

61ST CONGRESS : : 3D SESSION

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J66



ABSTRACTS OF PROPOSALS  
FOR  
MATERIALS AND LABOR FOR  
ENGINEER DEPARTMENT  
1910

LETTER FROM THE ACTING SECRETARY OF WAR,  
TRANSMITTING ABSTRACTS OF PROPOSALS RE-  
CEIVED DURING THE FISCAL YEAR ENDING JUNE 30,  
1910, FOR MATERIALS AND LABOR IN CONNECTION  
WITH WORKS UNDER THE ENGINEER DEPARTMENT



DECEMBER 6, 1910.—Referred to the Committee on Rivers and Harbors  
and ordered to be printed



WASHINGTON  
GOVERNMENT PRINTING OFFICE  
1911

REPORT OF THE  
COMMISSIONER OF THE  
BUREAU OF LABOR  
AND INDUSTRY  
ON THE  
MATERIALS AND LABOR FOR  
ENGINEER-BEAM-TESTING

1910

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APR 25 1912



## LETTER OF TRANSMITTAL.

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WAR DEPARTMENT,  
*Washington, December 6, 1910.*

SIR: Pursuant to the provisions of section 230, Revised Statutes, I have the honor to transmit herewith abstracts of proposals received during the fiscal year ending June 30, 1910, for materials and labor in connection with works under the Engineer Department.

Very respectfully,

J. M. DICKINSON,  
*Secretary of War.*

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

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## LETTER OF SUBMITTAL.

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WAR DEPARTMENT,  
OFFICE OF THE CHIEF OF ENGINEERS,  
*Washington, December 3, 1910.*

SIR: Section 230 of the Revised Statutes provides that—

Whenever the Secretary of War invites proposals for any works, or for any materials or labor, he shall report to Congress, at its next session, all bids therefor, with the names of the bidders.

In pursuance thereof, I have the honor to submit herewith abstracts of proposals received during the fiscal year ending June 30, 1910, for materials and labor in connection with works under the Engineer Department.

Very respectfully,

W. H. BIXBY,  
*Chief of Engineers, U. S. Army.*

The SECRETARY OF WAR.

*ABSTRACT OF PROPOSALS RECEIVED IN THE VARIOUS ENGINEER DISTRICTS DURING THE FISCAL YEAR ENDED JUNE 30, 1910, IN CONNECTION WITH FORTIFICATION, RIVER AND HARBOR, AND OTHER IMPROVEMENTS UNDER THE DIRECTION OF THE CHIEF OF ENGINEERS, UNITED STATES ARMY.*

OFFICE CHIEF OF ENGINEERS.

[Officer: Lieut. Col. Edward Burr, Corps of Engineers.]

FORTIFICATIONS.

*Abstract of proposal received by Col. Frederic V. Abbot, Corps of Engineers, in response to advertisement dated December 2, 1909, and opened December 13, 1909, for parts and accessories for type C powder hoists.*

[Appropriations: Preservation and repair of fortifications (allotment of Feb. 13, 1909), and Gun and mortar batteries (various allotments).]

BIDDER: THE DETRICK & HARVEY MACHINE CO.

	Unit price.	Amount.
36 delivery tables.....each..	\$40.28	\$1,450.08
36 upper terminal hoods.....do...	21.28	766.08
36 upper terminal gratings.....do...	22.47	808.92
36 lower terminal covers and hinges.....do...	16.39	590.04
36 lower terminal hoods with hinge rings.....do...	22.78	820.08
36 guard plates, A.....do...	3.89	140.04
30 guard plates, B, 4-inch.....do...	10.93	327.90
6 guard plates, B, 2-inch.....do...	10.56	63.36
30 receiving tables No. 1, complete with all parts.....do...	160.00	4,800.00
6 receiving tables No. 2, complete with all parts.....do...	118.33	709.98
Total.....		10,476.48

Remarks: Length of time required for completion of contract increased to six months. Evidence of authority for officer signing proposal to bind corporation not furnished.

*Abstract of proposals received by Col. Frederic V. Abbot, Corps of Engineers, in response to advertisement dated December 2, 1909, opened December 13, 1909, for powder hoists and tubes therefor.*

[Appropriations: Preservation and repair of fortifications, and Gun and mortar batteries.]

Articles.	Amount of bid of—	
	Ellicott Machine Co. <sup>1</sup>	Detrick & Harvey Machine Co. <sup>2</sup>
Powder hoist, without tube.....each..	\$894.00	{ <sup>3</sup> \$1,611.00 <sup>4</sup> 1,586.00 <sup>2</sup> 29.35
Tube.....per foot..	11.80	

<sup>1</sup> Contract awarded.

<sup>2</sup> Paragraph 13 of specifications changed to require the United States to protect contractor in use of any design or device embodied in drawings on account of any patent covering the same.

<sup>3</sup> Based on contract for not less than 10 hoists.

<sup>4</sup> Based on contract for not less than 20 hoists.

*Abstract of proposals for furnishing and delivering powder hoists and carriers and chain therefor, received by Col. Frederic V. Abbot, Corps of Engineers, in response to circular letter dated January 29, 1910, and opened February 8, 1910.*

[Appropriation: Fortifications in insular possessions.]

BIDDER: THE ELLICOTT MACHINE CO., BALTIMORE, MD.<sup>1</sup>

	Unit price.	Amount.
6 hoists, 12-inch ammunition.....each..	\$811.00	\$4,866.00
48 carriers for 12-inch hoists.....do...	25.00	1,200.00
4 hoists, 10-inch ammunition.....do...	\$31.00	3,324.00
16 carriers for 10-inch hoists.....do...	34.00	544.00
658 feet chain for 10-inch and 12-inch hoists.....per foot..	1.29	848.82
Total.....		10,782.82

<sup>1</sup> Only bid received. Award was made to this company, and emergency contract entered into under date of February 12, 1910.

NOTE.—The quantity of chain above specified is approximate only.

### BOSTON (MASS.) DISTRICT.

[Officer: Col. Frederic V. Abbot, Corps of Engineers.

#### FORTIFICATIONS.

*Electric cable for Manila, P. I., opened August 20, 1909.*

No.	Names and addresses of bidders.	Price bid.
1	Standard Underground Cable Co., Pittsburg, Pa.....	\$14,971.95
2	General Electric Co., Schenectady, N. Y.....	15,087.13
3	The Safety Insulated Wire & Cable Co., 114 Liberty Street, New York City.....	1,802.50
4	American Steel & Wire Co., Worcester, Mass.....	1,895.25

Contract awarded to Standard Underground Cable Co.

Abstract of proposals for engines for central power station, Grande Island, P. I., received in response to advertisement dated August 30, 1909, and opened at United States engineer office, Boston, Mass., September 30, 1909.

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MATERIALS AND LABOR FOR ENGINEER DEPARTMENT.

	1. Erie City Iron Works, New York, N. Y.	2. Ball Engine Co., Philadelphia, Pa.		3. Ridgway Dynamo & Engine Co., Ridgway, Pa.	4. Trenton Engine Co., Trenton, N. J.	5. Buffalo Forge Co., Buffalo, N. Y.	6. A. D. Granger Co., New York, N. Y.	
		Proposition 1.	Proposition 2.				Proposition 1.	Proposition 2.
Price.....	\$4,890	\$7,477	\$6,707	\$4,966	\$7,400	\$5,900	\$5,889	\$4,789
Type of engine.....	Erie City inclosed tandem compound condensing.	Center crank..	Side crank..	Ridgway.....	Reeves horizontal tandem center crank compound.	Horizontal tandem compound.	Lycoming.....	Self-oiling.
Diameter of high-pressure cylinder.....	10 inches.....	9 inches.....	9 inches.....	9 inches.....	12 inches.....	11 inches.....	10 inches.....	11 inches.
Diameter of low-pressure cylinder.....	19 inches.....	16 inches.....	16 inches.....	18 inches.....	20 inches.....	20 inches.....	17 inches.....	19 inches.
Length of stroke.....	12 inches.....	14 inches.....	14 inches.....	14 inches.....	14 inches.....	14 inches.....	14 inches.....	12 inches.
Revolutions per minute.....	275	275	275	275	275	275	275	275
I. H. P. rating at above speed at 125 pounds boiler pressure.	115	125	125	125	120	155	152	163
Cut-off at above rating.....	22 per cent....	38 per cent....	38 per cent....	One-third.....	About one-third.	One-third horsepower.	One-fourth....	One-fourth.
Friction, I. H. P. ....	7	9	9	8	6	14	15	16
Type of valves.....	Flat balanced.	Flat balanced.	Flat balanced.	Flat balanced.	Adjustable piston.	Piston.....	Round piston.	Round piston.
Diameter of steam pipe.....	3½ inches.....	3 inches.....	3 inches.....	3½ inches.....	4½ inches.....	4 inches.....	3½ inches.....	3½ inches.
Diameter of exhaust pipe.....	8 inches.....	8 inches.....	8 inches.....	8 inches.....	9 inches.....	7 inches.....	6 inches.....	7 inches.
Diameter of fly wheel.....	54 inches.....	66 inches.....	60 inches.....	58 inches.....	72 inches.....	54 inches.....	54 inches.....	52 inches.
Face of fly wheel.....	12½ inches.....	13 inches.....	12½ inches.....	12½ inches.....	14½ inches.....	15 inches.....	13½ inches.....	12½ inches.
Diameter and length of main bearings.....	4½ x 11 inches.....	5 x 12 inches.....	6½ x 12 inches.....	5½ x 11 inches.....	6½ x 11½ inches.....	6 x 13 inches.....	6 x 10 inches.....	5 x 9 inches.
Diameter and length of outboard bearings.....	5½ x 4 inches.....	4 x 6 inches.....	5½ x 10 inches.....	5 x 12 inches.....	4½ x 12 inches.....	4 x 12 inches.....	5 x 10½ inches.....	4 x 9 inches.
Diameter and length of crank pin.....	3½ x 4 inches.....	5½ x 5½ inches.....	4½ x 3½ inches.....	5½ x 5½ inches.....	6½ x 6½ inches.....	6 x 6 inches.....	6 x 5½ inches.....	5 x 5 inches.
Diameter and length of crosshead pin.....	13 x 3 inches.....	3 x 4 inches.....	3 x 3½ inches.....	3 x 4 inches.....	4 x 6½ inches.....	4 x 4 inches.....	3½ x 4 inches.....	3 x 3½ inches.
Diameter of connecting rod.....	2½ inches.....	1 x 4½ inches.....	1 x 3½ inches.....	16½ x 23½ inches.....	2½ x 38 inches.....	2½ x 2½ inches.....	5½ x 7 inches.....	4½ x 5.8 inches.
Diameter of piston rod.....	7 x 13 inches.....	2 inches.....	2½ inches.....	*2 x 42½ inches.....	23 inches.....	23 inches.....	2½ inches.....	2½ inches.
Size of crosshead shoes, each.....	7 x 13 inches.....	100 s. i.....	68½ s. i.....	98 s. i.....	94 x 12½ inches.....	11 x 6½ inches.....	6 x 11 inches.....	5½ x 11 inches.
Area of crosshead shoes, each.....	7 x 13 inches.....	100 s. i.....	68½ s. i.....	98 s. i.....	115.62 s. i.....	68½ s. i.....	66 s. i.....	61 s. i.
Diameter of armature shaft.....	To suit generator.	5½ inches.....	7½ inches.....	5½ inches.....	Standard.....	To suit generator.	6 inches.....	5½ inches.
Material of crank shaft.....	Steel.....	Forged open-hearth steel.....		Open-hearth steel, 30-40 point.	Open-hearth steel, 30-pt. carbon.	Open-hearth forged steel.	Open-hearth steel.	Open-hearth steel.
Material of connecting rod.....	do.....	do.....		do.....	do.....	do.....	do.....	Do.
Material of piston rod.....	do.....	do.....		do.....	Nickel steel.	Machine steel.	Spindle steel.	Spindle steel.
Material of crosshead shoes.....	Cast iron.....	Cast iron faced with genuine babbit.		Hard genuine babbit.	Bronze.....	Bronze.....	Gray iron, genuine babbit.	

Material of crank-pin boxes.....	Cast iron bab- bitted.	Cast iron lined with genuine babbitt.	.....do.....	Cast steel; lined bab- bitt.	.....do.....	Do.	
Material of crosshead.....	Cast steel.....	Cast steel.....	Semisteel.....	Cast steel.....	Cast steel.....	Crucible steel.	
Make of cylinder lubricator.....	Detroit.....	Detroit.....	Hills McCanna	Detroit.....	Detroit.....	Detroit, or other.	
Net weight of fly wheel.....	2,000 pounds..	1,838 pounds..	2,300 pounds..	3,500 pounds..	2,850 pounds..	2,500 pounds..	2,000 pounds.
Net weight of heaviest part (named).....	2,750 pounds, bed.	Frame, 3,300 pounds.	Bed, 3,400 pounds.	3,700 pounds..	8,000 pounds frame.	3,550 pounds..	2,550 pounds.
Total net weight with extension bedplate and outboard pedestal.	19,000 pounds.	18,000 pounds.....	23,000 pounds.	27,000 pounds.	21,400 pounds.	18,900 pounds.	14,600 pounds.
Weight of dry steam per I. H. P. hour, at 125 I. H. P. load.	19 pounds.....	21½ pounds.....	23½ pounds....	181 pounds, 24 pounds vac- uum.	21 pounds.....	20 pounds.....	20 pounds.
Weight of dry steam per I. H. P. hour, at 62.5 I. H. P. load.	21 pounds.....	23 pounds .....	28.1 pounds...	20½ pounds....	25 pounds.....	22 pounds.....	22 pounds.

<sup>1</sup> Maximum.<sup>2</sup> Minimum.<sup>3</sup> High pressure.<sup>4</sup> Low pressure.

Contract awarded Ridgway Dynamo &amp; Engine Co.



*Abstract of proposals for boilers for central power station, Grande Island, P. I., received in response to advertisement dated August 30, 1909, and opened at United States engineer office, Boston, Mass., September 30, 1909.*

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	(1) The Casey Hedges Co., Chattanooga, Tenn.	(2) Mosher Water Tube Boiler Co., New York City.	(3) Oil City Boiler Works, New York City.	(4) E. Keeler Co., Williamsport, Pa.	(5) A. D. Granger Co., Williamsport, Pa.	(6) Badenhauser & Hull, Seattle, Wash.	(7) Murray Iron Works Co., Burlington, Iowa.	(8) Heine Safety Boiler Co., New York City.	(9, 10, 11) The Babcock & Wilcox Co., Boston, Mass.		
									Proposition 1.	Proposition 2.	Proposition 3.
Price.....	\$5,290.....	\$3,600.....	\$6,242.....	\$4,470.....	\$5,788.....	\$6,150.....	\$5,700.....	\$5,496.....	\$5,785.....	\$5,315.....	\$4,525.....
Type of boiler.....	Horizontal inclined water tube.	Semihorizontal.	Geary.....	Keeler water tube.	Steel header.	Badenhauser curved tube.	Murray horizontal.	Heine.....	Longitudinal drum.	Cross drum.	Sterling.
Manufacturers' horsepower rating.....	152.....	150.....	159.....	152.....	160.....	150.....	150.....	153.....	153.....	157.....	150.....
Total heating surface in square feet.....	1,526.....	1,502.....	1,593.....	1,522.....	1,600.....	1,500.....	1,541.....	1,527.....	1,532.....	1,573.....	1,469.....
Tube heating surface in square feet.....	1,420.....	1,470.....	1,452.....	1,395.....	1,452.....	1,450.....	1,418.....	1,408.....	1,406.....	1,486.....	1,370.....
Grate surface.....	41.....	33.25.....	39.....	38.50.....	39.....	39.....	39.....	39.....	39.....	39.....	39.6.....
Depth of grate.....	7 feet.....	7 feet.....	6 feet.....	7 feet.....	6 feet 6 inches.....	6 feet.....	6 feet 6 inches.....	7 feet.....	7 feet.....	7 feet.....	7 feet.....
Width of grate.....	70 inches.....	4 feet 9 inches.....	6 feet 6 inches.....	5 feet 6 inches.....	6 feet.....	do.....	6 feet.....	5 feet 7 inches.....	5 feet 7 inches.....	5 feet 7 inches.....	5 feet 8 inches.....
Number of tubes vertically.....	9.....	10 rows.....	8.....	7.....	7.....	.....	9.....	5 horizontal rows of 10.	8.....	8.....	13 per second.
Number of tubes horizontally.....	10 and 9.....	12 rows.....	4 rows of 12, 4 rows of 13.	4 rows of 11, 3 rows of 10.	11.....	.....	10 and 9.....	4 horizontal rows of 9.	9.....	9.....	11.....
Total number of tubes.....	86.....	120.....	100 each.....	74.....	77.....	171.....	86.....	86.....	72.....	72.....	142.....
Diameter of tubes.....	3½ inches.....	3 inches No. 12 B.W.G. thick.	4 inches.....	4 inches.....	4 inches.....	3½ inches.....	3½ inches outside diameter.	3½ inches.....	4 inches.....	4 inches.....	3½ inches.....
Length of tubes.....	18 feet.....	15 feet 8 inches. <sup>1</sup>	14 feet.....	18 feet.....	18 feet.....	Varies.....	17 feet 11½ inches.	18 feet.....	18 feet.....	18 feet.....	12 feet 9 inches. <sup>1</sup>
Material of tubes.....	Charcoal iron.	Charcoal iron.	Charcoal iron.	Charcoal iron.	Charcoal iron.	Charcoal iron.	Charcoal iron.	Charcoal iron.	Charcoal iron.	Charcoal iron.	Charcoal iron.
Material of headers.....	Steel, open hearth.	.....	Steel.....	Flange steel.	Homogeneous open hearth flange steel.	No headers.	Flange steel.	Steel, plate, open hearth.	Wrought steel.	Wrought steel.	None.
Headers, inclined or vertical.....	Inclined.....	.....	Inclined.....	Inclined.....	Inclined.....	.....	Vertical.....	Inclined.....	Inclined.....	Inclined.....	Do.

MATERIALS AND LABOR FOR ENGINEER DEPARTMENT.

Material of handhole and manhole plates and clamps.	Steel.....	Steel bolts, copper gaskets.	Forged steel.	Steel, with cast iron or steel yokes for handholes.	Pressed steel.	Pressed steel.	Plated flange steel crabs or clamps, cast iron.	Steel forgings.	Forged steel.	Forged steel.	Forged steel.
Diameter of steam drum.....	42 inches..	48 inches..	42 inches..	42 inches..	46 inches..	36 inches..	42 inches, inside diameter.	42 inches..	42 inches..	42 inches..	36 inches each.
Length of steam drum, including heads...	22 feet....	6 feet 7½ inches.	18 feet 8 inches.	22 feet 6 inches.	20 inches..	9 feet 3 inches.	21 feet 9½ inches.	21 feet 10 inches.	24 feet 6 inches.	7 feet 9 inches.	9 feet 2½ inches.
Thickness of drum plates.....	⅞ inch....	Shell, ⅞ inch; tube, 1½ inches.	⅞ inch....	⅞ inch....	⅞ inch....	⅞ inch and ⅝ inch.	½ inch....	⅞ inch....	½ inch....	½ inch....	⅞ inch.
Thickness of header plates (if of plate steel)	½ inch....	.....	½ inch....	½ inch....	½ inch....	.....	½ inch....	½ inch....	None.....	None.....	None.
Character of staybolts (hollow or solid)...	Seamless hollow steel.	.....	Hollow....	Solid.....	Hollow....	None.....	Hollow....	Hollow....	.....do.....	.....do.....	Do.
Make and type of water column.....	Reliance..	Mosher column, Reliance fittings.	Reliance..	Reliance..	Reliance or other.	Reliance..	Wright or Reliance.	Reliance..	Reliance..	Reliance..	Reliance.
Make and type of steam gauge.....	Mars illuminated.	Ashcroft..	Ashcroft..	12-inch Crosby.	Ashcroft or other.	As desired	American Lanes.	Ashton....	Ashcroft..	Ashcroft..	Ashcroft.
Type of grate.....	C-H shaking grate.	Cast iron..	Herringbone.	Tupper...	Herringbone stationary.	.....do.....	Murray rocking.	Flat herringbone.	Flat herringbone.	Flat herringbone.	Flat herringbone.
Size of steam nozzle.....	5 inches... 5 inches...	5 inches... 5 inches...	5 inches... 5 inches...	6 inches... 6 inches...	As desired	5 inches... 5 inches...	6 inches... 5 inches and 2 inches.	5 inches... 5 inches...	5 inches... 5 inches...	5 inches... 5 inches...	5 inches.
Size of safety valves.....	Two 3-inch	Two 3-inch	3-inch....	Two 3-inch	3½-inch....	2½-inch....	3-inch....	Two 3-inch	Two 3-inch	Two 3-inch	Two 3-inch
Make of safety valves.....	Am. S. G. & S. V. Co.	Consolidated.	Consolidated.	Consolidated.	Utica or other.	As desired.	American, Crane, or Crosby.	Ashton....	Consolidated.	Consolidated.	Crane.
Method of baffling.....	Horizontal.	Vertical or cross.	Vertical...	Vertical...	Vertical or horizontal.	For parallel flow of gas with tubes.	Horizontal.	Parallel to tubes.	Cross.....	Cross.....	Parallel.
Height and width of largest piece of boiler.	7 x 10 feet..	6 feet 8 inches x 4 feet 2 inches.	10 feet 4 inches x 7 feet 3½ inches.	10 feet 2 inches x 6 feet 2 inches.	46 inches x 20 feet.	40 inches x 9 feet 3 inches.	105 x 77½ inches.	7 feet 7 inches x 6 feet 2 inches.	24 feet 6 inches x 42 inches	7 feet 9 inches x 42 inches	9 feet 2½ inches x 36 inches

1 Average.

*Abstract of proposals for boilers for central power station, Grande Island, P. I., received in response to advertisement dated August 30, 1909, and opened at United States engineer office, Boston, Mass., September 30, 1909—Continued.*

	(1) The Casey Hedges Co., Chattanooga, Tenn.	(2) Mosher Water Tube Boiler Co., New York City.	(3) Oil City Boiler Works, New York City.	(4) E. Keeler Co., Williamsport, Pa.	(5) A. D. Granger Co., Williamsport, Pa.	(6) Badenhauser & Hull, Seattle, Wash.	(7) Murray Iron Works Co., Burlington, Iowa.	(8) Heine Safety Boiler Co., New York City.	(9 10 11) The Babcock & Wilcox Co., Boston, Mass.		
									Proposition 1.	Proposition 2.	Proposition 3.
Total shipping weight.....	34,500 pounds.	20,000 pounds.	37,000 pounds.	38,500 pounds.	30,000 pounds.	28,000 pounds.	120,000 pounds.	3 x 34,000 = 102,000 pounds.	103,000 pounds.	92,700 pounds.	111,000 pounds.
Weight of largest piece.....	21,000 pounds.	15,000 pounds.	25,150 pounds.	19,000 pounds.	7,000 pounds.	3,000 pounds.	23,000 pounds.	18,800 pounds.	8,250 pounds.	3,100 pounds.	3,573 pounds.
Number of fire brick for three boilers.....	10,800.....	11,800.....	15,100.....	9,000.....	9,175.....	7,500.....	8,100.....	9,850.....	14,850.....	9,450.....	14,600.....
Make of fire brick.....	Kentucky Fire Brick Co.	Mauer's Perth Amboy or Brooklyn No. 1.						Any.....	No. 1 best quality.	No. 1 best quality.	3,800 No. 1 10,800 No. 2.
Number of red brick for two boilers, set in battery.....	17,000.....	23,800.....	27,100.....	29,000.....	19,250.....	20,000.....	18,500.....	28,000.....	32,050.....	23,150.....	24,671.
Number of red brick for one boiler, set singly.....	11,500.....	12,000.....	16,400.....	17,000.....	11,325.....	13,000.....	12,500.....	16,000.....	20,975.....	14,400.....	14,866.
Place of manufacture.....	Chattanooga, Tenn.	Ossining, N. Y.	Oil City, Pa.	Williamsport, Pa.	Harrisburg, Pa.	Seattle, Wash.	Burlington, Iowa.	Phoenixville, Pa.	Bayonne, N. J.	Bayonne, N. J.	Barberton, Ohio.

Contract awarded to E. Keeler Co.

*Abstract of proposals for generators for central power station Grande Island, P. I., received in response to advertisement dated August 30, 1909, and opened at United States engineer office, Boston, Mass., September 30, 1909.*

	(1) Fort Wayne Electric Co., Fort Wayne, Ind.		(2) Burke Electric Co., Erie, Pa.	(3) Westinghouse Electric & Manufacturing Co., Boston, Mass.	(4) Sprague Electric Co., New York, N. Y.	(5) General Electric Co., Boston, Mass.		(6) Ridgway Dynamo & Engine Co., Ridgway, Pa.	(7) Western Electric Co., Boston, Mass.	(8) Allis-Chalmers Co., Milwaukee, Wis.	
	Proposition No. 1.	Proposition No. 2.				Proposition No. 1.	Proposition No. 2.			Proposition No. 1.	Proposition No. 2.
Price.....	\$3,036.....	\$3,330.....	\$3,396.....	\$3,085.....	\$3,100.....	\$3,960.....	\$3,474.....	\$3,111.....	\$3,250.....	\$3,100.....	\$3,620.....
Catalogue number of machine.....			B-50.....		S-75.....	M. P. 6-75-275, form L.	M. P. 6-75-275, form R.B.		Type LL-54-E	15251.....	15101.
Poles.....	6.....	6.....	6.....	6.....	6.....	6.....	6.....	10.....	6.....	6.....	6.....
Kilowatts.....	75.....	75.....	75.....	75.....	75.....	75.....	75.....	75.....	75.....	75.....	75.....
Speed.....	275.....	275.....	275.....	275.....	275.....	275.....	275.....	275.....	275.....	275.....	275.....
Diameter of armature.....	27 inches..	26 inches..	26½ inches..	28 inches..	26 inches..	31½ inches..	24 inches..	26 inches..	24 inches..	25 inches..	31 inches..
Length of armature under pole pieces.....	8 inches..	11 inches..	9½ inches..	7 inches..	10 inches..	8 inches..	12½ inches..	8½ inches..	12 inches..	7½ inches..	7 inches..
Diameter of commutator.....	20 inches..	19½ inches..	18 inches..	19 inches..	19 inches..	23½ inches..	18 inches..	16½ inches..	18 inches..	19 inches..	21 inches..
Number of commutator bars.....	100.....	97.....	228.....	104.....	252.....	110.....	97.....	124.....	97.....	110.....	212.....
Number of brushes per stud.....	4.....	4.....	9.....	6.....	4.....	6.....	6.....	3.....	5.....	5.....	6.....
Number of studs.....	6.....	6.....	6.....	6.....	6.....	6.....	6.....	10.....	6.....	6.....	6.....
Size of brushes.....	1 x 1½.....	1½ x 1½.....	¾ x ¾ x 2.....	¾ x 1½.....	¾ x 2.....	1½ x 1½.....	1½ x ¾.....	1 x 2.....	1½ x ¾.....	¾ x 1½ x 2.....	1½ x ¾ x 2.....
Material of pole pieces.....	Sheet steel	Sheet steel	Wrought iron, laminated steel faces.	Laminated steel.	Laminated sheet steel.	Laminated steel.	Laminated steel.	Laminated steel.	Laminated sheet steel.	Laminated steel.	Laminated steel.
Diameter of shaft in armature.....	7½ inches..	5½ to 7½ inches.	Side crank, 7½ inches; center crank, 5½ inches.	5½ to 7½ inches.	5½ to 7½ inches.	5½ to 7½ inches.	5½ to 7½ inches.	5½ inches..	5½ to 7½ inches.	5½ inches..	5½ or 7½ inches.
Type of rheostat.....	Dial type, resistance, imbedded in special cement.		Cutler-Hammer, Bulletin No. 32.	Westinghouse car type.	Sprague, Cutler-Hammer or other approved.	General Electric Co.	General Electric Co.	Cutler-Hammer.	"Rear of board."	Cutler-Hammer, Bulletin No. 32.	Cutler-Hammer, Bulletin No. 32.
Hours of continuous 25 per cent overload, following 8 hours' normal full load, without rise of temperature of windings and commutator exceeding 55° C.	2.....	3.....	2.....	2¹.....	2.....	3.....	2.....	2.....	2.....	2.....	3.....

¹ Probably 3.

Abstract of proposals for generators for central power station Grande Island, P. I., received in response to advertisement dated August 30, 1909, and opened at United States engineer office, Boston, Mass., September 30, 1909—Continued.

	(1) Fort Wayne Electric Co., Fort Wayne, Ind.		(2) Burke Electric Co., Erie, Pa.	(3) Westinghouse Electric & Manufacturing Co., Boston, Mass.	(4) Sprague Electric Co., New York, N. Y.	(5) General Electric Co., Boston, Mass.		(6) Ridgway Dynamo & Engine Co., Ridgway, Pa.	(7) Western Electric Co., Boston, Mass.	(8) Allis-Chalmers Co., Milwaukee, Wis.	
	Proposition No. 1.	Proposition No. 2.				Proposition No. 1.	Proposition No. 2.			Proposition No. 1.	Proposition No. 2.
Hours of continuous 50 per cent overload, following 8 hours' normal full load, without rise of temperature of windings and commutator exceeding 55° C.	1.....	1.....	1.....	1.....	1.....	2.....	½.....	¾.....	2.....	½.....	1.
Efficiency at full load.....	91 per cent.	91 per cent.	91 per cent.	90 per cent.	90 per cent.	90½ per cent.	90 per cent.	91 per cent.	90.5 per cent.	89.1 per cent.	89.2 per cent.
Efficiency at three-quarter load.....	...do.....	...do.....	90 per cent.	...do.....	...do.....	...do.....	...do.....	90½ per cent.	90½ per cent.	88.3 per cent.	89.5 per cent.
Efficiency at one-half load.....	89.5 per cent.	89.5 per cent.	88.5 per cent.	88.5 per cent.	88.5 per cent.	89 per cent.	88.5 per cent.	89.5 per cent.	89 per cent.	87 per cent.	88.9 per cent.
Weight of armature without shaft.....	2,050 lbs. 1.	2,000 lbs. 1.	2,000 lbs. 1.	1,800 lbs. 1.	1,700 lbs. 1.	2,625 lbs...	1,900 lbs...	2,400 lbs...	1,900 lbs...	1,500 lbs...	2,000 lbs.
Weight of machine, complete, without shaft.	7,400 lbs...	9,650 lbs...	7,300 lbs...	7,000 lbs...	5,100 lbs...	8,700 lbs...	5,500 lbs...	5,000 lbs...	5,500 lbs...	6,600 lbs...	10,400 lbs.
Place of manufacture.....	Madison, Wis.	Fort Wayne, Ind.	Erie, Pa...	East Pittsburgh, Pa., New York, or Chicago.	Bloomfield, N.J.	Schenectady, N. Y....		Ridgway, Pa.	Hawthorne, Ill.	East Norwood, Ohio.	East Norwood, Ohio.

<sup>1</sup> Approximate.

Contract awarded Ridgway Dynamo & Engine Co.

*Motor generator sets, motors, centrifugal pumps, transformers, and lightning arresters, opened October 30, 1909.*

Item.	Article.	(1) West- inghouse Electric & Manu- facturing Co.	(2) Fort Wayne Electric Works.	(3) Wagner Electric Manufac- turing Co.	(4) General Electric Co.	(5) Mont- gomery & Co.
1	Two 50-kilowatt generator sets.....	\$2,362.56	\$2,446.00	\$2,559.00	\$2,805.00	.....
2	Two 35-kilowatt generator sets.....	1,865.30	1,866.00	2,118.26	2,340.00	.....
3	One 25-kilowatt generator set.....	847.15	758.00	936.88	1,055.00	.....
4	One 20-horsepower motor.....	271.02	268.00	295.45	275.00	.....
5	Two centrifugal pumps.....	1,575.00	1,726.00	1,562.58	1,340.00	.....
6	Six 25-kilowatt transformers.....	1,157.10	1,116.00	1,164.50	1,095.00	\$902.88
7	Six 15-kilowatt transformers.....	779.55	755.00	882.60	745.00	548.00
8	Three 10-kilowatt transformers.....	280.00	274.00	270.80	270.00	225.72
9	Six 7½-kilowatt transformers.....	457.10	445.00	441.40	440.00	383.70
10	Six 4-kilowatt transformers.....	288.45	281.00	297.08	280.00	237.00
11	Twelve lightning arresters.....	353.00	322.00	439.00	338.00	.....
	Total.....	10,236.23	10,257.00	10,967.55	10,983.00	2,297.30

Contract awarded Westinghouse Electric & Manufacturing Co.

#### RIVER AND HARBOR WORKS.

*Riprap stone in dike on Long Beach, Plymouth Harbor, Mass., opened September 14, 1909*

No.	Names and addresses of bidders.	Price bid (per ton of 2,000 lbs.)
1	Rowe Bros. Co., Richmond, Me.....	\$2.97
2	Philip H. Doyen, South Portland, Me.....	3.00
3	John Cashman & Sons Co., Quincy, Mass.....	3.06

Contract awarded Rowe Bros. Co.

*Dredging in Malden River, Mass., opened September 27, 1909.*

No.	Names and addresses of bidders.	Price bid per cubic yard.	
		For dredg- ing, scow measure- ment.	Removing bowlders weighing 3 tons or more each.
1	Eastern Dredging Co., Boston, Mass.....	<i>Cents.</i> 31.70	\$6.00
2	John R. Burke, Wollaston, Mass.....	47.25	5.00
3	Bay State Dredging Co., Boston, Mass.....	44.50	10.00

Contract awarded Eastern Dredging Co.

*Two survey scows, opened February 28, 1910.*

No.	Names and addresses of bidders.	Price bid.
1	S. W. K. Brooks, East Boston, Mass.....	\$2,698.00
2	Richard T. Green Co., Chelsea, Mass.....	2,986.00
3	Louis Cote, Winthrop, Mass.....	3,080.00

Contract awarded to S. W. K. Brooks.



*Dredging in Weymouth Back River, Mass., opened June 28, 1910.*

No.	Names and addresses of bidders.	Price bid per cubic yard.	
		For dredging, scow measurement.	Removing bowlders weighing 3 tons or more each.
		<i>Cents.</i>	
1	Bay State Dredging Co., 185 Summer St., Boston, Mass. ....	39	\$8.00
2	Eastern Dredging Co., 247 Atlantic Ave., Boston, Mass. ....	70	6.00
3	John H. Letteney, 101 Tremont St., Boston, Mass. ....	49	10.00

Contract awarded Bay State Dredging Co.

*Riprap stone in dike on Long Beach, Plymouth Harbor, Mass., opened June 6, 1910.*

No.	Names and addresses of bidders.	Price bid per ton of 2,000 pounds.
1	Thomas Fitzgibbons, Beverly, Mass. ....	\$2.94
2	Lawler Bros., Charlestown, Mass. ....	3.44
3	Rowe Bros. Co., Richmond, Me. ....	3.97
4	The Breakwater Co., Philadelphia, Pa. ....	2.43

Contract awarded to The Breakwater Co.

## WRECKS.

*Removing wrecks in Narrows of Lake Champlain, N. Y. and Vt., and Port Henry Harbor, N. Y., opened March 14, 1910.*

No.	Names and addresses of bidders.	Price bid.
1	Jno. B. Whealton, jr., Norfolk, Va. ....	\$3,825.00
2	James E. Cashman, Burlington, Vt. ....	3,950.00
3	Johnston & Virden, Lewes, Del. ....	5,350.00
4	Nathaniel E. Gordon, South Portland, Me. ....	5,685.00
5	Lewis W. Blix, Brooklyn, N. Y. ....	5,750.00
6	Daly & Hannan Dredging Co., Ogdensburg, N. Y. ....	6,000.00
7	John F. Baxter, New York, N. Y. ....	9,670.00
8	Merritt & Chapman Derriek & Wrecking Co., New York, N. Y. ....	10,483.00
9	Jesse A. Gray, Philadelphia, Pa. ....	11,500.00

Contract awarded to James E. Cashman.

*Removing wreck of schooner "Louise C. Cabral," Provincetown Harbor, Mass., opened April 29, 1910.*

No.	Names and addresses of bidders.	Price bid.
1	The Frederick Wallace Submarine Diving & Wrecking Co., Boston, Mass. ....	\$400.00
2	Betts Bros. & Co., East Boston, Mass. ....	347.00
3	Pigeon Hill Granite Co., Rockport, Mass. ....	800.00
4	John Cashman & Sons Co., Quincy, Mass. ....	357.00
5	Jesse A. Gray, Philadelphia, Pa. ....	2,240.00
6	Johnston & Virden, Lewes, Del. ....	945.00
7	United States Drainage & Irrigation Co., New York, N. Y. ....	1,647.00
8	The T. A. Scott Co. (Inc.), New London, Conn. ....	500.00
9	Nathaniel E. Gordon, South Portland, Me. ....	720.00
10	Lewis W. Blix, Brooklyn, N. Y. ....	930.00

Contract awarded Betts Bros. &amp; Co.



*Removing wreck of barge "City of Montreal" in Plymouth Harbor, Mass., opened May 21, 1910.*

No.	Names and addresses of bidders.	Price bid.
1	Nathaniel E. Gordon, South Portland, Me.....	\$4,625.00
2	Alfred Sorensen, Boston, Mass.....	9,400.00
3	Lewis W. Blix, Brooklyn, N. Y.....	4,190.00
4	Merritt & Chapman Derrick & Wrecking Co., New York, N. Y.....	6,874.00
5	E. S. Belden & Sons, Hartford, Conn.....	8,500.00
6	The Thames Tow Boat Co., New London, Conn.....	4,299.00
7	John Cashman & Sons Co., West Quincy, Mass.....	4,700.00
8	The Breakwater Co., Philadelphia, Pa.....	9,600.00
9	P. H. Doyen Co., Portland, Me.....	4,350.00
10	Thomas Fitzgibbon, Beverly, Mass.....	4,500.00
11	Betts Bros. & Co., East Boston, Mass.....	4,740.00
12	Johnston & Virden, Lewes, Del.....	5,695.00

Contract awarded to Lewis W. Blix.

### NEWPORT (R. I.) DISTRICT.

[Officer: Lieut. Col. J. C. Sanford, Corps of Engineers.]

#### RIVERS AND HARBORS.

*For furnishing and delivering one pattern for drag, with two cast-steel drags made therefrom, for the U. S. dredge Gedney, opened August 30, 1909.*

No.	Names and addresses of bidders.	Amount bid for pattern.	Amount bid for drags.
1	Penn Steel Casting & Machine Co., Chester, Pa.....	<sup>2</sup> \$756.75	.....
2	Baldt Steel Co., New Castle, Del.....	206.00	\$961.00

<sup>1</sup> Contract awarded to the Penn Steel Casting & Machine Co.

<sup>2</sup> For all.

*For furnishing and delivering stone and for hire of lighter for replacing stone, for repairing breakwater at Point Judith, R. I., opened September 15, 1910.*

No.	Names and addresses of bidders.	Rate per ton for stone.	Rate per day for lighter.
1	The T. A. Scott Co. (Inc.), New London, Conn.....	.....	\$65.00
2	The Breakwater Co., 1222 Arcade Building, Philadelphia, Pa.....	\$2.45	200.00
3	E. S. Belden & Sons, Hartford, Conn.....	1.97	75.00

<sup>1</sup> Contract for lighter awarded to The T. A. Scott Co. (Inc.).

<sup>2</sup> Contract for stone awarded to E. S. Belden & Sons.

*For furnishing boat and accessories for wrecking purposes in the Newport (R. I.) district, opened February 1, 1910.*

No.	Names and addresses of bidders.	Rate per day (number of days unknown).
1	George W. Crowell, Chatham, Mass.....	\$20.00
2	Samuel Ross, 602 Cottage St., New Bedford, Mass.....	18.00

<sup>1</sup> Contract awarded to George W. Crowell, the boat which he proposed to furnish being more suitable for the work.

*For furnishing 200 tons of riprap stone and placing same in breakwater at Point Judith Harbor of Refuge, R. I., opened February 16, 1910.*

No.	Names and addresses of bidders.	Rate per ton.
<sup>1</sup> 1	E. S. Belden & Sons, Hartford, Conn.....	\$2.23
2	The T. A. Scott Co. (Inc.), New London, Conn.....	2.45

<sup>1</sup> Contract awarded to E. S. Belden & Sons, Hartford, Conn.

*For furnishing and placing 1,500 tons stone and for furnishing lighter for repairing breakwater at Sakonnet Harbor, R. I., opened June 23, 1910.*

No.	Names and addresses of bidders.	Furnishing and placing stone (per ton of 2,000 pounds).	Furnishing lighter.	Total.
1	J. C. Terry, Fall River, Mass.....	\$4.00	\$5 per hour.....	\$6,600.00
<sup>1</sup> 2	E. S. Belden & Sons, Hartford, Conn.....	1.63	\$6 per hour.....	3,165.00
3	The Breakwater Co., Philadelphia, Pa.....	2.43	\$50 per day of 8 hours.	4,395.00
4	United States Drainage & Irrigation Co., New York, N. Y.	3.77	\$7 per hour.....	6,495.00
5	The Estate of John Beattie, Leetes Island, Conn.....	1.65	\$7 per hour.....	3,315.00

<sup>1</sup> Award of contract to E. S. Belden & Sons recommended.

#### NEW LONDON (CONN.) DISTRICT.

[Officer, Lieut. Col. Harry Taylor, Corps of Engineers.]

#### FORTIFICATIONS.

*Abstract of proposals for furnishing insulated cables, received in response to advertisement dated January 5, 1910, and opened February 5, 1910, by Lieut. Col. Harry Taylor, Corps of Engineers.*

[Appropriations, searchlights for harbor defenses (act of May 27, 1908) and fortifications in insular possessions, for searchlights, Hawaiian Islands (act of May 27, 1908).]

No.	Names of bidders.	Prices per foot for cables.					Aggregate cost of lot.
		Type A.		Type C.			
		24,540 feet sheathed.	13,560 feet armored.	1,000 feet braided.	30,735 feet sheathed.	25,755 feet armored.	
1	Habershaw Wire Co.....	\$0.415					
2	Hazard Manufacturing Co.....	.465	\$0.63	\$0.184	\$0.25	\$0.358	\$37,041.94
3	Safety Insulated Wire & Cable Co.....	.417	.591	.176	.238	.359	34,984.12
4	Western Electric Co.....	.475		.15	.225		
5	Standard Underground Cable Co.....	.387	.534	.14	.204	.312	131,183.52
6	Simplex Electric Co.....	.409	.525	.165	.223	.304	32,004.28
7	Montgomery & Co.....	.489		.195	.269		
8	Kerite Insulated Wire & Cable Co.....	.51	.76	.215	.32	.51	46,006.25
9	General Electric Co.....	.415	.565	.155	.215	.315	32,721.34
10	American Steel & Wire Co.....	.4475	.59	.2475	.29	.42	39,508.34
11	The Diamond Rubber Co. of New York.....	.471		.187	.258		
12	Waterbury Co.....	.496	.663	.208	.274	.386	39,568.58

<sup>1</sup> Accepted.

## RIVERS AND HARBORS.

*Abstract of proposals for dredging in Connecticut River, Conn., below Hartford, Conn., received in response to public notice dated April 22, 1910, and opened May 3, 1910, by Lieut. Col. Harry Taylor, Corps of Engineers.*

[Appropriation for emergencies in river and harbor works (act of March 3, 1909) for Connecticut River, Conn.]

No.	Names of bidders.	Price per cubic yard for dredging 80,000 cubic yards. (Estimated.)
1	The Hartford & New York Transportation Co.....	<sup>1</sup> \$0.11

<sup>1</sup> Accepted.

## NEW YORK (N. Y.) FIRST DISTRICT.

[Officer: Col. W. M. Black, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for furnishing and delivering one motor launch received in response to an advertisement dated January 28, 1910, and opened February 14, 1910, at New York, N. Y., by Col. W. M. Black, Corps of Engineers.*

No.	Names and addresses of bidders.	Amount.	Allowance for U. S. S. Impatient.	Time of delivery.
				Months.
1	Eastern Shipyard Co., Greenport, N. Y.....	\$14,995.00	\$1,500.00	3
2	Greenport Basin & Constructing Co., Greenport, N. Y.....	23,500.00	1,200.00	4½
3	Truscott Boat Manufacturing Co., St. Joseph, Mich.....	22,900.00	.....	4
4	John W. Sullivan Co., foot East Ninth Street, New York, N. Y.....	32,483.00	500.00	4½
5	Stamford Motor Co., Stamford, Conn.....	19,760.00	1,000.00	5

All of above rejected and informal agreement entered into with Eastern Shipyard Co. for furnishing the boat with certain modifications in the original specifications for the sum of \$15,463, less an allowance of \$1,500 for U. S. S. Impatient.

*Abstract of proposals for dredging and rock removal in Bronx River, N. Y., received in response to an advertisement dated July 29, 1909, and opened August 28, 1909, at New York, N. Y., by Col. W. M. Black, Corps of Engineers.*

No.	Names and addresses of bidders.	Per cubic yard prism measure in place for all material except broken rock, bowlders, and ledge rock.	Per cubic yard solid measure for broken rock and bowlders one-half to 3 cubic yards in size.	Per cubic yard solid measure for broken rock and bowlders over 3 cubic yards in size.	Per cubic yard prism measure in place for ledge rock.
1	International Contracting Co., 17 Battery Place, New York, N. Y.....	\$0.70	\$5.00	\$8.00	\$8.75
2	John & Joseph McSpirit, 118 Wayne Street, Jersey City, N. J.....	.90	12.00	12.00	12.00

Both above rejected and informal agreement entered into with Maritime Dredging Co., of 78 Broad Street, New York, N. Y., as follows: All material, except broken rock and bowlders one-half cubic yard in size or larger, and ledge rock, at 43 cents per cubic yard, scow measurement; broken rock and bowlders one-half to 2 cubic yards in size at \$6 per cubic yard, solid measurement; broken rock and bowlders over 2 cubic yards in size, and ledge rock, at \$11 per cubic yard, solid measurement for broken rock and bowlders and prism measurement in place for ledge rock.

*Abstract of proposals for repairing and extending jetties, constructing dike, and erecting channel marks at Mattituck Harbor, N. Y., received in response to an advertisement dated December 27, 1909, and opened January 27, 1910, at New York, N. Y., by Col. W. M. Black, Corps of Engineers.*

No.	Names and addresses of bidders.	Prices.					Time for completion of work.
		For stone, 50 to 500 pounds each.	For stone, 1,000 to 3,000 pounds each.	For dike construction, per linear foot.	For channel marks.	Total value on estimated basis.	
1	Maritime Dredging Co., 78 Broad St., New York, N. Y.	\$2.25	\$2.25	\$5.00	\$500.00	\$13,650.00	100 working days.
2	Estate of John Beattie, Ledge Island, Conn.	2.21	2.40	4.90	200.25	13,646.25	70 working days.
3	Thos. O'Connor, 633 Second St., Brooklyn, N. Y.	4.00	4.00	3.00	500.00	21,640.00	35 working days.
4	Romano V. Perini, 154 Bleecker St., New York, N. Y. <sup>1</sup>	2.09	2.09	4.00	300.00	12,270.00	90 working days.
5	G. & W. Manufacturing Co., 26 Cortlandt St., New York, N. Y.	2.43	2.43	3.90	325.00	13,957.00	120 working days.
6	The Breakwater Co., 1222 Arcade Building, Philadelphia, Pa.	2.50	2.50	5.00	400.00	14,800.00	90 working days.

<sup>1</sup> Accepted and contract entered into.

*Abstract of proposals for dredging in Patchogue River, Great South Bay, and Browns Creek, N. Y., received in response to an advertisement dated February 28, 1910, and opened March 29, 1910, at New York, N. Y., by Col. W. M. Black, Corps of Engineers.*

No bids received in response to above advertisement. Efforts are being made to find a party willing to undertake this work under informal agreement.

*Abstract of proposals for dredging in Newtown Creek and Wallabout Channel, N. Y., received and opened June 27, 1910, at New York, N. Y., by Col. W. M. Black, Corps of Engineers.*

PRICES, NEWTOWN CREEK.

	Names and addresses of bidders.	Material except broken rock and bowlders $\frac{1}{2}$ cubic yard or larger and ledge rock, per cubic yard.	Broken rock and bowlders $\frac{1}{2}$ to 3 cubic yards (25 cubic yards), per cubic yard.	Broken rock and bowlders over 3 cubic yards (10 cubic yards), per cubic yard.	Total to be expended.	Cost of rock removal.	Balance available for dredging.	Amount that can be dredged.
1	R. G. Packard Co., 130 Pearl St., New York....	\$0.23	<sup>1</sup> \$0.23	<sup>1</sup> \$0.23	\$9,000.00	\$8.05	\$8,991.95	<i>Cu. yds.</i> 39,095
2	William Beard & Co., 21 State St., New York....	.24	1.90	7.00	9,000.00	117.50	8,882.50	37,011
3	U. S. Dredging & Contracting Co., 260 Washington St., Jersey City, N. J.				9,000.00			
4	Howard Meadows Improvement Co., 30 Church St., New York..	.38	.60	6.00	9,000.00	75.00	8,925.00	23,487
5	Maritime Dredging Co., 78 Broad St., New York.	.38	2.75	7.00	9,000.00	138.75	8,861.25	23,319
6	Morris & Cummings Dredging Co., 17 State St., New York.....	.17 <sup>1</sup>	2.39	4.00	9,000.00	99.75	8,900.25	50,465

<sup>1</sup> Scow measurement.

*Abstract of proposals for dredging in Newtown Creek and Wallabout Channel, N. Y., received and opened June 27, 1910, at New York, N. Y., by Col. W. M. Black, Corps of Engineers—Continued.*

## PRICES, WALLABOUT CHANNEL.

	Names and addresses of bidders.	Material except broken rock and bowlders $\frac{1}{2}$ cubic yard or larger and ledge rock, per cubic yard.	Broken rock and bowlders $\frac{1}{2}$ to 3 cubic yards (25 cubic yards), per cubic yard.	Broken rock and bowlders over 3 cubic yards (10 cubic yards), per cubic yard.	Total to be dredged.	Cost of dredging.	Cost of rock removal.	Total cost.
1	R. G. Packard Co., 130 Pearl St., New York....	\$0.17 $\frac{1}{2}$	1\$0.17 $\frac{1}{2}$	1\$0.17 $\frac{1}{2}$	<i>Cu. yds.</i> 46,000	\$8,050.00	\$6.13	\$8,056.13
2	William Beard & Co., 21 State St., New York....	.19	1.90	7.00	46,000	8,740.00	117.50	8,857.50
3	U. S. Dredging & Contracting Co., 260 Washington St., Jersey City, N. J.....				46,000			
4	Howard Meadows Improvement Co., 30 Church St., New York...	.26	.60	6.00	46,000	11,960.00	75.00	12,035.00
5	Maritime Dredging Co., 78 Broad St., New York.	.27	2.75	7.00	46,000	12,420.00	138.75	12,558.75
6	Morris & Cummings Dredging Co., 17 State St., New York.....	.17 $\frac{7}{11}$	1.50	2.50	46,000	8,112.73	62.50	8,175.23

## COMBINED PRICES, NEWTOWN CREEK AND WALLABOUT CHANNEL.

	Names and addresses of bidders.	Material except broken rock and bowlders $\frac{1}{2}$ cubic yard or larger and ledge rock, per cubic yard.	Broken rock and bowlders $\frac{1}{2}$ to 3 cubic yards (50 cubic yards), per cubic yard.	Broken rock and bowlders over 3 cubic yards (20 cubic yards), per cubic yard.	Amount that can be dredged.	Cost of dredging.	Cost of rock removal.	Total cost.
1	William Beard & Co., 21 State St., New York....	\$0.22	\$1.90	\$7.00	<i>Cu. yds.</i> 83,011	\$18,262.42	\$117.50	\$18,497.42
2	U. S. Dredging & Contracting Co., 260 Washington St., Jersey City, N. J.....	.24						( <sup>2</sup> )
3	Howard Meadows Improvement Co., 30 Church St., New York...	.30	.40	4.00	69,487	20,846.10	100.00	20,996.10
4	Maritime Dredging Co., 78 Broad St., New York.	.30 $\frac{1}{2}$	2.75	7.00	69,319	20,140.46	277.50	20,417.96
5	Morris & Cummings Dredging Co., 17 State St., New York.....	.17 $\frac{1}{2}$	1.45	3.25	96,465	16,881.37	137.50	\$17,018.87

<sup>1</sup> Scow measurement.<sup>2</sup> Informal.<sup>3</sup> Recommended for acceptance.

## NEW YORK (N. Y.) SECOND DISTRICT.

[Officer: Col. S. W. Roessler, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals received in response to advertisement dated June 21, 1909, for furnishing bituminous coal required by the United States dredges Manhattan, Atlantic, Raritan, and Navesink, and opened July 6, 1909, at the office of Col. S. W. Roessler, Corps of Engineers, New York, N. Y.*

No.	Names and addresses of bidders	Brand.	Mines.	Price per ton.	Total (for approximately 48,000 tons).	Remarks.
1	Elkins Coal & Coke Co., 1 Broadway, New York, N. Y.	Elkins steam coal.	Elkins Coal & Coke Co. No. 2, 4, 6 mines.	\$3.07	\$147,360.00	Analysis not sworn to. Bid slightly informal; paragraph 7, "General instructions to bidders" not complied with.
2	W. P. W. Haff, 1 Broadway, New York, N. Y.	Knickerbocker Empire.....	Knickerbocker.... Empire.....	3.08 3.08	}147,840.00	Analysis not furnished.
3	C. J. Wittenberg, 11 Broadway, New York, N. Y.	Acme.....	Acme mines.....	3.20		
4	Pennsylvania Coal & Coke Co., 17 Battery Place, New York, N. Y.	Arcadia.....	Arcadia.....	3.15	151,200.00	Bid slightly informal; paragraph 7 "General instructions to bidders" not complied with.
5	Maryland Coal & Coke Co., 1431 Land Title Building, Philadelphia, Pa.	Imperial.....	Viola or Whitesides, Clearfield County, Pa.	3.25	156,000.00	Do.
6	Davis Coal & Coke Co., 700 Continental Building, Baltimore, Md.	Standard Miller Vein.	Keystone, Clearfield County, Pa.	3.15	151,200.00	Analysis not sworn to.
		Tyson.....	Tyson.....	3.25	156,000.00	Bid slightly informal; paragraph 7 "General instructions to bidders" not complied with.
		Kittanning....	Kittanning.....	3.10	148,800.00	Analysis not furnished.
7	Rogers Corr Coal Co., 318 Arcadia Building, Philadelphia, Pa.	Quemahoning.	Boswell, Somerset County, Pa.	3.33	159,840.00	} Do.
8	The Chesapeake & Ohio Coal & Coke Co., 165 Broadway, New York, N. Y.	Welsh Mo-shanmon.	Grampian, Clearfield, Pa.	3.23	155,040.00	
		Creco.....	Jerome, Pa.....	3.13	150,240.00	Paragraph 7, "General instructions to bidders" not complied with.
9	The Blaine Coal Co., Land Title Building, Philadelphia, Pa.	Somerset.....	West Salisbury, Pa.	2.88	138,240.00	Bid informal; paragraph inserted.
		West Virginia.	Bayard, W. Va...	2.93	140,640.00	
		Blaine No. 1..	Blaine.....	3.11	149,280.00	
10	W. K. Niver Coal Co., 90 West St., New York, N. Y.	Pen Mar.....	Pen Mar.....	2.82	135,360.00	Paragraph 7, "General instructions to bidders" not complied with, informality waived; recommended.
11	Hite & Rafetto, 1 Broadway, New York, N. Y.	No. 2 Stauffer.	Listie, Pa.....	3.06	146,880.00	
12	Keystone Coal & Coke Co., 10-12 Broadway, New York, N. Y.	No. 1 Peerless.	Darwin, W. Va...	3.16	151,680.00	Bid slightly informal; paragraph 7, "General instructions to bidders" not complied with.
		Cardiff.....	Cambria County, Pa.	3.20	153,600.00	



## RIVERS AND HARBORS—Continued.

*Abstract of proposals received in response to advertisement dated June 21, 1909, for furnishing bituminous coal required by the United States dredges Manhattan, Atlantic, Raritan, and Navesink, and opened July 6, 1909, at the office of Col. S. W. Roessler, Corps of Engineers, New York, N. Y.—Continued.*

No.	Names and addresses of bidders.	Brand.	Mines.	Price per ton.	Total (for approximately 48,000 tons).	Remarks.
13	Geo. D. Harris & Co., 1 Broadway, New York, N. Y.	Freeport.....	Howesville.....	\$2.75	\$132,000.00	
14	Vinton Colliery Co., 1 Broadway, New York, N. Y.	Kittanning.... Vinton.....	Gleason..... Vintondale, Pa....	2.85 3.09	136,800.00 148,320.00	Bid informal; paragraph inserted. Analysis not sworn to.
15	A. J. McCollum, 982 Manhattan Ave., Brooklyn, N. Y.	Elkins.....	Elkins.....	2.96	142,080.00	

*Abstract of proposals received in response to advertisement dated May 24, 1909, for dredging in Bay Ridge and Red Hook Channels, New York Harbor, and opened June 24, 1909, by Col. S. W. Roessler, Corps of Engineers, Army Building, New York, N. Y.*

No.	Names and address of bidders.	Price per cubic yard measured in vessels.	Number of yards that can be removed with amount available (\$300,000).	Time of beginning after date of notification of approval of contract by Chief of Engineers.	Guaranteed minimum rate of excavation per month.	Remarks.
1	Taylor Dredging Co., 21 State St., New York, N. Y.	\$0.18½	1,600,000	90 days....	Cu. yds. 100,000	{ Slightly informal; authority for signature of president not filed with bid. Do.
2	Newark Meadows Improvement Co., 30 Church St., New York, N. Y.		1,655,172	10 days....	1125,000 100,000	
3	R. G. Packard Co., 130 Pearl St., New York, N. Y.	.27½	1,093,117	60 days....	50,000	Slightly informal; authority for signature of vice president not filed with bid.
4	Morris & Cumings Dredging Co., 17 State St., New York, N. Y.	.1685	1,780,415	.....do....	120,000	Lowest bid; bid slightly informal; authority for signature of president not filed with bid.
5	P. Sanford Ross (Inc.), 277 Washington St., Jersey City, N. J.	.179	1,675,977	30 days....	100,000	Slightly informal; authority for signature of president not filed with bid. Do.
6	The W. H. Beard Dredging Co., 21 State St., New York, N. Y.	.24	1,250,000	.....do....	120,000	

<sup>1</sup>Next year.



*Abstract of proposals received in response to advertisement dated May 25, 1909, for completing the sea wall and continuing embankment construction at Governors Island, New York Harbor, and opened June 25, 1909, by Col. S. W. Roessler, Corps of Engineers, New York, N. Y.*

No.	Names and address of bidders.	Price per ton.	Riprap (approximate amount 16,000 tons).	Per linear foot.	Masonry wall (approximate amount 400 linear feet).	Price per cubic yard.	Embankment (approximate amount 400,000 cubic yards).	Time of completion.	Remarks.
1	Morris & Cumings, 17 State St., New York, N. Y.	<i>Cents.</i> 40	\$6,400	\$21	\$8,400	<i>Cents.</i> 21	\$63,000	24 months.	Slightly informal; authority for signature of president not filed with the bid.
2	Henry Steers (Inc.), 17 Battery Place, New York, N. Y.	38	6,080	21	8,400	18½	56,000	15 months.	Lowest bid; slightly informal; authority for signature of president not filed with bid.
3	S. A. Bailey, 59 Pearl St., New York, N. Y.	50	8,000	25	10,000	30	90,000	12 months.	Informal; guarantors to bid not certified by court officer.

*Abstract of proposals received in response to advertisement dated June 10, 1909, for furnishing 900 reserve lanterns, and opened June 30, 1909, at the office of Col. S. W. Roessler, Corps of Engineers, Army Building, New York, N. Y.*

No.	Names and addresses of bidders.	Price per lantern.	Cost of 900 lanterns.
1	G. & W. Manufacturing Co., 26 Cortlandt St., New York, N. Y.....	\$6.61	<sup>1</sup> \$5,949
2	F. H. Lovell & Co., Arlington, N. J.....	6.65	5,985
3	H. Krantz Manufacturing Co., 160 Seventh St., Brooklyn, N. Y.....	7.21	6,489

<sup>1</sup> Lowest bid.

*Abstract of proposals received in response to advertisement dated June 10, 1909, for furnishing 6,400 reserve dry cells, and opened June 30, 1909, at the office of Col. S. W. Roessler, Corps of Engineers, Army Building, New York, N. Y.*

No.	Names and addresses of bidders.	Price per cell.	Cost of 6,400 cells.	Remarks.
1	F. H. Lovell & Co., Arlington, N. J.....	\$0.26	<sup>1</sup> \$1,664.00	{ Sample submitted not a reserve cell; \$0.15½ each for 2,400, \$0.15¼ each for 4,000.
2	Harrison Supply Co., 157 Harrison St., Brooklyn, N. Y.	{ .15½ .15¼ }	982.00	
3	W. R. Ostrander & Co., 22 Dey St., New York, N. Y.	.28½	1,804.80	
4	National Carbon Co., 220 Broadway, New York, N. Y.	.28 <sup>9</sup> / <sub>10</sub>	1,830.40	

<sup>1</sup> Lowest bid.

*Abstract of proposals received in response to advertisement dated June 14, 1909, for furnishing and installing hot-water heating plant in the Mayo house, Fort Wadsworth, N. Y., and opened June 24, 1909, by Col. S. W. Roessler, Corps of Engineers, Army Building, New York, N. Y.*

No.	Names and addresses of bidders.	Amount of bid.	Square feet of heating area as proposed in bid.		Time of completion after acceptance of bid.
			Area.	Per square foot.	
1	G. & W. Manufacturing Co., 26 Cortlandt St., New York, N. Y.	\$847.00	<i>Sq. ft.</i> 890	\$0.951 +	Not stated.
2	W. J. Barry, Tompkinsville, N. Y.	1,015.00	1,322	.767 +	30 days.
3	Nugent Heating & Ventilating Co., 2398 Broadway, New York, N. Y.	1,113.40	828	1.34 +	60 days.
4	Seward Engineering Co., 141 Worth St., New York, N. Y.	1,307.00	1,276	1.02 +	Do.

Remarks: The W. J. Barry bid is lowest; the 890 square feet, as per the G. & W. Manufacturing Co's. bid, not considered sufficient radiation.

*Abstract of proposals received in response to advertisement dated October 8, 1909, for furnishing and spreading earth and fertilizing material upon an embankment at Governors Island, New York Harbor, and opened on November 8, 1909, by Col. S. W. Roessler, Corps of Engineers.*

No.	Names and addresses of bidders.	Earth.			Fertilizer.		
		Price per cubic yard, scow measure.	Average delivery per working month.	Total cost (estimated 102,850 cubic yards).	Price per cubic yard measured on scow.	Average delivery per working month.	Total cost (estimated 10,000 cubic yards).
1	McHarg-Barton Co., New York, N. Y.	\$0.59	<i>Cu. yds.</i> 8,000	\$60,681.50	\$3.50	<i>Cu. vds.</i> 2,000	\$35,000.00
2	Charles L. Doran Contracting Co., 1015 Walton Ave., New York, N. Y.	2.00	10,000	205,700.00	2.75	3,000	27,500.00
3	John O'Connor, 725 President St., Brooklyn, N. Y.	.50	3,000	51,425.00	1 3.97 2 2.85	1,000	39,700.00
4	Dominick Bonacci, 672 DeGraw St., Brooklyn, N. Y.				4.00	5,000	28,500.00
5	Henry Steers (Inc.), 17 Battery Place, New York, N. Y.	.50	20,000	51,425.00	3.50	3,000	40,000.00
6	S. A. Bailey, 59 Pearl St., New York, N. Y.	.43	15,000	44,225.50	3.50	1,500	35,000.00

<sup>1</sup> No. 1.

<sup>2</sup> No. 2.

No.	Names and addresses of bidders.	Seeding area.		Total of bid.	Remarks.
		Per acre.	Total cost (estimated 85 acres).		
1	McHarg-Barton Co., New York, N. Y.	\$100.00	\$8,500.00	\$104,181.50	Sample and analysis submitted.
2	Charles L. Doran, Contracting Co., 1015 Walton Ave., New York, N. Y.	100.00	8,500.00	241,700.00	Sample and analysis submitted; informal; certificate by a notary public.
3	John O'Connor, 725 President St., Brooklyn, N. Y.	35.00	2,975.00	94,400.00	Do.
4	Dominick Bonacci, 672 DeGraw St., Brooklyn, N. Y.				Do.
5	Henry Steers (Inc.), 17 Battery Place, New York, N. Y.	35.00	2,975.00	89,400.00	Sample and analysis submitted.
6	S. A. Bailey, 59 Pearl St., New York, N. Y.	15.00	1,275.00	80,500.50	No samples or analysis submitted; informal; certificate by a notary public.

*Abstract of proposals received in response to advertisement dated March 11, 1910, for furnishing and delivering portable hand lamps and plug boxes, and opened April 11, 1910, at the office of Col. S. W. Roessler, Corps of Engineers, Army Building, New York, N. Y.*

No.	Names and addresses of bidders.	Plug boxes.		Hand lamps.				Total bid.	Time of delivery.
		Each.	For 558.	With 20-foot cable.		With 16-foot cable.			
				Each.	For 83.	Each.	For 217.		
1	F. H. Lovell & Co., Arlington, N. J.....	\$2.50	\$1,395.00	\$4.75	\$394.25	\$4.30	\$933.10	\$2,722.35	60 days.
2	Western Electric Co., 463 West St., New York, N. Y.....	2.50	1,395.00	4.10	340.30	3.95	857.15	2,592.45	45 days.
3	H. Krantz Manufacturing Co., 160 7th St., Brooklyn, N. Y....	2.74	1,528.92	Each \$3.45, for 300, \$1,035				12,563.92	60 days.

<sup>1</sup> Lowest bid.

*Abstract of proposals received in response to advertisement dated March 14, 1910, for furnishing switch boxes and panels, opened March 31, 1910, at the office of Col. S. W. Roessler, Corps of Engineers, Army Building, New York City.*

[Estimated cost, \$920.]

No.	Names and addresses of bidders.	6-circuit switch.					8-circuit switch.				
		Price each.		Total for 11.		Total.	Price each.		Total for 6.		Total.
		Box.	Panel.	Boxes.	Panels.		Box.	Panel.	Boxes.	Panels.	
1	Martin Electric Co., 90 Verona St., Brooklyn, N. Y.....	\$30.00	\$10.00	\$330.00	\$110.00	\$440.00	\$32.50	\$12.00	\$195.00	\$72	\$267.00
2	Walker Electric Co., 39 Cortland St., New York, N. Y..	-----	-----	658.00	88.00	746.00	-----	-----	478.00	63	541.00
3	Central Electric Co., Chicago, Ill.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
4	Foote, Pierson & Co., 160 Duane St., New York, N. Y.	24.00	10.75	264.00	118.25	382.25	28.50	14.50	171.00	87	258.00
5	F. H. Lovell & Co., Arlington, N. J.....	35.00	9.00	385.00	99.00	484.00	38.00	12.50	228.00	75	303.00
6	H. Krantz Mfg. Co., 160 7th St., Brooklyn, N. Y.....	-----	-----	-----	-----	429.00	-----	-----	-----	-----	288.00
7	General Electric Co., 30 Church St., New York, N. Y.	25.80	21.75	283.80	239.25	523.05	34.40	29.50	206.40	177	383.40

*Abstract of proposals received in response to advertisement dated March 14, 1910, for furnishing switch boxes and panels, opened March 31, 1910, at the office of Col. S. W. Roessler, Corps of Engineers, Army Building, New York City—Continued.*

No.	Names and addresses of bidders.	4-circuit switch.					Grand total.	Alternate bid for boxes complete.					To be delivered within—
		Price each.		Total for 7.		Eleven 6-clr. cut.		Six 8-clr. cut.	Seven 4-clr. cut.	Total.			
		Box.	Panel.	Boxes.	Panels.						Total.		
1	Martin Electric Co., 90 Verona St., Brooklyn, N. Y.	\$27.50	\$8.00	\$192.50	\$56.00	\$248.50	\$955.50					24 days.	
2	Walker Electric Co., 39 Cortland St., New York, N. Y.	}		277.00	37.00	314.00	1,601.00					{ <sup>2</sup> 3 weeks. <sup>3</sup> 6-8 weeks	
3	Central Electric Co., Chicago, Ill.							<sup>2</sup> 1,532.00 <sup>3</sup> 177.10 1,709.10					Not stated
4	Foote, Pierson & Co., 160 Duane St., New York, N. Y.	22.75	8.25	159.25	57.75	217.00						60 days.	
5	F. H. Lovell & Co., Arlington, N. J. <sup>1</sup>	30.00	6.00	210.00	42.00	252.00	1,039.00	\$396	\$270	\$224	\$890	3 weeks.	
6	H. Krantz Mfg. Co., 160 7th St., Brooklyn, N. Y.					227.50	944.50					30 days.	
7	General Electric Co., 30 Church St., New York, N. Y.	17.20	15.50	120.40	108.50	228.90	1,135.35					50 days.	

<sup>1</sup> Alternate bid accepted on account of time.

<sup>2</sup> Panels.

<sup>3</sup> Boxes.

#### WRECKS.

*Abstract of proposals for removing wreck of steamship Finance from lower New York Harbor, received in response to advertisement dated March 23, 1909, and opened April 23, 1909, at the office of Col. S. W. Roessler, Corps of Engineers, New York, N. Y.*

No.	Names and addresses of bidders.	Price for removal of wreck.	Time of—		Method of removal.
			Beginning work.	Completion of work.	
1	Johnston & Virden, Lewes, Sussex County, Del.	<sup>1</sup> \$23,950.00	10 days after acceptance.	7 months.	Steam hoisters, blasting, and divers.
2	Merritt & Chapman Derrick & Wrecking Co., 17 Battery Place, New York, N. Y.	88,485.00	20 days after acceptance.	18 months.	Explosives, divers, wrecking steamers, and derricks.
3	Alfred Sorensen, 36 Atlantic Ave., Boston, Mass.	<sup>2</sup> 230.00 125,000.00			

<sup>1</sup> Lowest bid.

<sup>2</sup> Per day; bid informal.

*Abstract of bids received in response to circular letter, dated May 14, 1909, for removing barge Wm. H. Connor from New York Harbor, and opened May 20, 1909, at the office of Col. S. W. Roessler, Corps of Engineers, Army Building, New York, N. Y.*

No.	Names and addresses of bidders.	Amount of bid.	Allowed for wreck and cargo.	Time for completion.
1	Merritt & Chapman Derrick & Wrecking Co., 17 Battery Place, New York, N. Y.	\$7,600.00	\$750.00	7 weeks.
2	Neptune Salvage Co., 2 Coenties Slip, New York, N. Y.....	5,750.00	250.00	Do.
3	Johnston & Virden, Lewes, Del. ....	<sup>1</sup> 4,200.00	700.00	3 weeks or less.

<sup>1</sup> Lowest bid.

*Abstract of bids received in response to circular letter dated February 16, 1910, for removing schooner "J. Henry Edmunds" from New York Harbor, and opened February 19, 1910, at the office of Col. S. W. Roessler, Corps of Engineers, Army Building, New York, N. Y.*

No.	Names and addresses of bidders.	Amount of bid.	Allowed for wreck and cargo.	Net bid.	Time for completion.	Method of removal.
1	Johnston & Virden, Lewes, Del.	\$3,995.00	\$500.00	<sup>1</sup> \$3,495.00	40 days.....	Wreck to be removed by breaking up with dynamite.
2	Lewis W. Blix, 363 Forty-seventh St., Brooklyn, N. Y.	3,750.00	25.00	3,725.00	30 working days...	To be removed by blasting and use of derrick.
3	Merritt & Chapman Derrick & Wrecking Co., 17 Battery Place, New York, N. Y.	6,430.00	10.00	6,420.00	20 days.....	Lift wreck intact if not too much broken.

<sup>1</sup> Lowest bid.

### NEW YORK (N. Y.), THIRD DISTRICT.

[Officer, Col. Wm. T. Rossell, Corps of Engineers.]

#### RIVERS AND HARBORS.

*Abstract of proposals for dredging in Raritan Bay, N. J., received in response to advertisement dated August 14, 1909, and opened at 12 o'clock noon, September 14, 1909, at New York, N. Y., by Col. D. W. Lockwood, Corps of Engineers.*

No.	Names and addresses of bidders.	Price bid per cubic yard, scow measurement.	Amount of material that can be removed.
		Cents.	Cubic yards.
1	Taylor Dredging Co., 21 State St., New York, N. Y.....	17.8	101,123
2	The International Contracting Co., 17 Battery Place, New York, N. Y.....	29.0	62,069
3	United States Dredging & Contracting Co., 260 Washington St., Jersey City, N. J.	35.0	51,428
4	Maritime Dredging Co., 78 Broad St., New York, N. Y.....	24.5	73,469
5	The W. H. Beard Dredging Co., 21 State St., New York, N. Y.....	25.0	72,000
<sup>1</sup> 6	R. G. Packard Co., 130 Pearl St., New York, N. Y.....	16.5	109,091

<sup>1</sup> Lowest and accepted bid; contract entered into on November 3, 1909.

*Abstract of proposals for dredging in Passaic and Shrewsbury Rivers, N. J., received in response to advertisement dated March 1, 1910, and opened at 12 o'clock noon, April 1, 1910, at New York, N. Y., by Col. William T. Rossell, Corps of Engineers.*

No.	Names and addresses of bidders.	Price bid per cubic yard, scow measurement.		Amount of material that can be removed.
		Passaic River.	Shrewsbury River.	
1	The International Contracting Co., 17 Battery Place, New York, N. Y. ....	Cents. 85	Cents. ....	Cubic yards. 14,117
2	The Newburgh Dredging Co., Newburgh, N. Y. ....	.....	26	15,384
3	Maritime Dredging Co., 78 Broad Street, New York, N. Y. ....	97	.....	12,371

<sup>1</sup> Rejected, and informal offer of the International Contracting Co. to do the work at 75 cents per cubic yard, scow measurement, made on May 11, 1910, was accepted. Contract entered into on May 24, 1910.

<sup>2</sup> Lowest and accepted bid; contract entered into on Apr. 13, 1910.

*Abstract of proposals for dredging in Passaic River, N. J., received in response to advertisement dated March 26, 1910, and opened at 12 o'clock noon, April 26, 1910, at York, N. Y., by Col. William T. Rossell, Corps of Engineers.*

No.	Names and addresses of bidders.	Price bid per cubic yard, scow measurement.	Amount of material to be removed.
1	The International Contracting Co., 17 Battery Place, New York, N. Y. ....	Cents. 50	Cubic yards. 39,000
2	P. Sanford Ross (Inc.), 277 Washington Street, Jersey City, N. J. ....	75	39,000

<sup>1</sup> Lowest and accepted bid; contract entered into on May 13, 1910.

## PHILADELPHIA (PA.) DISTRICT.

[Officer: Maj. Herbert Deakyne, Corps of Engineers.]

### RIVERS AND HARBORS.

*Abstract of proposals for furnishing labor and materials for emergency repairs to the United States floating plant on Delaware River belonging to the United States Engineer Department, opened April 25, 1910, by Maj. Herbert Deakyne, Corps of Engineers.*

	Approximate quantities.	Kensington Shipyard Co., Philadelphia, Pa.	
		Price per unit.	Total.
LABOR.			
(Prices for various classes of skilled labor are to include the use of ordinary hand tools necessary to perform the work.)			
Blacksmiths' labor, including forge, coal, and tools.....	1,000 hours.....	\$0.50	\$500.00
Blacksmiths' helpers' labor.....	.....do.....	.16 $\frac{1}{2}$	165.00
Boilermakers' labor, with hand tools.....	500 hours.....	.30	150.00
Boilermakers' helpers' labor.....	200 hours.....	.18	36.00
Carpenters' labor, with ordinary tools.....	1,000 hours.....	.32 $\frac{1}{2}$	325.00
Calkers' labor, with ordinary tools.....	2,000 hours.....	.32 $\frac{1}{2}$	650.00
Chippers' and calkers' labor, air tools.....	500 hours.....	.31 $\frac{3}{4}$	156.75
Coppersmiths' labor, with forge, coal, and tools.....	50 hours.....	.30	15.00
Coppersmiths' helpers' labor.....	.....do.....	.18	9.00
Drillers' labor, air tools, etc.....	500 hours.....	.27	135.00



*Abstract of proposals for furnishing labor and materials for emergency repairs to the United States floating plant on Delaware River belonging to the United States Engineer Department, opened April 25, 1910, by Maj. Herbert Deakyn, Corps of Engineers—Cont'd.*

	Approximate quantities.	Kensington Shipyard Co., Philadelphia, Pa.	
		Price per unit.	Total.
LABOR—continued.			
Electricians' labor.....	100 hours.....	\$0.26 <sup>8</sup> / <sub>10</sub>	\$26.80
Electricians' helpers' labor.....	.....do.....	.08 <sup>1</sup> / <sub>2</sub>	8.25
Engineers' labor.....	.....do.....	.21 <sup>1</sup> / <sub>2</sub>	21.50
Firemen's labor.....	.....do.....	.21 <sup>1</sup> / <sub>2</sub>	21.50
Ironworkers' labor.....	1,000 hours.....	.31 <sup>3</sup> / <sub>8</sub>	313.50
Ironworkers' helpers' labor.....	800 hours.....	.18 <sup>1</sup> / <sub>2</sub>	148.00
Joiners' labor.....	100 hours.....	.35	35.00
Machinists' labor.....	5,000 hours.....	.28	1,400.00
Machinists' helpers' labor.....	1,000 hours.....	.16 <sup>1</sup> / <sub>2</sub>	165.00
Ordinary labor.....	1,500 hours.....	.17 <sup>3</sup> / <sub>8</sub>	259.05
Painters' labor, with brush and tools.....	100 hours.....	.25 <sup>5</sup> / <sub>8</sub>	25.80
Patternmakers' labor, with tools.....	500 hours.....	.35	175.00
Pipe fitters' labor, with tools.....	100 hours.....	.28	28.00
Pipe fitters' helpers' labor.....	.....do.....	.16 <sup>1</sup> / <sub>2</sub>	16.50
Plumbers' labor.....	50 hours.....	.29 <sup>1</sup> / <sub>2</sub>	14.75
Plumbers' helpers' labor.....	.....do.....	.17 <sup>5</sup> / <sub>8</sub>	8.90
Punchers' labor.....	200 hours.....	.30	60.00
Riggers' labor.....	1,500 hours.....	.23	345.00
Riveters' labor, with air tools.....	1,000 hours.....	.35	350.00
Labor of any kind—shop and yard work, performed after regular working hours:			
Between 6 o'clock p. m. and 12 o'clock midnight, at 100 per cent increase over day rate for same class of labor.....		( <sup>1</sup> )	-----
Between 12 o'clock midnight and 7 o'clock a. m. and on Sundays or holidays, at 100 per cent increase over day rates for same class of labor.....		( <sup>1</sup> )	-----
Ashes removed from wharf and disposed of.....	25 loads.....	<sup>2</sup> .50	12.50
Hauling, with two-horse truck and driver.....	75 hours.....	.50	37.50
MATERIALS.			
Asbestos:			
Sheet.....	200 pounds.....	.02 <sup>1</sup> / <sub>2</sub>	5.50
Millboard.....	50 pounds.....	.03 <sup>1</sup> / <sub>2</sub>	1.88
Bars, steel, for machine work.....	4,000 pounds.....	.02	80.00
Bolts:			
Galvanized, threaded.....	50 pounds.....	.05 <sup>1</sup> / <sub>2</sub>	2.75
Machine, threaded.....	1,000 pounds.....	.04 <sup>1</sup> / <sub>2</sub>	42.50
Steel.....	50 pounds.....	.04 <sup>1</sup> / <sub>2</sub>	2.13
Tap.....	.....do.....	.06 <sup>1</sup> / <sub>2</sub>	3.38
Brass rods.....	.....do.....	.14 <sup>1</sup> / <sub>2</sub>	7.25
Brass, sheet.....	100 pounds.....	.14 <sup>1</sup> / <sub>2</sub>	14.50
Bricks, fire.....	1,000.....	<sup>3</sup> .03	30.00
Bushings, phosphor bronze.....	500 pounds.....	.22 <sup>1</sup> / <sub>2</sub>	112.50
Candles, tallow, about 4 inches long.....	8 dozen.....	.06 <sup>1</sup> / <sub>2</sub>	.52
Canvas, No. 6.....	50 yards.....	.22 <sup>1</sup> / <sub>2</sub>	11.25
Castings:			
Iron cored (not propeller wheels), including core and mold.....	10,000 pounds.....	.03 <sup>1</sup> / <sub>2</sub>	325.00
Iron (not propeller wheels), plain, including mold, no core.....	25,000 pounds.....	.02 <sup>1</sup> / <sub>2</sub>	656.25
Loam.....	500 pounds.....	.04	20.00
Steel, including core and mold (not propeller wheels).....	5,000 pounds.....	.06	300.00
White brass.....	50 pounds.....	.25	12.50
Yellow brass, including core and mold.....	500 pounds.....	.20	100.00
Cement, Portland.....	10 barrels.....	1.70	17.00
Clay, fire.....	1,000 pounds.....	.01	10.00
Cloth, emery, ordinary size and quality.....	50 sheets.....	.02 <sup>1</sup> / <sub>2</sub>	1.38
Copper, sheet.....	50 pounds.....	.19	9.50
Felt, Irish, 32 by 40 inches.....	100 sheets.....	.04 <sup>1</sup> / <sub>2</sub>	4.25
Grommets.....	500.....	<sup>4</sup> .06 <sup>1</sup> / <sub>2</sub>	2.71
Hackmatack knees, 6-inch.....	10.....	<sup>3</sup> 1.50	15.00
Iron:			
Angle.....	500 pounds.....	.01 <sup>1</sup> / <sub>2</sub>	9.50
Bar.....	5,000 pounds.....	.02	100.00
Sheet, plain.....	100 pounds.....	.03	3.00
Sheet, galvanized.....	500 pounds.....	.03 <sup>1</sup> / <sub>2</sub>	17.50
Lead:			
Atlantic, white.....	50 pounds.....	.06	3.00
Red, mixed.....	25 gallons.....	.60	15.00
Sheet.....	300 pounds.....	.07	21.00
Logs, white pine, for buoys, sticks trimmed of knots, but not dressed, 30 to 50 feet long, not less than 6 inches diameter at small end.....	500 feet.....	<sup>5</sup> .50	250.00

<sup>1</sup> Double time.<sup>2</sup> Per cubic yard.<sup>3</sup> Per linear foot.<sup>4</sup> Per 1,000 feet b. m.

*Abstract of proposals for furnishing labor and materials for emergency repairs to the United States floating plant on Delaware River belonging to the United States Engineer Department, opened April 23, 1910, by Maj. Herbert Deakyne, Corps of Engineers—Cont'd.*

		Kensington Shipyard Co., Philadelphia, Pa.	
		Approximate quantities.	
			Price per unit.
			Total.
MATERIALS—continued.			
Lumber:			
Cypress.....	500 feet.....	1 \$49.00	\$24.50
Georgia long-leaf yellow pine.....	5,000 feet.....	1 37.50	187.50
White oak.....	2,000 feet.....	1 45.00	90.00
Pattern.....	1,000 feet.....	1 57.50	57.50
Spruce.....	5,000 feet.....	1 32.25	161.25
White pine.....	1,000 feet.....	1 39.00	39.00
Metal:			
Best magnolia babbitt.....	100 pounds.....	.18	18.00
Muntz.....	do.....	1 16.25	16.25
Parson's white.....	do.....	.25	25.00
Mops, pitch.....	5.....	2 .27	1.35
Nails:			
Copper.....	50 pounds.....	.21½	10.75
Countersunk head.....	do.....	.07½	3.75
Galvanized sheathing.....	do.....	.06½	3.25
Galvanized.....	100 pounds.....	.05½	5.50
Wire.....	300 pounds.....	.02½	7.50
Wrought.....	50 pounds.....	.03	1.50
Nuts, tapped, assorted.....	1,000 pounds.....	.08	80.00
Oakum, spun, best navy.....	2,000 pounds.....	.07	140.00
Oil:			
Lamp.....	10 gallons.....	.12	1.20
Linseed, boiled.....	25 gallons.....	.75	18.75
Linseed, raw.....	do.....	.75	18.75
Packing:			
Genuine rainbow.....	100 pounds.....	.45	45.00
Genuine usdurian.....	50 pounds.....	.45	22.50
Gum.....	do.....	.14	7.00
Soft.....	do.....	.13	6.50
Paint, lead, mixed and colored.....	25 gallons.....	.60	15.00
Paper, sand.....	200 sheets.....	.006	1.20
Pipe fittings:			
Brass.....	100 pounds.....	.40	40.00
Iron.....	500 pounds.....	.08	40.00
Galvanized iron.....	100 pounds.....	.10	10.00
Pipe:			
Brass.....	do.....	.19½	19.50
Copper.....	50 pounds.....	.24	12.00
Galvanized iron.....	500 pounds.....	.05	25.00
Iron.....	1,000 pounds.....	.03½	32.50
Lead.....	100 pounds.....	.06	6.00
Pins, iron split.....	10 pounds.....	.09½	.93
Pitch.....	25 barrels.....	3.00	75.00
Putty:			
Red lead.....	100 pounds.....	.06	6.00
White.....	25 pounds.....	.02	.50
Plate, boiler.....	500 pounds.....	.017½	9.50
Rings, saucer:			
Galvanized iron.....	10 pounds.....	.06½	.65
Iron.....	do.....	.06	.60
Rivets, tap.....	50 pounds.....	.09½	4.75
Rivets:			
½ inch and larger.....	1,000 pounds.....	.02½	25.00
¾ to ⅞ inch diameter.....	25 pounds.....	.04½	1.13
Screws:			
Brass.....	do.....	.48½	12.13
Iron.....	50 pounds.....	.10½	5.38
Shellac.....	5 gallons.....	2.80	14.00
Solder.....	25 pounds.....	.14½	3.63
Spikes:			
Galvanized.....	200 pounds.....	.04½	8.50
Wrought.....	500 pounds.....	.03	15.00
Spiles, white pine, ordinary size.....	500.....	2 .05½	.28
Steel:			
Best tool.....	200 pounds.....	.09½	19.50
Cold rolled.....	50 pounds.....	.03½	1.63
Plate.....	5,000 pounds.....	.017½	95.00
Tacks, galvanized.....	50 pounds.....	.08½	4.25
Tallow.....	10 pounds.....	.08	.80

1 Per 1,000 feet b. m.

2 Each.

3 Per 100.

*Abstract of proposals for furnishing labor and materials for emergency repairs to the United States floating plant on Delaware River belonging to the United States Engineer Department, opened April 25, 1910, by Maj. Herbert Deakyne, Corps of Engineers—Cont'd.*

	Approximate quantities.	Kensington Shipyard Co., Philadelphia, Pa.	
		Price per unit.	Total.
MATERIALS—continued.			
Tube, boiler:			
3½-inch.....	200 feet.....	\$0.21½	\$43.50
3-inch.....	.....do.....	.17½	35.00
2½-inch.....	.....do.....	.17	34.00
2½-inch.....	.....do.....	.16	32.00
2½-inch.....	.....do.....	.15	30.00
2-inch.....	.....do.....	.12½	25.00
Tubes, stay, ordinary:			
3½-inch.....	100 feet.....	.21½	21.75
3-inch.....	.....do.....	.17½	17.50
2½-inch.....	.....do.....	.17	17.00
2½-inch.....	.....do.....	.16	16.00
2½-inch.....	.....do.....	.15	15.00
2-inch.....	.....do.....	.12½	12.50
Turpentine.....	10 gallons.....	.65	6.50
Washers:			
O. G., cast iron.....	25 pounds.....	.03½	.81
Galvanized iron.....	10 pounds.....	.06	.60
Washers, wrought iron.....	200 pounds.....	.05	10.00
Waste, cotton.....	50 pounds.....	.04½	2.25
Water, fresh.....	20,000 gallons.....	1.00½	.05
Wedges, oak.....	300.....	2 1.00	3.00
Wheels, propeller:			
Cast steel, bored and key-seated, all complete (template and pattern furnished by the United States).	500 pounds.....	.08½	42.50
Cast iron, bored and key-seated, all complete (template and pattern furnished by the United States).	.....do.....	.05½	27.50
FOR USE OF TOOLS AND APPLIANCES.			
Crane, shop, capacity 10 tons.....	100 hours.....	.01	1.00
Cutter:			
Bolt.....	.....do.....	.12½	12.50
Pipe.....	50 hours.....	.12½	6.25
Derrick:			
Boom (size—radius, 58 feet 4 inches; 15 tons capacity).....	100 hours.....	.25	25.00
Pole (size—radius from 25 to 34 feet; capacity, 5 tons each ).....	.....do.....	.01	1.00
Furnace:			
Bending.....	.....do.....	.40	40.00
Oil-blast.....	.....do.....	.25	25.00
Forge, riveting.....	200 hours.....	.05	10.00
Hammer, steam, with tools.....	150 hours.....	.15	22.50
Hose.....	50 hours.....	.10	5.00
Jacks.....	.....do.....	.01	.50
Lathe:			
Large, with tools (size, from 24-inch swing, 10-foot center, to 78-inch swing, 30-foot center).....	500 hours.....	.18	90.00
Small, with tools (size, 21-inch swing, 9-foot center).....	800 hours.....	.05	40.00
Wood-turning.....	100 hours.....	.05	5.00
Lighters.....	50 hours.....	.25	12.50
Machine:			
Bending.....	.....do.....	.25	12.50
Boring, with tools.....	.....do.....	.20	10.00
Punching.....	100 hours.....	.23	23.00
Shaping (size of machine, 15 and 20 inch stroke, ¾-inch plate, 2¾-inch gap).....	50 hours.....	.07½	3.75
Shearing.....	100 hours.....	.23	23.00
Planer:			
Large (size of planer, 11-inch table, open side, and 16-inch table, open side).....	.....do.....	.25	25.00
Small (size of planer, 8-foot table, 28-inches wide).....	300 hours.....	.12½	37.50
Wood.....	50 hours.....	.12	6.00
Poles, derrick.....	.....do.....	.10	5.00
Press:			
Large drill (size, from 3 foot 8 inch raise, 4 foot 8 inch radius, to 5-foot raise, 6-foot radius).....	100 hours.....	.18	18.00
Small drill (size, 17 and 24 inch table).....	500 hours.....	.05½	27.50
Rigging and chains.....	200 hours.....	.01	2.00
Rolls, bending.....	50 hours.....	.10	5.00
Shear legs, small (size, 1 to 10 tons).....	100 hours.....	.01	1.00

<sup>1</sup> Per 1,000 gallons.

<sup>2</sup> Per 100.

*Abstract of proposals for furnishing labor and materials for emergency repairs to the United States floating plant on Delaware River belonging to the United States Engineer Department, opened April 25, 1910, by Maj. Herbert Deakyne, Corps of Engineers—Cont'd.*

	Approximate quantities.	Kensington Shipyard Co., Philadelphia, Pa.	
		Price per unit.	Total.
FOR USE OF TOOLS AND APPLIANCES—continued.			
Shears, large (size, 10 to 35 tons).....	50 hours.....	\$0.25	\$12.50
Slatter.....	200 hours.....	.10	20.00
Scows:			
Deck.....	50 hours.....	.10	5.00
Derrick.....	do.....	.20	10.00
Stages, floating.....	100 hours.....	.01	1.00
Saw:			
Band (wood).....	50 hours.....	.10	5.00
Circular (wood).....	do.....	.20	10.00
Trucks.....	100 hours.....	.01	1.00
Winch, steam.....	50 hours.....	.05	2.50
Running shop engine overtime.....	100 hours.....	.25	25.00
NOTE.—Bidders must give the sizes of lathes, drill presses, planers, cranes, shearing and shaping machines, derricks, and shear legs.			
FOR USE OF AIR TOOLS.			
Air-operated riveting hammers.....	200 hours.....	.12	24.00
Air-operated chipping or caulking tools.....	500 hours.....	.08	40.00
Air-operated steel twist drills.....	do.....	.12	60.00
Air-operated wood augers.....	100 hours.....	.12	12.00
Air compressor.....	do.....	.50	50.00
FOR HAULING OUT VESSELS.			
Hauling out steamers Vidette, Philadelphia, and Humphreys, and launch Schuylkill on railways.....	5 hauls.....	<sup>1</sup> 5.00	25.00
Lay days, per day for each vessel named above.....	5.....	5.00	25.00
Hauling out scows or dredges less than 100 feet long.....	5 hauls.....	<sup>1</sup> 5.00	25.00
Lay days for scows or dredges less than 100 feet long, per lay day.....	5.....	5.00	25.00
Hauling out scows or dredges over 100 feet long.....	5 hauls.....	<sup>1</sup> 7.00	35.00
Lay days for scows or dredges over 100 feet long, per lay day.....	10.....	7.00	70.00
Hauling out pontoons less than 25 feet long.....	10 hauls.....	<sup>1</sup> 1.00	10.00
Lay days for pontoons less than 25 feet long, per lay day.....	5.....	1.00	5.00
Total.....			10,704.67

<sup>1</sup> Each.

Contract (dated May 4, 1910) entered into with Kensington Shipyard Co.

*Abstract of proposals for furnishing and delivering bituminous coal for U. S. dredge Delaware, and other vessels of the United States plant, opened January 27, 1910, by Maj. Herbert Deakyme, Corps of Engineers.*

[Prices are per ton of 2,240 pounds.]

Items.	Estimated quantity.	Names and addresses of bidders.									
		(1) Sterling Coal Co., Philadelphia, Pa.		(2) Rogers-Corr Coal Co., Philadelphia, Pa.		(3) The Consolidation Coal Co., Philadelphia, Pa.		(4) The Maryland Coal & Coke Co., Philadelphia, Pa.		(5) Keystone Coal & Coke Co., Philadelphia, Pa.	
		Price.	Total.	Price.	Total.	Price.	Total.	Price.	Total.	Price.	Total.
	<i>Tons.</i>										
1. For the dredge Delaware and other vessels of her type, delivered in mid-stream .....	10,000	\$3.30	\$33,000	\$3.23	\$32,300	\$3.20	\$32,000	\$3.10	\$31,000	\$3.10	\$31,000
2. For all other dredges, tugs,scows,etc., delivered on board alongside company's wharf .....	6,000	2.90	17,400	2.70	16,200	2.77	16,620	2.75	16,500	2.73	16,380
Extra prices for lighterage, etc., when delivery is made in midstream for vessels of class 2:											
For loads not exceeding 50 tons .....		1.00		.90		.75		.55		.95	
For loads of more than 50, but less than 75 tons .....		.75		.75		.75		.55		.70	
For loads of 75 tons or more .....		.65		.60		.65		.55		.45	
Total .....			50,400		48,500		48,620		47,500		47,380

Contract (dated Apr. 30, 1910) entered into with the Sterling Coal Co.

*Abstract of proposals for furnishing labor and materials for emergency repairs to the United States floating plant on Delaware River, belonging to the United States Engineer Department, opened October 25, 1909, by Maj. Herbert Deakyme, Corps of Engineers.*

	Approximate quantities.	Names and addresses of bidders.			
		(1) Kensington Shipyard Co., Philadelphia, Pa.		(2) Quigley, Davis & Dorp, Camden, N. J.	
		Price per unit.	Total.	Price per unit.	Total.
LABOR.					
(Prices for various classes of skilled labor are to include the use of the ordinary hand tools necessary to perform their work.)					
Plumbers' labor.....	100 hours.....	\$0.29 $\frac{3}{8}$	\$29.50	\$0.25	\$25.00
Plumbers' helpers.....	do.....	.17 $\frac{3}{8}$	17.80	.10	10.00
Patternmakers' labor and tools.....	600 hours.....	.35 $\frac{3}{8}$	214.50	.35	210.00
Painters' labor, with brush and tools.....	500 hours.....	.25 $\frac{3}{8}$	129.00	.20	100.00
Carpenters' labor, with ordinary tools.....	8,000 hours.....	.34 $\frac{3}{8}$	2,760.00	.32 $\frac{3}{8}$	2,600.00
Calkers' labor, with ordinary tools.....	3,000 hours.....	.34 $\frac{3}{8}$	1,035.00	.32 $\frac{3}{8}$	975.00
Machinists' labor, with ordinary tools.....	15,000 hours.....	.29	4,350.00	.30	4,500.00
Machinists' helpers' labor.....	2,000 hours.....	.17 $\frac{3}{8}$	356.00	.15	300.00
Pipe-fitters' labor, with tools.....	200 hours.....	.29 $\frac{3}{8}$	59.00	.30	60.00
Pipe-fitters' helpers' labor.....	do.....	.17 $\frac{3}{8}$	35.60	.15	30.00
Boilermakers' labor, with hand tools.....	5,000 hours.....	.31 $\frac{3}{8}$	1,567.50	.25	1,250.00
Boilermakers' helpers' labor.....	1,000 hours.....	.18 $\frac{3}{8}$	185.00	.15	150.00
Blacksmiths' labor, including forge, coal, and tools.....	do.....	.55	550.00	.60	600.00
Blacksmiths' helpers' labor.....	1,500 hours.....	.17 $\frac{3}{8}$	260.70	.15	225.00

*Abstract of proposals for furnishing labor and materials for emergency repairs to the United States floating plant on Delaware River belonging to the United States Engineer Department, opened October 25, 1909, by Maj. Herbert Deakne, Corps of Engineers—Con.*

		Names and addresses of bidders.				
		Approximate quantities.	(1) Kensington Shipyard Co., Philadelphia, Pa.		(2) Quigley, Davis & Dorp, Camden, N. J.	
			Price per unit.	Total.	Price per unit.	Total.
LABOR—continued.						
Coppersmiths' labor, with forge, coal, and tools.	100 hours.....	\$0.30	\$30.00	\$0.20	\$20.00	
Coppersmiths' helpers' labor.....	do.....	.18	18.00	.10	10.00	
Riggers' labor.....	2,500 hours.....	.23	575.00	.22	550.00	
Ordinary labor.....	do.....	.17 <sup>37</sup> / <sub>50</sub>	431.75	.18	450.00	
Firemen labor.....	300 hours.....	.21 <sup>1</sup> / <sub>2</sub>	64.50	.15	45.00	
Engineers' labor.....	do.....	.21 <sup>1</sup> / <sub>2</sub>	64.50	.17	51.00	
Electrician.....	150 hours.....	.26 <sup>3</sup> / <sub>5</sub>	40.20	.32 <sup>1</sup> / <sub>2</sub>	48.75	
Electrician helpers.....	100 hours.....	.08 <sup>1</sup> / <sub>2</sub>	8.25	.15	15.00	
Joiners' labor.....	do.....	.35	35.00	.35	35.00	
Ironworkers' labor.....	do.....	.31 <sup>3</sup> / <sub>5</sub>	31.35	.35	35.00	
Ironworkers' helpers' labor.....	do.....	.18 <sup>1</sup> / <sub>2</sub>	18.50	.25	25.00	
Drillers' labor, air tools.....	do.....	.30	30.00	.35	35.00	
Chippers' and calkers' labor, air tools.....	do.....	.31 <sup>3</sup> / <sub>5</sub>	31.35	.35	35.00	
Riveters' labor, air tools.....	do.....	.35	35.00	.35	35.00	
Punchers' labor, air tools.....	do.....	.30	30.00	.35	35.00	
Hauling, 2 horses, truck and driver.....	75 hours.....	.50	37.50	.40	30.00	
Ashes, removed from wharf and disposed of.	25 loads.....	1.50	12.50	1.50	12.50	
Labor of any kind—shop and yard work, done after regular working hours:						
Between 6 o'clock p. m. and 12 o'clock midnight, at 100 per cent of increase over day rates for same kind of labor.		( <sup>2</sup> )		( <sup>2</sup> )		
Between 12 o'clock midnight and 7 o'clock a. m., and on Sundays or holidays, at 100 per cent of increase over day rates for same kind of labor.		( <sup>2</sup> )		( <sup>2</sup> )		
MATERIALS.						
Oak.....	5,000 feet.....	<sup>3</sup> 40.25	201.25	<sup>3</sup> 45.00	225.00	
Georgia long-leaf yellow pine.....	20,000 feet.....	<sup>3</sup> 31.00	620.00	<sup>3</sup> 40.00	800.00	
White pine.....	1,000 feet.....	<sup>3</sup> 39.00	39.00	<sup>3</sup> 45.00	45.00	
Pattern lumber.....	do.....	<sup>3</sup> 57.50	57.50	<sup>3</sup> 75.00	75.00	
Spruce.....	5,000 feet.....	<sup>3</sup> 32.25	161.25	<sup>3</sup> 35.00	175.00	
Cypress.....	500 feet.....	<sup>3</sup> 49.00	24.50	<sup>3</sup> 45.00	22.50	
Spun oakum, best Navy.....	2,000 pounds.....	.07 <sup>1</sup> / <sub>2</sub>	150.00	.10	200.00	
Phosphor bronze bushings.....	1,000 pounds.....	.26 <sup>1</sup> / <sub>2</sub>	265.00	.22 <sup>1</sup> / <sub>2</sub>	225.00	
Pitch.....	25 barrels.....	3.75	93.75	3.00	75.00	
Mops, pitch.....	5.....	4.31	1.55	4.35	1.75	
Spikes:						
Wrought.....	1,500 pounds.....	.04	60.00	.04	60.00	
Galvanized.....	200 pounds.....	.05 <sup>1</sup> / <sub>2</sub>	11.50	.05	10.00	
Nails:						
Wire.....	300 pounds.....	.03 <sup>1</sup> / <sub>2</sub>	10.50	.04	12.00	
Wrought.....	50 pounds.....	.04 <sup>1</sup> / <sub>2</sub>	2.25	.04	2.00	
Galvanized.....	100 pounds.....	.07	7.00	.04 <sup>1</sup> / <sub>2</sub>	4.13	
Galvanized sheathing.....	50 pounds.....	.08	4.00	.07	3.50	
Countersunk head.....	do.....	.08	4.00	.10	5.00	
Copper.....	do.....	.25 <sup>1</sup> / <sub>2</sub>	12.63	.21	10.50	
Galvanized tacks.....	do.....	.09 <sup>1</sup> / <sub>2</sub>	4.63	.10	5.00	
Screws:						
Iron.....	do.....	.13 <sup>1</sup> / <sub>2</sub>	6.88	.25	12.50	
Brass.....	25 pounds.....	.57 <sup>1</sup> / <sub>2</sub>	14.38	.50	12.50	
Bolts:						
Tap.....	200 pounds.....	.07 <sup>1</sup> / <sub>2</sub>	14.50	.05	10.00	
Machine, threaded.....	1,500 pounds.....	.04 <sup>1</sup> / <sub>2</sub>	67.50	.05	75.00	
Steel.....	50 pounds.....	.04 <sup>1</sup> / <sub>2</sub>	2.25	.08	4.00	
Galvanized, threaded.....	do.....	.06 <sup>1</sup> / <sub>2</sub>	3.13	.05 <sup>1</sup> / <sub>2</sub>	2.63	
Tap rivets.....	do.....	.10	5.00	.10	5.00	
Tapped nuts, assorted.....	1,000 pounds.....	.08 <sup>1</sup> / <sub>2</sub>	87.50	.08	80.00	
Rivets:						
<sup>1</sup> / <sub>2</sub> inch and larger.....	do.....	.02 <sup>3</sup> / <sub>4</sub>	27.50	.03	30.00	
<sup>1</sup> / <sub>8</sub> to <sup>1</sup> / <sub>2</sub> inch diameter.....	25 pounds.....	.03 <sup>1</sup> / <sub>2</sub>	.81	.08	2.00	

<sup>1</sup> Per cubic yard.<sup>2</sup> Double time.<sup>3</sup> Per 1,000 feet b. m.<sup>4</sup> Each.



*Abstract of proposals for furnishing labor and materials for emergency repairs to the United States floating plant on Delaware River belonging to the United States Engineer Department, opened October 25, 1909, by Maj. Herbert Deakne, Corps of Engineers—Con.*

		Names and addresses of bidders.			
		(1) Kensington Shipyard Co., Philadelphia, Pa.		(2) Quigley, Davis & Dorp, Camden, N. J.	
		Price per unit.	Total.	Price per unit.	Total.
MATERIALS—continued.					
Iron:					
Bar.....	10,000 pounds.....	\$0.02 <sup>1</sup> / <sub>10</sub>	\$230.00	\$0.02	\$200.00
Angle.....	1,000 pounds.....	.02	20.00	.02 <sup>1</sup> / <sub>4</sub>	22.50
Boiler plate.....	500 pounds.....	.02 <sup>1</sup> / <sub>2</sub>	12.50	.03	15.00
Steel plate.....	3,000 pounds.....	.02 <sup>1</sup> / <sub>2</sub>	60.00	.02 <sup>3</sup> / <sub>4</sub>	82.50
Sheet iron:					
Plain.....	100 pounds.....	.03 <sup>1</sup> / <sub>4</sub>	3.25	.03 <sup>1</sup> / <sub>4</sub>	3.25
Galvanized.....	800 pounds.....	.03 <sup>9</sup> / <sub>10</sub>	28.80	.04	32.00
Sheet lead.....	100 pounds.....	.07	7.00	.07	7.00
Sheet copper.....	50 pounds.....	.19 <sup>1</sup> / <sub>2</sub>	9.75	.18	9.00
Sheet brass.....	200 pounds.....	.17	34.00	.15	30.00
Muntz metal.....	100 pounds.....	.17 <sup>1</sup> / <sub>2</sub>	17.25	.20	20.00
Best Magnolia babbitt metal.....	600 pounds.....	.23	138.00	.20	120.00
Cold rolled steel.....	50 pounds.....	.03 <sup>1</sup> / <sub>2</sub>	1.75	.04	2.00
Asbestos mill board.....	do.....	.03 <sup>1</sup> / <sub>4</sub>	1.63	.06	3.00
Pipe:					
Brass.....	100 pounds.....	.20 <sup>1</sup> / <sub>2</sub>	20.75	.22	22.00
Copper.....	50 pounds.....	.25 <sup>1</sup> / <sub>2</sub>	12.63	.24 <sup>1</sup> / <sub>2</sub>	12.25
Lead.....	100 pounds.....	.06 <sup>1</sup> / <sub>2</sub>	6.50	.07	7.00
Iron.....	1,000 pounds.....	.04	40.00	.04 <sup>1</sup> / <sub>2</sub>	45.00
Galvanized iron.....	500 pounds.....	.05 <sup>1</sup> / <sub>2</sub>	26.25	.05 <sup>1</sup> / <sub>2</sub>	26.25
Pipe fittings:					
Brass.....	100 pounds.....	.43 <sup>1</sup> / <sub>10</sub>	43.70	.40	40.00
Iron.....	500 pounds.....	.09 <sup>1</sup> / <sub>2</sub>	46.25	.08	40.00
Galvanized iron.....	100 pounds.....	.11 <sup>1</sup> / <sub>2</sub>	11.50	.10	10.00
Castings:					
Iron (not propeller wheels), plain, including mold, no core.....	25,000 pounds.....	.03	750.00	.02 <sup>3</sup> / <sub>4</sub>	687.50
Iron cored (not propeller wheels), including core and mold.....	10,000 pounds.....	.03 <sup>1</sup> / <sub>2</sub>	325.00	.03 <sup>1</sup> / <sub>2</sub>	350.00
Loam.....	500 pounds.....	.04 <sup>1</sup> / <sub>2</sub>	21.25	.04	20.00
Yellow brass, including core and mold.....	1,000 pounds.....	.22 <sup>1</sup> / <sub>2</sub>	225.00	.20	200.00
White brass.....	50 pounds.....	.31	15.50	.30	15.00
Steel, including core and mold (not propeller wheels).....	12,000 pounds.....	.06 <sup>1</sup> / <sub>2</sub>	780.00	.06	720.00
Brass rods.....	50 pounds.....	.16 <sup>1</sup> / <sub>2</sub>	8.25	.15	7.50
Steel bars for machine work.....	4,000 pounds.....	.02 <sup>3</sup> / <sub>4</sub>	110.00	.03	120.00
Atlantic white lead.....	200 pounds.....	.07	14.00	.06	12.00
Red lead, mixed.....	25 gallons.....	.69	17.25	.60	15.00
Black paint, mixed.....	do.....	.57 <sup>1</sup> / <sub>2</sub>	14.38	.50	12.50
Putty:					
White.....	75 pounds.....	.02 <sup>1</sup> / <sub>2</sub>	1.88	.02	1.50
Red lead.....	150 pounds.....	.06 <sup>1</sup> / <sub>2</sub>	9.75	.08	12.00
Linseed oil:					
Raw.....	25 gallons.....	.63 <sup>1</sup> / <sub>2</sub>	15.81	.50	12.50
Boiled.....	do.....	.64 <sup>4</sup> / <sub>10</sub>	16.10	.51	12.75
Solder.....	25 pounds.....	.20 <sup>1</sup> / <sub>10</sub>	5.18	.18	4.50
Shellac.....	5 gallons.....	2.99 <sup>1</sup> / <sub>10</sub>	14.95	3.00	15.00
Turpentine.....	10 gallons.....	.68 <sup>1</sup> / <sub>2</sub>	6.85	.45	4.50
Lamp oil.....	do.....	.12 <sup>1</sup> / <sub>2</sub>	1.25	.11	1.10
Tallow.....	10 pounds.....	.08	.80	.06	.60
Cotton waste.....	150 pounds.....	.04 <sup>1</sup> / <sub>2</sub>	6.75	.06	9.00
Fire bricks.....	1,000.....	1.03 <sup>1</sup> / <sub>2</sub>	32.50	1.03	30.00
Fresh water.....	2,000 gallons.....	2.00 <sup>1</sup> / <sub>2</sub>	.01	2.00 <sup>1</sup> / <sub>2</sub>	.01
Steam tube.....	200 feet.....	.35 <sup>1</sup> / <sub>2</sub>	70.50	.04	8.00
Boiler tube.....	do.....	.20 <sup>1</sup> / <sub>2</sub>	41.00	.19	38.00
White pine logs for buoys, sticks trimmed of knots but not dressed, 30 to 50 feet long, not less than 6 inches in diameter at small end.....	500 feet.....	2.86	430.00	2.35	175.00
Packing:					
Genuine Rainbow.....	100 pounds.....	.61	61.00	.45	45.00
Genuine Usudurian.....	50 pounds.....	.69	34.50	.45	22.50
Gum.....	do.....	.15 <sup>1</sup> / <sub>2</sub>	7.75	.18	9.00
Soft.....	do.....	.13 <sup>9</sup> / <sub>10</sub>	6.90	.30	15.00
Canvas No. 6.....	50 yards.....	.20 <sup>1</sup> / <sub>2</sub>	10.38	.17	8.50

<sup>1</sup> Each.<sup>2</sup> Per 1,000 gallons.<sup>3</sup> Per linear foot.

*Abstract of proposals for furnishing labor and materials for emergency repairs to the United States floating plant on Delaware River belonging to the United States Engineer Department, opened October 25, 1909, by Maj. Herbert Deakyn, Corps of Engineers—Con.*

	Approximate quantities.	Names and addresses of bidders.			
		(1) Kensington Shipyard Co., Philadelphia, Pa.		(2) Quigley, Davis & Dorp, Camden, N. J.	
		Price per unit.	Total.	Price per unit.	Total.
MATERIALS—continued.					
Washers:					
Wrought iron.....	200 pounds.....	\$0.05 <sup>1</sup>	\$10.50	\$0.05	\$10.00
Galvanized iron.....	10 pounds.....	.06 <sup>1</sup>	.65	.07	.70
Saucer rings:					
Iron.....	.....do.....	.06 <sup>1</sup>	.66	.06	.60
Galvanized iron.....	.....do.....	.07 <sup>1</sup>	.72	.06 <sup>1</sup>	.63
Best tool steel.....	200 pounds.....	.10	20.00	.09	18.00
Oak wedges.....	300.....	1 3.45	10.35	1 1.00	3.00
Hackmatack knees, 6-inch.....	10.....	2 4.00	40.00	2 1.50	15.00
Candles, tallow, about 4 inches long.....	600.....	2 .07	3.50	2 .08	4.00
Sandpaper.....	200 sheets.....	.00 <sup>1</sup>	1.20	.01	2.00
Portland cement.....	10 barrels.....	1.95	19.50	1.50	15.00
Sheet asbestos.....	200 pounds.....	.02 <sup>1</sup>	5.80	.04	8.00
Grommets.....	500.....	3 .06 <sup>1</sup>	2.88	2 .07	2.92
Iron split pins.....	100 pounds.....	.09 <sup>1</sup>	9.75	.12	12.00
Fire clay.....	3,000 pounds.....	.01 <sup>1</sup>	37.50	.01	30.00
Felt.....	200 sheets.....	.04 <sup>1</sup>	9.00	.05	10.00
Emery cloth, ordinary size and quality.....	50 sheets.....	.02 <sup>1</sup>	1.45	.04	2.00
White-pine spiles, ordinary size.....	5,000.....	1 .07	3.50	1 .06	3.00
Propeller wheels (template and pattern furnished by the United States):					
Cast-steel bored and key-seated, all complete.....	500 pounds....	.08 <sup>1</sup>	42.50	.08	40.00
Cast-iron, bored and key-seated, all complete.....	.....do.....	.05 <sup>1</sup>	27.50	.05 <sup>1</sup>	27.50
USE OF TOOLS AND APPLIANCES.					
Large lathe, with tools (size: No. 1, from 24-inch swing, 10-foot centers, to 78-inch swing, 30-foot centers; No. 2, 16-inch up to 58-inch swing and 4 feet to 25 feet long).	1,500 hours....	.20	300.00	.25	375.00
Small lathe, with tools (size—No. 1, 21-inch swing, 9-foot centers; No. 2, up to 15-inch swing and 3 feet long).	200 hours.....	.05	10.00	.05	10.00
Large drill press (size—No. 1, from 3-foot 8-inch raise, 4-foot 8-inch radius, to 5-inch raise, 26-foot radius; No. 2, 1 <sup>1</sup> / <sub>2</sub> -inch hole up to 8-inch hole).	700 hours.....	.20	140.00	.25	175.00
Small drill press (size—No. 1, 17-inch and 24-inch table; No. 2, up to 1 <sup>1</sup> / <sub>2</sub> -inch hole).	100 hours.....	.05 <sup>1</sup>	5.50	.05	5.00
Large planer (size—No. 1, 11-foot table, open side, and 16-foot table, open side; No. 2, from 13 to 38 inches wide, from 2 to 30 feet long).	500 hours.....	.25	125.00	.25	125.00
Small planer (size—No. 1, 8-foot table, 28 inches wide; No. 2, up to 12 inches wide and 2 feet long).	100 hours.....	.12 <sup>1</sup>	12.50	.10	10.00
Punching machine.....	.....do.....	.23	23.00	.10	10.00
Shearing machine (size—No. 1, 1 <sup>1</sup> / <sub>2</sub> -inch plate, 23 <sup>1</sup> / <sub>2</sub> -inch gap; No. 2, shear up to 1 inch thick).	.....do.....	.23	23.00	.10	10.00
Bolt cutter.....	.....do.....	.12 <sup>1</sup>	12.50	.12 <sup>1</sup>	12.50
Pipe cutter.....	.....do.....	.12 <sup>1</sup>	12.50	.05	5.00
Shaping machine (size—No. 1, 15 and 20 inch stroke; No. 2, 16-inch stroke).	.....do.....	.07 <sup>1</sup>	7.50	.10	10.00
Boring machine, with tools.....	.....do.....	.20	20.00	.15	15.00
Circular saw, wood.....	.....do.....	.20	20.00	.05	5.00
Planer, wood.....	50 hours.....	.12	6.00	.05	2.50
Band saw, wood.....	.....do.....	.10	5.00	.05	2.50
Shop crane.....	100 hours.....	.01	1.00	.01	1.00
Shear legs.....	.....do.....	.01	1.00	.01	1.00
Rigging and chains.....	200 hours.....	.01	2.00	.05	10.00
Steam hammer, with tools.....	150 hours.....	.15	22.50	.15	22.50
Bending rolls.....	100 hours.....	.10	10.00	.05	5.00
Bending machine.....	.....do.....	.25	25.00	.05	5.00
Bending furnace.....	.....do.....	.40	40.00	.35	35.00
Trucks.....	200 hours.....	.01	2.00	.01	2.00
Running shop engine overtime.....	.....do.....	.50	100.00	.50	100.00

<sup>1</sup> Per 100.<sup>2</sup> Each.<sup>3</sup> Per dozen.

*Abstract of proposals for furnishing labor and materials for emergency repairs to the United States floating plant on Delaware River belonging to the United States Engineer Department, opened October 25, 1909, by Maj. Herbert Deakyne, Corps of Engineers—Con.*

	Approximate quantities.	Names and addresses of bidders.			
		(1) Kensington Shipyard Co., Philadelphia, Pa.		(2) Quigley, Davis & Dorp, Camden, N. J.	
		Price per unit.	Total.	Price per unit.	Total.
USE OF TOOLS AND APPLIANCES—cont'd.					
Jacks.....	100 hours.....	\$0.01	\$1.00	\$0.01	\$1.00
Derrick scow.....	150 hours.....	.40	60.00	.25	37.50
Lighters.....	100 hours.....	.40	40.00	.30	30.00
Floating stages.....	200 hours.....	.01	2.00	.05	10.00
Steam winch.....	100 hours.....	.50	50.00	.05	5.00
Deck scow.....	200 hours.....	.40	80.00	.10	20.00
Slotter.....	100 hours.....	.12½	12.50	.10	10.00
Riveting forge.....	400 hours.....	.10	40.00	.05	20.00
Wood-turning lathe.....	100 hours.....	.15	15.00	.05	5.00
Oil blast furnace.....	do.....	1.50	150.00	.35	35.00
Derrick poles.....	do.....	.25	25.00	.10	10.00
Hose.....	do.....	.10	10.00	.10	10.00
Large shears.....	50 hours.....	1.75	87.50	.01	.50
Boom derrick.....	100 hours.....	1.75	175.00	.25	25.00
Pole derrick.....	do.....	.25	25.00	.01	1.00
NOTE.—Bidders will give the sizes of lathes, drill presses, planers, shearing and shaping machines.					
FOR USE OF AIR TOOLS.					
Air-operated riveting hammers.....	1,500 hours.....	.15	225.00	.15	225.00
Air-operated chipping or calking tools.....	do.....	.08	120.00	.10	150.00
Air-operated steel twist drills.....	do.....	.15	225.00	.20	300.00
Air-operated wood augers.....	200 hours.....	.15	30.00	.15	30.00
Air compressor.....	100 hours.....	2.50	250.00	.75	75.00
Hauling out steamers Vidette, Philadelphia, Humphreys, and launch Schuylkill, on railway.	10 hauls.....	<sup>1</sup> 6.00	60.00	<sup>1</sup> 12.00	120.00
Lay days, per day for each vessel named above.	10.....	6.00	60.00	6.00	60.00
Hauling out scows or dredges less than 100 feet long.	5 hauls.....	<sup>1</sup> 6.00	30.00	<sup>1</sup> 12.00	60.00
Lay days for scows or dredges less than 100 feet long, per lay day.	5.....	6.00	30.00	6.00	30.00
Hauling out scows or dredges over 100 feet long.	5 hauls.....	<sup>1</sup> 9.00	45.00	<sup>1</sup> 18.00	90.00
Lay days for scows or dredges over 100 feet long, per lay day.	10.....	9.00	90.00	9.00	90.00
Hauling out pontoons less than 25 feet long.	30 hauls.....	<sup>1</sup> 1.00	30.00	<sup>1</sup> 5.00	150.00
Lay days for pontoons less than 25 feet long, per lay day.	5.....	1.00	5.00	2.50	12.50
Total.....			21,974.72		20,795.82

<sup>1</sup> Each.

Contract (dated Nov. 6, 1909) entered into with Quigley, Davis & Dorp.

#### WRECKES.

*Abstract of proposals for removal of steamer "Shearwater," lying in Delaware River opposite Chestnut Street, Philadelphia, Pa., opened August 2, 1909, by Maj. Herbert Deakyne, Corps of Engineers.*

No.	Names and addresses of bidders.	Price.	Time.
1	John L. Mills, Philadelphia, Pa.....	\$3,250.00	30 days.
2	G. M. Van Sant, Atlantic City, N. J.....	4,750.00	Do.
3	Fred. Craemer, Philadelphia, Pa.....	2,400.00	Do.
4	Jesse A. Gray, Philadelphia, Pa.....	1,848.00	Do.
5	Johnston & Virden, Lewes, Del.....	989.00	Do.
6	John F. Baxter, New York, N. Y.....	1,485.00	Do.
7	Merritt & Chapman Derrick & Wrecking Co., New York, N. Y.....	2,974.00	Do.

Emergency contract (dated Aug. 4, 1909) entered into with Johnston & Virden.

## WILMINGTON (DEL.) DISTRICT.

(Officer: Maj. R. R. Raymond, Corps of Engineers.)

## RIVERS AND HARBORS.

*Abstract of proposals for dredging Mispillion and Appoquinimink Rivers, Del., received by Maj. R. R. Raymond, Corps of Engineers, Wilmington, Del., and opened May 24, 1910.*

No.	Names and addresses of bidders.	Mispillion River, Del., at per cubic yard place measurement.	Appoquinimink River, Del., at per cubic yard place measurement.	Quantity of material that can be dredged at prices bid.
		<i>Cents.</i>	<i>Cents.</i>	<i>Cubic yards.</i>
1	River & Harbor Improvement Co., Philadelphia, Pa. ....	22	14.0	1 13,606 2 17,850
2	The Rickards Dredging Co., Philadelphia, Pa. <sup>3</sup> .....	15	12.8	1 20,000 2 19,530

<sup>1</sup> Mispillion River.<sup>2</sup> Appoquinimink River.<sup>3</sup> Lowest; accepted.

*Abstract of proposals for dredging Mispillion and Appoquinimink Rivers, Del., received by Maj. R. R. Raymond, Corps of Engineers, Wilmington, Del., and opened March 18, 1910.*

No.	Names and addresses of bidders.	Mispillion River, Del., at per cubic yard place measurement.	Appoquinimink River, Del., at per cubic yard place measurement.	Quantity of material that can be dredged at prices bid.
		<i>Cents.</i>	<i>Cents.</i>	<i>Cu. yds.</i>
1	Miner Engineering Co., Washington, D. C. <sup>1</sup> .....	18	18	30,833
2	River & Harbor Improvement Co., Philadelphia, Pa. <sup>2</sup> .....	40	14	25,857

<sup>1</sup> Conditional upon award of contract for dredging St. Jones and Murderkill Rivers, Del., also.<sup>2</sup> Will begin work July 1, 1910; specifications require work to be begun within 30 days after notification of approval of contract; both rejected.

*Abstract of proposals for dredging St. Jones and Murderkill Rivers, Del., received by Maj. R. R. Raymond, Corps of Engineers, Wilmington, Del., and opened March 18, 1910.*

No.	Names and addresses of bidders.	St. Jones River, Del., at per cubic yard place measurement.	Murderkill River, Del., at per cubic yard place measurement.	Quantity of material that can be dredged at prices bid.
		<i>Cents.</i>	<i>Cents.</i>	<i>Cu. yds.</i>
1	The Rickards Dredging Co., Philadelphia, Pa. ....	14.0	14.0	43,571
2	River & Harbor Improvement Co., Philadelphia, Pa. <sup>1</sup> .....	11.8	10.9	53,829
3	Miner Engineering Co., Washington, D. C. <sup>2</sup> .....	18.0	18.0	33,889

<sup>1</sup> Lowest; accepted.<sup>2</sup> Conditional upon award of contract for dredging Mispillion and Appoquinimink Rivers, Del., also.

*Abstract of proposals for purchase of two parcels of land on banks of Government cut-off on Mantua Creek, N. J., received by Maj. R. R. Raymond, Corps of Engineers, Wilmington, Del., and opened March 2, 1910.*

No.	Names and addresses of bidders.	For parcel No. 1.	For parcel No. 2.	For parcels Nos. 1 and 2 combined.
1	Howard W. Miller, Paulsboro, N. J.....	\$50. 00	.....	.....
2	American Dredging Co., Philadelphia, Pa.....	.....	\$100. 00	.....
3	Charles N. Salisbury, Paulsboro, N. J.....	2, 100. 00	.....	.....

NOTE.—Check for \$200 submitted with bid in each case.

*Abstract of proposals for furnishing stone and placing it in jetty at mouth of Broadkill River, Del., received by Capt. L. H. Rand, Corps of Engineers, Wilmington, Del., and opened July 27, 1909.*

No.	Names and addresses of bidders.	Furnishing stone in place at per ton of 2,000 pounds.	Time of —	
			Beginning work after date of contract.	Completion of work after date of contract.
1	S. A. Bailey, New York, N. Y.....	\$3. 67	10 days....	6 weeks.
2	Latta & Terry Construction Co., Philadelphia, Pa.....	1 3. 35	...do.....	Do.
3	Bennett, Brown & Bennett (Inc.), Wilmington, Del.....	4. 98	...do.....	Do.

<sup>1</sup> Lowest; accepted.

*Abstract of proposals for dredging in Alloway Creek, N. J., received by Capt. L. H. Rand, Corps of Engineers, Wilmington, Del., and opened December 13, 1909.*

No.	Names and addresses of bidders.	For dredging per cubic yard place measurement.	Time of —	
			Beginning after notification of approval of contract.	Completion after starting work.
1	The Rickards Dredging Co., Philadelphia, Pa.....	Cents. 1 12 5	30 days....	3 months.
2	River & Harbor Improvement Co., Philadelphia, Pa.....	18. 9	...do.....	Do.

<sup>1</sup> Lowest; accepted.

*Abstract of proposals for dredging Appoquinimink and Mispillion Rivers, Del., received by Capt. L. H. Rand, Corps of Engineers, Wilmington, Del., and opened July 21, 1909.*

No.	Names and addresses of bidders.	Dredging Appoquinimink River, Del., at per cubic yard place measurement.	Dredging Mispillion River, Del., at per cubic yard place measurement.	Time of —	
				Beginning work after date of contract.	Completion of work after date of contract.
1	Pennsylvania Dredging Co., Camden, N. J.....	Cents. 1 12	Cents. 1 20	10 days..	3 months
2	River and Harbor Improvement Co., Philadelphia, Pa.....	14	30	...do....	Do.

<sup>1</sup> Lowest; accepted.

*Abstract of proposals for dredging Truckerton Creek, N. J., received by Capt. L. H. Rand, Corps of Engineers, Wilmington, Del., and opened July 8, 1909.*

No.	Names and addresses of bidders.	For dredging, per cubic yard place measurement.	Time of—	
			Beginning work after date of notification of approval of contract.	Completion of work after date of notification of approval of contract.
1	Pennsylvania Dredging Co., Camden, N. J. ....	<i>Cents.</i> 1 25.0	30 days....	5 months.
2	River & Harbor Improvement Co., Philadelphia, Pa. ....	26.9	...do.....	Do.

<sup>1</sup> Lowest; accepted.

*Abstract of proposals for dredging Cooper Creek, N. J., received by Capt. L. H. Rand, Corps of Engineers, Wilmington, Del., and opened August 9, 1909.*

No.	Names and addresses of bidders.	For dredging, per cubic yard place measurement.	Time of—	
			Beginning after notification of approval of contract.	Completion after starting work.
1	American Dredging Co., Philadelphia, Pa. ....	<i>Cents.</i> 28.0	30 days....	4 months.
2	River & Harbor Improvement Co., Philadelphia, Pa. ....	26.8	...do.....	Do.
3	The Rickards Dredging Co., Philadelphia, Pa. ....	<sup>1</sup> 19.0	60 days....	Do.

<sup>1</sup> Lowest; accepted.

*Abstract of proposals for dredging Smyrna, St. Jones, and Murderkill Rivers, Del., received by Capt. L. H. Rand, Corps of Engineers, Wilmington, Del., and opened July 2, 1909.*

No.	Names and addresses of bidders.	Dredging Smyrna River, Del., at per cubic yard place measurement.	Dredging St. Jones River, Del., at per cubic yard place measurement.	Dredging Murderkill River, Del., at per cubic yard place measurement.	Time of—	
					Beginning work after date of contract.	Completion of work after date of contract.
1	Pennsylvania Dredging Co., Camden, N. J. ....	<i>Cents.</i> 18.0	<i>Cents.</i> 14.5	<i>Cents.</i> 14.0	10 days..	3 months.
2	River & Harbor Improvement Co., Philadelphia, Pa. ....	<sup>1</sup> 17.0	<sup>1</sup> 13.9	12.9	...do....	Do.

<sup>1</sup> Lowest; accepted.



*Abstract of proposals for furnishing and delivering one power boat at Wilmington, Del., received by Maj. R. R. Raymond, Corps of Engineers, and opened May 11, 1910.*

No.	Names and addresses of bidders.	Name of boat.	To sell for the sum of—	To be chartered for trial for the sum of—
1	James K. Clarke, Ardmore, Pa. ....	Gannet.....	<sup>1</sup> \$11,000	\$30 per day.
2	Capt. Max Zwickl, New Durham, N. J. ....	Hydraulic.....	<sup>2</sup> 9,000	\$35 per day.
3	Murray & Tregurtha Co., South Boston, Mass. ....	Tyche.....	16,800	( <sup>3</sup> )
4	Robert More, Bridgeton, N. J. ....	Mariada.....	12,500	\$25 per day.
5	Daniel R. Sortwell, Boston, Mass. ....	Waywassimo.....	<sup>3</sup> 5,100	\$20 per day.
INFORMAL.				
6	L. L. Driggs & Co., New York, N. Y. ....	Winning.....	<div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">{</div> <div> <sup>2</sup> 6,000  <sup>2</sup> 8,300  <sup>2</sup> 8,800  11,500  13,235 </div> <div style="margin-left: 5px;">}</div> </div>	( <sup>4</sup> )
7	The Matthews Boat Co., Port Clinton, Ohio.....	Boat to be built...	<div style="display: flex; align-items: center;"> <div style="margin-right: 5px;">{</div> <div> 13,300  13,300  11,335 </div> <div style="margin-left: 5px;">}</div> </div>	( <sup>5</sup> )
8	Burcher & Bros., Philadelphia, Pa. ....	( <sup>4</sup> )	( <sup>4</sup> )	( <sup>4</sup> )

<sup>1</sup> Accepted.

<sup>2</sup> Not of description called for and required.

<sup>3</sup> Not given; see accompanying letter.

<sup>4</sup> Not given.

#### WRECKS.

*Abstract of proposals for removing part of wreck of bark Charles Loring, lying sunk in entrance of Barnegat Inlet, N. J., received by Maj. R. R. Raymond, Corps of Engineers, at Wilmington, Del., and opened April 2, 1910.*

No.	Names and addresses of bidders.	Price.	Time of—	
			Beginning work after date of notification of acceptance of proposal.	Completion of work after date of notification of acceptance of proposal.
1	N. B. Register, Lewes, Del. ....	\$473.00	10 days....	15 days.
2	Johnston & Virden, Lewes, Del. ....	747.00	do.....	10 days.
3	Eugene Boehm, Atlantic City, N. J. ....	1 420.00	do.....	15 days.

<sup>1</sup> Lowest, accepted.

*Abstract of proposals for removing wreck of barge Lydia & Mary, lying sunk in Woodbury Creek, N. J., received by Maj. R. R. Raymond, Corps of Engineers, at Wilmington, Del., and opened March 24, 1910.*

No.	Names and addresses of bidders.	Price.	Time of—	
			Beginning work after date of notification of acceptance of proposal.	Completion of work after date of notification of acceptance of proposal.
1	John J. Williams, Chester, Pa. ....	\$450.00	10 days....	14 days.
2	N. B. Register, Lewes, Del. ....	513.00	do.....	30 days.
3	Joseph B. Best, Woodbury, N. J. ....	350.00	do.....	10 days.
4	Johnston & Virden, Lewes, Del. ....	575.00	do.....	12 days.
5	Jesse A. Gray, Philadelphia, Pa. ....	<sup>1</sup> 242.00	3 days....	10 days.

<sup>1</sup> Lowest; accepted.

*Abstract of proposals for removing wreck of schooner William D. Rambo, lying sunk in channel of Broadkill River, Del., received by Capt. L. H. Rand, Corps of Engineers, at Wilmington, Del., and opened January 28, 1910.*

No.	Names and addresses of bidders.	Price.	Time of—	
			Beginning work after date of notification of acceptance of proposal.	Completion of work after date of notification of acceptance of proposal.
1	Johnston & Virden, Lewes, Del.....	\$223. 00	15 days...	40 days.
2	Frank R. Jones, Wilmington, Del.....	545. 00	...do.....	Do.
3	Edward E. Graham, Wilmington, Del.....	250. 00	...do.....	Do.
4	John W. Marshall, Lewes, Del.....	383. 00	...do.....	Do.
5	Jesse A. Gray, Philadelphia, Pa.....	748. 00	...do.....	Do.
6	Eugene Beehm, Atlantic City, N. J.....	272. 00	...do.....	Do.
7	N. B. Register, Lewes, Del.....	<sup>1</sup> 217. 00	...do.....	Do.
8	C. N. Van Sant, Atlantic City, N. J.....	786. 00	...do.....	Do.

<sup>1</sup> Lowest; accepted.

### BALTIMORE (MD.) DISTRICT.

[Officer: Col. Thos. L. Casey, Corps of Engineers.]

#### RIVERS AND HARBORS.

*Abstract of proposals for dredging in York Spit section of channel leading to harbor at Baltimore, Md., opened at 1 o'clock p. m., November 30, 1909, by Maj. W. E. Craighill, Corps of Engineers, under advertisement dated October 29, 1909.*

[Appropriation: Improving Patapsco River, Md. (York Spit section).]

No.	Name and address of bidder.	Price per cubic yard.	Total.
I	Maryland Dredging & Contracting Co., Baltimore, Md.....	<i>Cents.</i> 23	\$92,000. 00

Date of completion, six calendar months after date of notification of approval of contract by the Chief of Engineers.

Originally estimated cost of the work, 23 cents per cubic yard.

Approximate quantity, 400,000 cubic yards.

Contract awarded to the Maryland Dredging & Contracting Co., lowest and only bidder.

### WASHINGTON (D. C.) DISTRICT.

[Officer: Capt. W. T. Hannum, Corps of Engineers.]

#### RIVERS AND HARBORS.

*Abstract of proposals for dredging in James River, Va., received in response to advertisement dated May 17, 1910, and opened at the United States engineer office, Washington, D. C., at 12 meridian, May 24, 1910, by Capt. Warren T. Hannum, Corps of Engineers.*

[Preservation and maintenance of river and harbor works, James River, Va.]

Names and addresses of bidders.	Items.	Amount per cubic yard.
		<i>Cents.</i>
Miner Engineering Co., Washington, D. C.....	Less than 30,000 cubic yards.....	28
	More than 30,000 and less than 40,000 cubic yards.....	26
	More than 40,000 cubic yards.....	25
P. Sanford Ross (Inc.), Jersey City, N. J.....		41½

Previously estimated cost, \$8,500.

*Abstract of proposals for dredging in Breton Bay, Md., Pamunkey and Mattaponi Rivers, Va., received in response to advertisement dated June 2, 1909, and opened at the United States engineer office, Washington, D. C., at 12 meridian, July 2, 1909, by Maj. Jay J. Morrow, Corps of Engineers.*

[Preservation and maintenance of river and harbor works, Breton Bay, Md., Pamunkey and Mattaponi Rivers, Va.]

Items.	(1) Atlantic Dredging Co., Philadelphia, Pa.		(2) Miner Engineering Co., Washington, D. C.	
	Unit.	Total.	Unit.	Total.
Dredging in Breton Bay, Md., estimated at 12,000 cubic yards.	\$0.19	\$2,280.00	\$0.11	\$1,320.00
Dredging in Pamunkey River, Va., estimated at 15,000 cubic yards.	.29½	5,100.00	.19	2,850.00
Dredging in Mattaponi River, Va., estimated at 15,000 cubic yards.	.29½	5,100.00	.23	3,450.00

Contract approved August 28, 1910.

Date of commencement of contract, July 21, 1909.

Date of completion of contract, February 10, 1910.

*Abstract of proposals for furnishing, delivering, and unloading building stone and Portland cement in Potomac Park, received in response to advertisement dated February 10, 1910, and opened at the United States engineer office, Washington, D. C., at 12 m., March 14, 1910, by Maj. Jay J. Morrow, Corps of Engineers.*

[Preservation and maintenance of river and harbor works, Potomac River at Washington, D. C. Improving Potomac River.]

No.	Name and addresses of bidders.	2,500 yards building stone.		2,000 barrels Portland cement.					
		Per yard.	Total.	Brand.	Per barrel.	Allowance for sacks.		Net price per barrel.	Total.
						Good condition.	Repairable condition.		
1	The M. McManus Contracting Co., Philadelphia, Pa.	\$7.45	\$18,625.00	Universal.....	\$1.55	\$0.07½	.....	\$1.25	\$2,500.00
2	Lehigh Portland Cement Co., Allentown, Pa.	27.95	19,875.00	Lehigh.....	1.39	.07½	\$0.07½	1.09	2,180.00
3	Wm. Wirt Clarke & Son, Baltimore, Md.	.....	.....	Northampton..	1.39	.07	.....	1.11	2,220.00
4	National Electrical Supply Co., Washington, D. C.	.....	.....	Security.....	1.37	.07½	.05	1.07	2,140.00
5	The Atlas Portland Cement Co., New York, N. Y.	.....	.....	Atlas.....	1.41	.07½	.07½	1.11	2,220.00
6	The Grove Lime & Coal Co., Washington, D. C.	.....	.....	Alpha.....	1.44	.07½	.06	1.14	2,280.00
7	McClenahan Granite Co., Port Deposit, Md.	3.38	8,450.00	.....	.....	.....	.....	1.20	2,400.00
8	Columbia Granite & Dredging Co., Washington, D. C.	2.20	5,500.00	Giant, Atlas, or Pennsylvania.	1.41	.07½	.07½	1.11	2,220.00
9	National Mortar Co., Washington, D. C.	.....	.....	Old Dominion.	1.37	.07½	.06	1.07	2,140.00
10	T. Edward Clark, Washington, D. C.	.....	.....	Edison.....	1.41	.07½	.....	1.13	2,260.00
	Previously estimated cost....	.....	6,000.00	.....	.....	.....	.....	1.11	2,220.00
									2,500.00

<sup>1</sup> Conshohocken stone.

<sup>2</sup> Perryville stone.

Contract approved April 23, 1910, with Columbia Granite & Dredging Co.

Contract approved April 27, 1910, with National Mortar Co.

Columbia Granite & Dredging Co. commenced delivery May 5, 1910.

National Mortar Co. commenced delivery on April 4, 1910.

Previously estimated cost of building stone, \$6,000; cement, \$2,500.

*Abstract of proposals for stilling boxes for sand washers, sand ejectors, sand injectors, and spare parts, received in response to public notice dated April 29, 1910, and opened at the United States engineer office, Washington, D. C., at 10 a. m., May 13, 1910, by Capt. Warren T. Hannum, Corps of Engineers.*

[Maintenance, Washington Aqueduct, D. C., filtration plant, 1910, and maintenance, Washington Aqueduct, D. C., filtration plant, 1911.]

Names and addresses of bidders.	Amount.
Thos. C. Bassher & Co., Baltimore, Md.....	\$4,504.00
E. J. Codd Co., Baltimore, Md.....	4,734.55
New Jersey Foundry & Machine Co., New York, N. Y.....	5,158.00
Fred S. Gichner, Washington, D. C.....	3,659.90
G. W. Forsberg, Washington, D. C.....	4,491.00
Allen Pope, Washington, D. C.....	3,674.00
Fred J. White, Washington, D. C.....	5,543.00

Previously estimated cost, \$2,330.

*Abstract of proposals for furnishing and delivering 3,600 tons, more or less, of bituminous coal at the Washington filtration plant, Washington, D. C., during the fiscal year 1910, received in response to advertisement dated May 17, 1909, and opened at the United States engineer office, Washington, D. C., at 12 noon, June 16, 1909, by Maj. Jay J. Morrow, Corps of Engineers.*

[Maintenance, Washington Aqueduct, D. C., filtration plant, 1910.]

No.	Names and addresses of bidders.	Name of coal and location.	British thermal units.	Ash in dry coal.	Volatile matter.	Sulphur.	Per ton.	Total.
				<i>Per cent</i>	<i>Per cent.</i>	<i>Per cent</i>		
1	J. Maury Dove Co., Washington, D. C.	Big Vein Georges Creek, Frostburg, Md.	14,350	7.00	16.00-19.00	1 0.95	\$3.64	\$13,104.00
		Jenner, Jenner, Pa.	14,200	6.00	16.00-19.00	1.95	3.42	12,348.00
2	J. Edw. Chapman, Washington, D. C.	Big Vein Georges Creek, Allegheny County, Md.	14,250	6.99	18.00	.90	3.47	12,492.00
		Jenner, Somerset County, Pa.	14,200	6.99	17.50	1.00	3.22	11,592.00
3	Lynah & Read (Inc.), Baltimore, Md.	Anchor, Hooversville, Somerset County, Pa.	14,100	6.50	16.50	1.00	3.15	11,340.00
4	Boswell Coal Co., Baltimore, Md.	Quemahoning, Boswell, Pa.	14,000	8.00	17.00	.90	3.15	11,340.00
5	Maryland Coal & Coke Co., Baltimore, Md.	Climax Big Vein, Somerset County, Pa.	14,000	7.00	19.00	1.00	3.21	11,556.00
6	Moshannon Coal Mining Co. (Inc.), Philadelphia, Pa.	Standard, Somerset County, Pa.	14,000	8.25	17.00	1.25	2.97	10,692.00
7	Cumberland Basin Coal Co., Philadelphia, Pa.	Parker, Barrellville, Md.	14,400	6.00	18.00	1.00	3.70	13,320.00
8	Merchants Coal Co., Baltimore, Md.	Orenda, Boswell, Pa.	14,300	6.00	16.50	.008	3.15	11,340.00
		Jerome, Jerome, Pa.	14,300	6.00	16.50	.008	3.15	11,340.00
		Elk Lick, West Salisbury, Pa.	14,000	7.00	19.50	1.00	3.01	10,836.00
		Big Vein Georges Creek, Allegheny County, Md.	14,250	7.00	18.00	.90	3.40	12,240.00
9	Ward W. Griffith, Washington, D. C.	Jenner, Somerset County, Pa.	14,200	7.00	18.00	.90	3.15	11,340.00

<sup>1</sup> About.

Contract approved July 24, 1909.

## NORFOLK (VA.) DISTRICT.

[Officer: Lieut. Col. M. M. Patrick, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals received in response to advertisement, dated August 14, 1909, opened at 12 o'clock noon, September 16, 1909, by Maj. Mason M. Patrick, Corps of Engineers, at Engineer Office, United States Army, Norfolk, Va., for rock and earth excavation, removing bulkhead, extending flume, and revetting levee in Diversion Cut of Appomattox River, Va.*

No.	Names and addresses of bidders.	For excavation of earth from the channel and from under new highway bridge.			For excavation of rock near piers of railway bridge.		
		Approximate quantity (place measure).	Price bid per cubic yard.	Total cost at price bid.	Approximate quantity (place measure).	Price bid per cubic yard.	Total cost at price bid.
<sup>1</sup> 1	Johnston & Virden, Lewes, Del. ....	<i>Cu. yds.</i> 8,400	\$1.00	\$8,400.00	<i>Cu. yds.</i> 800	\$5.00	\$4,000.00
2	Atlantic Dredging Co., Philadelphia, Pa. ....	8,400	.63	5,292.00	800	9.20	7,360.00
<sup>2</sup> 3	L. M. Lewis Dredging Co. (Inc.), Norfolk, Va. ....	8,400	.50	4,200.00	800	10.00	8,000.00

No.	Names and addresses of bidders.	For excavation of rock other than near piers of railroad bridge.			For shaping up levee.		
		Approximate quantity (place measure).	Price bid per cubic yard.	Total cost at price bid.	Approximate quantity (place measure).	Price bid per cubic yard.	Total cost at price bid.
<sup>1</sup> 1	Johnston & Virden, Lewes, Del. ....	<i>Cu. yds.</i> 4,800	\$3.50	\$16,800.00	<i>Cu. yds.</i> 20,000	\$0.75	\$15,000.00
2	Atlantic Dredging Co., Philadelphia, Pa. ....	4,800	5.98	28,704.00	20,000	.48	9,600.00
<sup>2</sup> 3	L. M. Lewis Dredging Co. (Inc.), Norfolk, Va. ....	4,800	5.50	26,400.00	20,000	.50	10,000.00

No.	Names and addresses of bidders.	Price bid for removal of bulkhead.	For flume.		For revetment.			
			72 feet cast-iron pipe 24 inches in diameter.	Total cost at price bid.	Approximate quantity.	Price bid per square yard.	Total cost at price bid.	Aggregate cost of work.
<sup>1</sup> 1	Johnston & Virden, Lewes, Del. ....	\$1,800.00	\$25.00	\$1,800.00	<i>Sq. yds.</i> 3,000	\$3.00	\$9,000.00	\$56,800.00
2	Atlantic Dredging Co., Philadelphia, Pa. ....	900.00	17.00	1,224.00	3,000	2.60	7,800.00	60,880.00
<sup>2</sup> 3	L. M. Lewis Dredging Co. (Inc.) Norfolk, Va. ....	750.00	12.50	900.00	3,000	1.30	3,900.00	\$54,150.00

<sup>1</sup> Date of proposal omitted in guaranty.<sup>2</sup> Date of proposal in guaranty incorrect.<sup>3</sup> Accepted.

*Abstract of proposals received in response to written notice dated August 16, 1909, opened at 12 o'clock noon, September 4, 1909, by Maj. Mason M. Patrick, Corps of Engineers, at Engineer Office, U. S. Army, Norfolk, Va., for dredging Western Branch of Elizabeth River, Va.*

No.	Names and addresses of bidders.	Approximate quantity, seaw measure.	Price bid per cubic yard.	Total cost at price bid.	Price for board and lodging.
1	L. M. Lewis Dredging Co. (Inc.), Norfolk, Va.....	<i>Cu. yds.</i> 20,000	<i>Cents.</i> 11 $\frac{1}{10}$	\$2,260	\$20
2	Norfolk Dredging Co., Norfolk, Va.....	20,000	<sup>2</sup> 10 $\frac{1}{10}$	2,000	20

<sup>1</sup> Guaranty incomplete and evidence of authority of president to sign proposal not filed.

<sup>2</sup> Accepted.

*Abstract of proposals received in response to written notice dated February 7, 1910, and under specifications of the same date, opened at 12 o'clock noon, February 21, 1910, by Maj. Mason M. Patrick, Corps of Engineers, at Engineer Office, U. S. Army, Norfolk, Va., for repairing torpedo wharf at Fort Monroe, Va.*

No.	Name and address of bidder.	Removing all parts of broken piles, each.	Drawing and re-driving piles, each.	Furnishing and driving new piles.	Aggregate cost of repairs.
1	F. L. & J. W. Tennis, Hampton, Va.....	\$10.00	\$10.00	\$30.00	<sup>1</sup> \$400.00

<sup>1</sup> Accepted.

#### WRECKS.

*Abstract of proposals received in response to written notice dated August 5, 1909, opened at 12 o'clock noon, August 16, 1909, by Maj. Mason M. Patrick, Corps of Engineers, at Engineer Office, U. S. Army, Norfolk, Va., for removing wreck of the schooner "Wm. Henry," lying near beach northwardly from Baulch's dock, at Fort Monroe, Va.*

No.	Names and addresses of bidders.	Price bid.
1	Coastwise Dredging Co., Norfolk, Va.....	\$899.00
2	W. H. French, Norfolk, Va.....	960.00

Both bids rejected; contract made, dated August 24, 1909, upon verbal offer of W. C. Booker to do the work for \$450.



## WILMINGTON, (N. C.) DISTRICT.

[Officer: Capt. Earl I. Brown, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for 12,000 tons of stone, received in response to the annexed advertisement and publicly opened at Wilmington, N. C., at 12 o'clock noon, June 14, 1910, by Capt. Earl I. Brown, Corps of Engineers.*

[Appropriation for preservation and maintenance of river and harbor works. Allotment, Cape Fear River, N. C., at and below Wilmington.]

No.	Names and addresses of bidders.	Prices bid for—				Total.	Delivery.
		Large (2,000 tons).		Small (10,000 tons).			
		Unit.	Amount.	Unit.	Amount.		
1	Balfour Pink Granite Co., Salisbury, N. C.	\$1.40	\$2,800.00	\$1.40	\$14,000.00	\$16,800.00	F. o. b. cars.
21	The N. C. Granite Corporation, Mount Airy, N. C.	1.35	2,700.00	1.40	14,000.00	16,700.00	Do
31	Columbia Granite & Dredging Co., Washington, D. C.	2.24	4,480.00	2.24	22,400.00	26,880.00	F. o. b. vessel.
4	The Breakwater Co., Philadelphia, Pa.	1.97	3,940.00	1.97	19,700.00	23,640.00	Do.
5	John Monk & S. E. Morris, Norfolk, Va.	-----	-----	2.77½	27,750.00	27,750.00	Do.

## CHARLESTON (S. C.) DISTRICT.

[Officer: Capt. E. M. Adams, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for repairs to dredge Winyah Bay, received in response to poster and circular letter dated Charleston, S. C., July 9, 1909, and opened July 19, 1909, by Capt. Earl I. Brown, Corps of Engineers, Charleston, S. C.*

	(1) Saml. J. Pregnall, Charleston, S. C.	(2) Valk & Murdoch Iron Works, Charleston, S. C.	(3) Charleston Iron Works, Charleston, S. C.	(4) Merrill Stevens Co., Jacksonville, S. C.	(5) Kehoe Iron Works, Savannah, Ga.
Hauling out..... for..	\$25.00	\$25.00	\$25.00	\$45.80	\$25.00
Layage..... per day..	20.00	20.00	20.00	20.20	45.00
Foremen..... per hour..	.50	.50	.50	.60	.40
Ship carpenters..... do..	.45	.45	.45	.35	.35
Skilled laborers..... do..	.25	.25	.25	.20	.25
Common laborers..... do..	.20	.20	.20	.17½	.15
Calkers..... do..	.40	.40	.40	.35	.35
Oak (white)..... M feet..	60.00	60.00	60.00	50.00	80.00
Pine (yellow)..... do..	20.00	20.00	20.00	35.00	25.00
Oakum..... per 100 pounds..	8.00	8.00	8.00	8.00	7.50
Spikes, galvanized..... per pound..	.05	.05	.05	.05	.05½
Copper, sheet, 22 and 24 ounce..... do..	.18	.18	.18	.23	.20
Copper nails, 1½-inch..... do..	.18	-----	.18	.25	.22
Wedges..... each..	.03	.03	.03	.02	.04
Pitch..... per gallon..	.15	.15	.15	.20	.20
Galvanized iron tacks..... per pound..	.10	.10	.10	.12	.08
Wire nails..... do..	.03	.03	.03	.04	.03
Sheet lead..... do..	.07½	.07½	.07½	.09	.07½
Blacksmith and helper..... per hour..	1.00	1.00	1.00	.75	.80
Extra helper..... do..	.15	.15	.12	.25	.25
Foreman machinist..... do..	.50	.50	.50	.60	.50
Machinist..... do..	.50	.50	-----	.45	.40
Machinist helper..... do..	.28	.28	.28	.25	.20
Drill press..... do..	.50	.50	.50	.60	.20
Lathe..... do..	.70	.70	.70	.70	.20
Bolt machine..... do..	.30	.30	.30	.50	.20
Patternmaker..... do..	.50	.50	.35	.45	.40
Milling machine..... do..	.50	.50	.40	.80	.20
Coppersmith..... do..	.50	.50	.50	.45	.50
Boilermaker..... do..	.50	.50	.50	.45	.40
Helper to boilermaker..... do..	.28	.28	.28	.25	.20

*Abstract of proposals for repairs to dredge Winyah Bay, received in response to poster and circular letter dated Charleston, S. C., July 9, 1909, and opened July 19, 1909, by Capt. Earl I. Brown, Corps of Engineers, Charleston, S. C.—Continued.*

	(1) Saml. J. Pregall, Charleston, S. C.	(2) Valk & Murdoch Iron Works, Charleston, S. C.	(3) Charles-ton Iron Works, Charleston, S. C.	(4) Merrill-Stevens Co., Jacksonville, 'S. C.	(5) Kehoe Iron Works, Savannah Ga.
Bar iron (forging).....per pound..	\$0.02½	\$0.02½	\$0.02	\$0.03	\$0.06
Castings, ordinary.....do.....	.02-.03	.02-.03	.02½	.03	.02
Grate-bar castings.....do.....	.01½	.01½	.01½	.02½	.01½
Machine steel.....do.....	.02½	.02½	.02½	.03	.02½
Tool steel.....do.....	.08	.08	.07½	.10	.09
Brass castings.....do.....	.20	.20	.27½	.25	.19
Pattern white pine.....per foot..	.10	.10	.10	.08	.....
Flange steel (60,000) ½-inch and up.....per pound..	.02½	.02½	.02½	.03	.02½
Rivets (boiler).....do.....	.03	.03	.03	.04	.04
Sheet steel.....do.....	.02½	.02½	.02½	.03	.02½
Composition nails.....do.....	.18	.18	.18	.18½	.18
Parsons white brass.....do.....	.35	.30	.37½	.45	.40
All other materials at lowest market rates.					
Will take old copper.....per pound..	.08	.08	.08	.10	.05
Estimated totals.....	16,360.45	6,360.45	6,336.95	26,924.30	6,469.00

<sup>1</sup> Accepted.<sup>2</sup> Incomplete bid.

## SAVANNAH (GA.) DISTRICT.

[Officer: Col. Dan C. Kingman, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of bids for furnishing and placing stone for raising low places in jetties at entrance to Cumberland Sound, Ga. and Fla., received in response to newspaper advertisement and opened at Savannah, Ga., at 12 o'clock noon, October 20, 1909, by Capt. W. P. Stokey, Corps of Engineers, by direction and in absence of Col. Dan C. Kingman, Corps of Engineers.*

[Appropriation: Preservation and maintenance of river and harbor works: For Cumberland Sound, and improving Cumberland Sound, Ga. and Fla.]

No.	Names and addresses of bidders.	Stone (7,000 tons).		Board for United States Inspectors, per month.	Remarks.
		Rate per ton.	Total amount.		
1	Paschal N. Strong, Savannah, Ga.....	\$2.90	\$20,300.00	\$25.00	Guaranty incomplete.
2	S. R. Rosoff, New York, N. Y.....	3.60	25,200.00	40.00	
3	Roderick G. Ross, Jacksonville, Fla. <sup>1</sup> .....	2.74	19,180.00	20.00	Lowest bid.

<sup>1</sup> Accepted.

*Abstract of bids received in response to the attached poster and circular, dated December 20, 1909, and opened December 29, 1909, by Col. Dan C. Kingman, Corps of Engineers, at Savannah, Ga., for hauling out and repairing the U. S. dredge "Savannah."*

[Appropriation: Improving harbor at Savannah, Ga.]

No.	Name and addresses of bidders.	Total bid.	Time of hauling.
1	Wm. Kehoe & Sons, Savannah, Ga.....	\$11,248.00	After Jan. 5, 1910.
2	Merrill-Stevens Co., Jacksonville, Fla. <sup>1</sup> .....	9,641.50	Jan. 1, 1910.
3	Kensington Shipyard Co., Philadelphia, Pa. <sup>2</sup> .....	9,131.78	At once.
4	Newport News Shipbuilding & Dry Dock Co., Newport News, Va.	10,409.00	Any time.

Original estimate, \$15,000.

<sup>1</sup> Accepted.

<sup>2</sup> Bid No. 3 lowest on its face, but figuring the difference in the cost of sending the dredge to Philadelphia instead of Jacksonville, bid No. 2 was the lowest by \$700.

*Abstract of bids for dredging in Club and Plantation Creeks, Ga., received in response to newspaper advertisements, and opened at 12 o'clock noon (eastern standard time). at Savannah, Ga., by Col. Dan C. Kingman, Corps of Engineers. (Bids opened Mar, 9, 1910).*

[Appropriation: Improving Club and Plantation Creeks, Georgia.]

No.	Names and addresses of bidders.	Dredging 110,000 cubic yards.		Board and lodging for inspectors, per month.	Remarks.
		Rate.	Amount.		
1	Simons-Mayrant Co., Charleston, S. C.	<i>Cents.</i> 17.3	\$19,030	\$25	Certified check for \$3,000 furnished in lieu of guaranty.
2	P. Sanford Ross (Inc.), Jersey City, N. J.	24.5	26,950	20	Bid contains proviso to start work in 90 days, instead of 45, as specified.
3	Paschal N. Strong, Savannah, Ga.	15.5	17,050	20	Certificate as to sufficiency of guarantors not executed by proper officer.
4	Savannah Dredging Co., Savannah, Ga.	17.8	19,580	20	

All bids rejected.

*Abstract of bids for dredging refractory material in Brunswick Harbor, Ga., received in response to newspaper advertisement and opened at 12 o'clock noon (eastern standard time), March 21, 1910, at Savannah, Ga., by Col. Dan C. Kingman, Corps of Engineers.*

[Appropriation: Improving harbor at Brunswick, Ga.]

No.	Names and addresses of bidders.	Dredging.		Board for inspectors, per month.
		Rate per cubic yard.	Amount of bid.	
1	Coastwise Dredging Co., Norfolk, Va.	\$2.95	\$68,145.00	\$25.00
2	P. Sanford Ross (Inc.), Jersey City, N. J. <sup>1</sup>	2.80	64,680.00	20.00
3	Roderick G. Ross, Jacksonville, Fla.	3.25	75,075.00	20.00

<sup>1</sup> Accepted; lowest bid.

Original estimate: Dredging, none submitted; board for inspectors, \$20 per month per man.

### JACKSONVILLE (FLA.) DISTRICT.

Officer: Capt. George R. Spalding, Corps of Engineers.]

#### RIVERS AND HARBORS.

*Abstract of proposals for shore protection work at New Berlin and St. Johns Bluff, St. Johns River, Fla., opened October 21, 1909, in the United States engineer office, Jacksonville, Fla., by Capt. George R. Spalding, Corps of Engineers.*

[Preservation and maintenance of river and harbor works for St. Johns River, Fla., Jacksonville to the ocean.]

No.	Name of address and bidder.	Mattress.			Stone.			Grand total.
		Square yards.	Price per square yard.	Total.	Cubic yards.	Price per cubic yard.	Total.	
1	Roderick G. Ross, Jacksonville, Fla.	6,000	\$0.80	\$4,800.00	5,000	\$3.00	\$15,000.00	\$19,800.00

Remarks: Only bid received; accepted.

*Abstract of proposals for furnishing about 500 cubic yards of limestone on north jetty, entrance to Biscayne Bay, Fla., opened May 6, 1910, in the United States engineer office, Jacksonville, Fla., by Capt. George R. Spalding, Corps of Engineers.*

## [Improving Biscayne Bay, Fla.]

No.	Names and addresses of bidders.	Cubic yards.	Price per cubic yard.	Total.
1	J. D. Godman, Miami, Fla.....	500	\$4.00	\$2,000.00
2	Erhen Cook, Miami, Fla.....	500	3.45	1,725.00
3	Roderick G. Ross, Jacksonville, Fla.....	500	3.40	1,700.00

<sup>1</sup> Lowest bid; accepted.

*Abstract of proposals for furnishing and driving piles at Volusia Bar, Fla., opened October 27, 1909, in the United States engineer office, Jacksonville, Fla., by Capt. George R. Spalding, Corps of Engineers.*

## [Preservation and maintenance of river and harbor works for Volusia Bar, Fla.]

No.	Names and addresses of bidders.	Description of work.	Amount.
1	W. M. Boyd, Palatka, Fla. <sup>1</sup> .....	{ For pile work and 3-pile dolphin construction at Volusia Bar.	<sup>2</sup> \$5.00
2	J. E. Lucas, Palatka, Fla.....		<sup>3</sup> 5.50
			<sup>4</sup> 0.50
			<sup>2</sup> 6.00
			<sup>3</sup> 5.50
			<sup>4</sup> 4.50

<sup>1</sup> Lowest bid; accepted.

<sup>2</sup> Class A.

<sup>3</sup> Class B.

<sup>4</sup> Class C.

*Abstract of proposals for dredging in vicinity of Orange Mills Flats, St. Johns River, Fla., received in response to circular letter, opened April 5, 1910, in the United States engineer office, Jacksonville, Fla., by Capt. George R. Spalding, Corps of Engineers.*

[Emergencies in river and harbor works, restoration of channel depths, St. Johns River, Fla., Orange Mills Flats.]

No.	Name and address of bidder.	Price per cubic yard.	Amount of bid.
1	P. Sanford Ross (Inc.), Jersey City, N. J.....	Cents. 12	\$7,200.00

Remarks: Only bid received; accepted.

68641°—H. Doc. 1096, 61-3—4

## MONTGOMERY (ALA.) DISTRICT.

[Officer: Capt. H. B. Ferguson, Corps of Engineers.]

## FORTIFICATIONS.

*For furnishing materials and building sea wall at Fort McRee, Fla. (Opened October 20, 1909.)*

[Appropriation: Repair and protection of defenses of Pensacola, Fla., for sea walls and buildings.]

No.	Names and addresses of bidders.	Excavation (4,000 cubic yards).		Concrete (5,280 cubic yards).		Sheet piling (216,000 feet b. m.).	
		Unit price.	Cost.	Unit price.	Cost.	Unit price.	Cost.
1	Thiele Construction Co., Johnstown, Pa.	\$0.35	\$1,400.00	\$6.10	\$32,208.00	-----	-----
2	H. B. Thompson & Co., Birmingham, Ala.	.12	480.00	5.10	26,928.00	\$32.50	\$7,020.00
3	Brewer & Jones, Birmingham, Ala.	.20	800.00	4.80	25,344.00	29.00	6,264.00
4	Peter Eskald, Biloxi, Miss.	.30	1,200.00	6.37	33,633.60	34.00	7,344.00
5	Henry & John Monk, Pensacola, Fla., and Norfolk, Va.	.20	800.00	5.00	26,400.00	32.00	6,912.00
6	Bryan & Co., Jacksonville, Fla.	.25	1,000.00	6.10	32,208.00	30.00	6,480.00

No.	Names and addresses of bidders.	Sheet piling, creosoted (432,000 feet b. m.).		Riprap (4,300 tons).		Vitrified pipe (80 linear feet).		Total.
		Unit price.	Cost.	Unit price.	Cost.	Unit price.	Cost.	
1	Thiele Construction Co., Johnstown, Pa.	-----	-----	\$3.00	\$12,900.00	\$0.15	\$12.00	-----
2	H. B. Thompson & Co., Birmingham, Ala.	\$54.00	\$23,328.00	2.75	11,825.00	.30	24.00	<sup>1</sup> \$69,605.00
3	Brewer & Jones, Birmingham, Ala.	52.00	22,464.00	2.50	10,750.00	.20	16.00	65,638.00
4	Peter Eskald Biloxi, Miss.	54.00	23,328.00	3.25	13,975.00	.50	40.00	79,520.60
5	Henry & John Monk, Pensacola, Fla., and Norfolk, Va.	56.00	24,912.00	2.70	11,610.00	.50	40.00	70,674.00
6	Bryan & Co., Jacksonville, Fla.	53.00	22,896.00	4.00	17,200.00	.50	40.00	79,824.00

No.	Name and addresses of bidders.	Extra cement (per barrel).	Alternative: Reinforced concrete sheet piling (1,500 running feet).				Total.	Total weight reinforcement proposed.	Remarks.
			24 feet long.		12 feet long.				
			Unit price.	Cost.	Unit price.	Cost.			
1	Thiele Construction Co., Johnstown, Pa.	\$1.60	\$16.00	\$24,000.00	\$8.00	\$12,000.00	\$82,520.00	Pounds. 460,125	Certificate as to guarantors not filled out.
2	H. B. Thompson & Co., Birmingham, Ala.	1.60	12.50	18,750.00	6.00	9,000.00	67,007.00	-----	Required design not submitted. No evidence attached to guaranty showing officers authorized to sign.
3	Brewer & Jones, Birmingham, Ala.	1.50	12.00	18,000.00	6.00	9,000.00	63,910.00	65,000	Required design in pencil; not in duplicate; signers of guaranty are a company, and not an approved bonding company.
4	Peter Eskald, Biloxi, Miss.	1.75	22.00	33,000.00	10.00	15,000.00	96,848.60	632,400	Guaranty without date.
5	Henry & John Monk, Pensacola, Fla., and Norfolk, Va.	1.65	12.49	18,735.00	5.24	7,860.00	65,445.00	150,000	
6	Bryan & Co., Jacksonville, Fla.	1.75	18.00	27,000.00	8.00	12,000.00	89,448.00	493,500	Required design not in duplicate.

<sup>1</sup> Accepted.

*For furnishing and delivering dredging pump and engine at Pensacola, Fla. (Bids opened September 24, 1909.)*

[Appropriation: Repair and protection of defenses of Pensacola, Fla., for sea walls and buildings.]

No.	Names and addresses of bidders.	Amount.
1	Ellicott Machine Co., Baltimore, Md.....	\$4,470.00
2	Morris Machine Co., Baldwinsville, N. Y.....	5,400.00
3	Henry R. Worthington, New York, N. Y.....	6,700.00
4	Jos. Edwards & Co., New York, N. Y.....	5,400.00
5	The Bucyrus Co., South Milwaukee.....	5,895.62

<sup>1</sup> Accepted; vertical, \$500 additional.

## RIVERS AND HARBORS.

*Abstracts of proposals received and opened at United States engineer office, Montgomery, Ala., by Capt. H. B. Ferguson, Corps of Engineers, during fiscal year ended June 30, 1910, for furnishing and delivering steam coal on board U. S. dredge Caucus, at Pensacola, Fla. (Bids opened July 5, 1909.)*

[Appropriation: Improving harbor at Pensacola, Fla.]

No.	Names and addresses of bidders.	Price per ton of 2,240 pounds.	Kind of coal.
1	Cary & Co., Pensacola, Fla.....	<sup>1</sup> \$3.05	Stouts Mountain, run of mine.
		2.85	Pratt, run of mine.
2	Guy F. Palmes, Pensacola, Fla.....	2.90	Little Cahaba, steam.
		3.07	Old Tennessee Pratt, screened lump.

<sup>1</sup> Accepted.

## MOBILE (ALA.) DISTRICT.

[Officer: Maj. Henry Jervey, Corps of Engineers.]

## FORTIFICATIONS.

*Abstract of proposals for filling back of sea wall at Fort Morgan, Ala., opened in the United States engineer office at Mobile, Ala., on July 2, 1909.*

No.	Names and addresses of bidders.	Price bid per cubic yard, in place.
		Cents.
1	W. C. Spotswood, Mobile, Ala.....	48
2	Bowers Southern Dredging Co., Galveston, Tex.....	22
3	Home Dredging Co., Mobile, Ala.....	29



*Abstract of proposals for furnishing and placing top soil at Fort Morgan, Ala., opened in the United States engineer office at Mobile, Ala., on June 7, 1910.*

Name and address of bidder.	Quantity of top soil.	Price per cubic yard, in place.	Total.
W. C. Spotswood, Mobile, Ala.....	Cubic yards. 16,000	\$2.25	\$36,000.00

Remarks: Submits alternative proposal of \$1.35 per cubic yard for top soil on barges alongside wharf at Fort Morgan.

*Abstract of proposals for building riprap groins for sea walls at Forts Morgan and Gaines, Ala., opened in United States engineer office at Mobile, Ala., on October 18, 1909.*

No.	Names and addresses of bidders.	Price per ton for riprap in place.
1	John & Henry Monk, Pensacola, Fla.....	\$4.28
2	W. C. Spotswood, Mobile, Ala.....	3.75
3	Chas. G. Ollinger, Mobile, Ala.....	5.85

*Abstract of proposals for the construction of lock tender's house at Lock No. 3, Tombigbee River, Ala., received and opened in the United States engineer office at Mobile, Ala., on October 25, 1909.*

No.	Names and addresses of bidders.	Price bid for building lockhouse complete.
1	Levi Frisbie, Jackson, Ala.....	\$2,132.00
2	Alfred Johansen, Linden, Ala.....	2,474.47
3	D. H. Shamberger, Pennington, Ala.....	2,240.00
4	W. R. Lisenber, Crichton, Ala.....	3,000.00
5	E. L. Ellis, Oakchla, Ala.....	2,448.00
6	Williams & Williams, Crichton, Ala.....	3,000.00

## NEW ORLEANS (LA.) DISTRICT.

[Officer: Lieut. Col. Lansing H. Beach, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals received in response to advertisement by poster and circular letter for a period of 15 days for furnishing about 12,000 cords of willows for use in connection with the work at South and Southwest Pass, Mississippi River, during the period from July 1, 1909, to June 30, 1910, opened at engineer office, United States Army, New Orleans, La., June 30, 1909, by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

[Improving Southwest Pass, Mississippi River. Maintenance of South Pass Channel, Mississippi River.]

No.	Name and address of bidder.	For willows from below and at Fort Jackson (estimated quantity 12,000 cords).		Price per cord for willows from above Fort Jackson, La.
		Price per cord.	Total.	
1	Richard M. Murphy, New Orleans, La.....	\$1.50	\$18,000.00	<sup>1</sup> \$1.50

<sup>1</sup> Bid accepted and contract entered into July 20, 1909.

*Abstract of proposals received in response to advertisement by poster and circular letter dated June 16, 1909, for furnishing run-of-mine coal for United States plant from July 1, 1909, to June 30, 1910, and opened at engineer office, New Orleans, La., July 1, 1909, by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

[Improving Southwest Pass, Mississippi River. Maintenance of South Pass Channel, Mississippi River.]

No.	Names and addresses of bidders.	Price per unit.	Amount.	Total.
1	W. G. Coyle & Co., New Orleans, La.: Pittsburg coal— (a) 155,000 barrels..... (b) 2,000 tons..... (c) .....	 \$0.39 3.60 .35	 \$60,450.00 7,200.00 .....	   <sup>1</sup> \$67,650.00
	West Kentucky coal— (a) 155,000 barrels..... (b) 2,000 tons..... (c) .....	 .32 3.20 .28	 49,600.00 6,400.00 .....	   56,000.00
2	West Kentucky Coal Co., New York, N. Y.: West Kentucky coal— (a) 155,000 barrels..... (b) 2,000 tons..... (c) .....	 .32½ 3.25 .30½	 51,925.00 6,500.00 .....	   58,425.00

<sup>1</sup> Accepted and contract entered into August 31, 1909.

(c) The total quantity of (a) and (c) estimated under subparagraph (a) as all, or nearly all, of the deliveries at Port Eads and Burrwood, La., will be under (a).

*Abstract of proposals received in response to advertisement by poster and circular letter dated June 16, 1909, for furnishing and delivering fresh meat for employees on United States plant from July 1 to December 31, 1909, opened at engineer office, New Orleans, La., July 1, 1909, by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

[Improving Southwest Pass, Mississippi River. Maintenance of South Pass Channel, Mississippi River.]

	Estimated quantities.	(1) Swift & Co. (Ltd.) New Orleans, La.		(2) Morris & Co., New Orleans, La.	
		Unit prices.	Total.	Unit prices.	Total.
Beef, fresh:					
Hind quarters	30,000 lbs.	\$7.50 cwt.	\$2,250.00	\$9.40 cwt.	\$2,820.00
Fore quarters	5,000 lbs.	\$5.50 cwt.	275.00	\$6.12½ cwt.	306.25
Mutton, fresh, whole carcasses	1,250 lbs.	\$9 cwt.	112.50	\$8.48 cwt.	106.00
Veal, fresh, whole carcasses	1,000 lbs.	\$7.25 cwt.	90.63	\$8.70 cwt.	108.75
Pork shoulders, fresh	1,250 lbs.	\$10 cwt.	100.00	\$11 cwt.	110.00
Pork loins, fresh	1,250 lbs.	\$12.50 cwt.	156.25	\$12.50 cwt.	156.25
Pork link sausage	900 lbs.	\$8.50 cwt.	76.50	\$8.25 cwt.	74.25
Bologna sausage	400 lbs.	\$7 cwt.	28.00	\$8.65 cwt.	22.60
Vienna sausage	400 lbs.	\$9 cwt.	36.00	\$8.20 cwt.	32.80
Pickled tripe (15-pound kits)	4 kits	\$0.75 ea.	3.00	\$0.75 ea.	3.00
Pickled pig tongues (one-quarter barrels)	6.	\$6.25 ea.	37.50	\$4.75 ea.	28.50
Spare ribs, half-barrels (160's)	4.	\$8 ea.	32.00	\$7 ea.	28.00
Beef livers	100 lbs.	\$5 cwt.	5.00	\$4.50 cwt.	4.50
Calf livers	6.	\$0.30 ea.	1.80	\$0.25 ea.	1.50
Total			3,204.18		3,802.40

	Estimated quantities.	(3) Aug. J. Claverie, Arabi, La.		(4) Schwarzschild-Sulzberger Co., New Orleans, La.	
		Unit prices.	Total.	Unit prices.	Totals.
Beef, fresh:					
Hind quarters	30,000 lbs.	\$9.50 cwt.	\$2,850.00	\$9.25 cwt.	\$2,775.00
Fore quarters	5,000 lbs.	\$5.50 cwt.	275.00	\$5.50 cwt.	275.00
Mutton, fresh, whole carcasses	1,250 lbs.	\$11 cwt.	137.50	\$10 cwt.	125.00
Veal, fresh, whole carcasses	1,000 lbs.	\$8.50 cwt.	106.25	\$9.20 cwt.	115.00
Pork shoulders, fresh	1,000 lbs.	\$11 cwt.	110.00	\$11.12 cwt.	111.20
Pork loins, fresh	1,250 lbs.	\$14 cwt.	175.00	\$14.37 cwt.	179.62
Pork link sausage	900 lbs.	\$9 cwt.	81.00	\$7.68 cwt.	69.12
Bologna sausage	400 lbs.	\$7.50 cwt.	30.00	\$6.61 cwt.	26.44
Vienna sausage	400 lbs.	\$9 cwt.	36.00	\$8.04 cwt.	32.16
Pickled tripe (15-pound kits)	4 kits	\$0.75 ea.	3.00	\$0.90 ea.	3.60
Pickled pig tongues (one-quarter barrels)	6.	\$10 ea.	60.00	\$6.15 ea.	36.90
Spare ribs, half-barrels (100's)	4.	\$7 ea.	28.00	\$8.50 ea.	34.00
Beef livers	100 lbs.	\$7 cwt.	7.00	\$5.50 cwt.	5.50
Calf livers	6.	\$0.35 ea.	2.10	\$0.37 ea.	2.22
Total			3,900.85		3,790.76

No. 1: Accepted, and contract entered into on July 31, 1909.

Deduction from above prices for deliveries at New Orleans, La.: Nos. 1 and 2, none; No. 3, one-half of a cent per pound; No. 4, 5 per cent.

*Abstract of proposals received in response to advertisement by newspaper for removing a mattress sill laid on the bed of the river across the head of the Southwest Pass of the Mississippi River, dated August 9, 1909, were opened at this office at 11 a. m., September 9, 1909, by Lieut. Robert R. Ralston, Corps of Engineers, in the absence of Lieut. Col. Lansing H. Beach, Corps of Engineers.*

[Improving Southwest Pass, Mississippi River.]

Name and address of bidder.	Amount of bid.
Bowers Southern Dredging Co., Galveston, Tex.	\$40,000

Accepted, and contract entered into October 4, 1909.

*Abstract of proposals received in response to advertisement by newspaper for furnishing and delivering a combined pile driver and derrick plant at Burrwood, Southwest Pass, Mississippi River, La., dated August 9, 1909, were opened at United States Engineer Office, New Orleans, La., at 11 a. m., September 9, 1909, by Lieut. Robert R. Ralston, Corps of Engineers, in the absence of Lieut. Col. Lansing H. Beach, Corps of Engineers.*

## [Improving Southwest Pass, Mississippi River.]

No.	Names and addresses of bidders.	Amount of bid.
1	Peter Eskald, Biloxi, Miss.....	<sup>1</sup> \$3,192.06
2	Wilmot Machinery Co., New Orleans, La.....	9,297.11
3	The Johnson Iron Works (Ltd.), New Orleans, La.....	9,939.00
4	G. & W. Manufacturing Co. (Inc.), New York, N. Y.....	15,887.00
5	Stern Foundry & Machinery Co., New Orleans, La.....	12,300.00
6	E. J. Howard, Jeffersonville, Ind.....	11,156.00
7	The Jahneke Navigation Co., New Orleans, La.....	11,400.00

<sup>1</sup> Accepted, and contract entered into Sept. 29, 1909.

*Abstract of proposals received in response to advertisement by newspaper for constructing and sinking mattresses with stone at Southwest Pass, Mississippi River, for the extension of the east jetty, dated August 24, 1909, and opened September 13, 1909, at Engineer Office, United States Army, New Orleans, La., by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

## [Improving Southwest Pass, Mississippi River.]

No.	Names and addresses of bidders.	Brush mattresses in place (estimated quantities, 70,778 square yards.)		Riprap stone in place (estimated quantities, 26,542 tons).		Total.
		Per square yard.	Amount.	Per ton.	Amount.	
1	Christie & Lowe, New Orleans, La.....	\$1.30	\$92,011.40	\$4.00	\$106,168.00	\$198,179.40
2	Richard M. Murphy, New Orleans, La.....	1.50	106,167.00	4.50	119,439.00	225,606.00

Bid No. 1 accepted, and contract entered into Sept. 30, 1909.

*Abstract of proposals for dredging in connection with improving the Southwest Pass of the Mississippi River received in response to advertisement by poster and printed specifications dated November 12, 1909, and opened at engineer office, United States Army, New Orleans, La., November 22, 1909, by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

## [Improving Southwest Pass, Mississippi River.]

No	Name and address of bidder.	For furnishing dredging plant (estimated time, 90 days).		Removal of 380,000 cubic yards material (estimated).		Total.
		Price per day.	Total.	Price per cubic yard.	Total.	
1	Bowers Southern Dredging Co., Galveston, Tex.	\$500	\$45,000	Cents. 10	\$38,000	\$83,000

Accepted, and contract entered into December 1, 1909.

*Abstract of proposals for furnishing and delivering whaling timbers and piles on the river bank or wharves in Southwest Pass, Mississippi River, received in response to poster and circular letter dated December 18, 1909, and opened January 3, 1910, by Lieut. Col. Lansing H. Beach, Corps of Engineers, New Orleans, La.*

[Improving Southwest Pass, Mississippi River.]

No.	Names and addresses of bidders.	10 by 12 inch sawn timbers.						Hewn timbers, 60 feet long (4,200 linear feet).	
		24 feet long (8,400 feet b. m.).		18 feet long (11,700 feet b. m.).		60 feet long (42,000 feet b. m.).			
		Per M feet.	Total.	Per M feet.	Total.	Per M feet.	Total.	Per linear foot.	Total.
1	Salmen Brick & Lumber Co. (Ltd.), New Orleans, La.....	\$28.00	\$235.20 235.20	\$25.00	\$292.50 292.50	\$50.00	\$2,100.00 .....	<i>Cents.</i> 40	\$1,680.00
2	Robinson Lumber Veneer & Box Co. (Ltd.), New Orleans, La.....	27.00	226.80 226.80	26.00	304.20 304.20	59.00	2,478.00 .....	55	2,310.00
3	M. W. Jay, New Orleans, La.....	28.00	235.20	28.00	327.60	.....	.....	24	1,008.00
4	Commercial - Germania Trust & Savings Bank, receiver of Lhote Lumber Manufacturing Co., New Orleans La.....	45.00	378.00 378.00	45.00	526.50 526.50	70.00	2,940.00 .....	70	2,940.00

Bid.	Names and addresses of bidders.	Piles 50 feet long (5,000 linear feet).		Total.	Piles, creosoted yellow pine (29,100 linear feet).				Grand total.
		Per linear foot.	Total.		Long leaf.		Short leaf.		
					Per linear foot.	Total.	Per linear foot.	Total.	
1	Salmen Brick & Lumber Co. (Ltd.), New Orleans, La.....	Cents. 12	\$600.00	\$3,227.70	Cents. 38	\$11,058.00	Cents. 38	\$11,058.00	\$14,285.70
2	Robinson Lumber Veneer & Box Co. (Ltd.), New Orleans, La.....		600.00	2,807.70	38	11,058.00	38	11,058.00	13,865.70
		15	750.00	3,759.00	43	12,513.00			16,272.00
3	M. W. Jay, New Orleans, La.....		750.00	3,591.00	43	12,513.00			16,104.00
4	Commercial-Germania Trust & Savings Bank, receiver of Lhote Lumber Manufacturing Co., New Orleans, La.....	14	700.00	2,270.80					
		20	1,000.00	4,844.50					
			1,000.00	4,844.50					

<sup>1</sup> Accepted, and contract entered into January 17, 1910.

*Abstract of proposals received in response to advertisement by poster and circular letter dated December 20, 1909, for furnishing and delivering lumber and shingles on the river bank or wharves in South Pass, Mississippi River, opened by Lieut. Col. Lansing H. Beach, Corps of Engineers, January 4, 1910.*

## [Maintenance of South Pass Channel, Mississippi River.]

No.	Names and addresses of bidders.	Long-leaf yellow pine lumber.							
		20,483 feet b. m.		15,000 feet b. m.		4,000 linear feet, or 2,000 feet b. m. (figured as 1 by 6 inches).		62,267 feet b. m.	
		Per M feet.	Total.	Per M feet.	Total.	Per M feet.	Total.	Per M feet.	Total.
1	Salmen Brick & Lumber Co. (Ltd.), New Orleans, La.....	\$52.00	\$1,065.12	\$60.00	\$900.00	<sup>1</sup> \$0.02½	\$90.00	\$22.00	\$1,369.87
2	M. W. Jay, New Orleans, La.....	57.00	1,167.53	69.00	1,035.00	43.00	86.00	29.00	1,805.74
3	Commercial-Germania Trust & Savings Bank, receiver of Lhote Lumber Manufacturing Co., New Orleans, La.....	70.00	1,433.81	100.00	1,500.00	50.00	100.00	22.00	1,369.87
4	Rodd-Black Co., New Orleans, La.....							23.23	1,446.46

No.	Names and addresses of bidders.	Cypress lumber (640 feet b. m.).		Cypress shingles (25,000).		Grand total.	Time.
		Per M feet.	Total.	Per M feet.	Total.		
1	Salmen Brick & Lumber Co. (Ltd.), New Orleans, La.....	\$65.00	\$41.60	\$5.40	\$135.00	<sup>2</sup> \$3,601.59	30 days.
2	M. W. Jay, New Orleans, La.....	41.00	26.24	4.90	122.50	4,243.01	60 days.
3	Commercial-Germania Trust & Savings Bank, receiver of Lhote Lumber Manufacturing Co., New Orleans, La.....	70.00	44.80	6.00	150.00	4,598.48	180 days.
4	Rodd-Black Co., New Orleans, La.....	50.00	32.00	5.60	165.00	1,643.46	45 days.

<sup>1</sup> Per linear foot.

<sup>2</sup> Accepted, and contract entered into January 10, 1910.

*Abstract of proposals received in response to advertisement by newspaper and circular letter for a period of 16 days, for furnishing and delivering creosoted piles and waling timbers on the river bank or wharves in Southwest Pass, Mississippi River, dated February 15, 1910, opened March 4, 1910, at engineer office, United States Army, New Orleans, La., by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

## [Improving Southwest Pass, Mississippi River.]

No.	Names and addresses of bidders.	Item No. 1: 1,142 creosoted piles (40 feet long; total, 45,680 feet).		Item No. 2: 167 waling timbers (uncreosoted) (60 feet long; total, 10,020 feet).	
		Per foot.	Total.	Per foot.	Total.
1	Peter Eskald, Biloxi, Miss (all or none).....	<i>Cents.</i> 36	\$16,444.80	<i>Cents.</i> 30	\$3,006.00
2	Salmen Brick & Lumber Co. (Ltd.), New Orleans, La....	36	<sup>1</sup> 16,444.80	30	3,006.00
3	Bryan Black Lumber Co., New Orleans, La.....			20	<sup>1</sup> 2,004.00
4	Robinson Lumber Veneer & Box Co. (Ltd.), New Orleans, La.....	37½	17,130.00	29	2,905.80
5	Edward W. Vinyard, Ponchatoula, La.....	39	17,615.20	30	3,006.00

<sup>1</sup> Accepted, and contract entered into March 14, 1910.



*Abstract of proposals for furnishing and delivering piles and waling timbers at Port Eads, South Pass, Mississippi River, received in response to advertisement, by poster and circular letter dated March 21, 1910, opened April 5, 1910, New Orleans, La., by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

[Maintenance of South Pass Channel, Mississippi River.]

No.	Names and addresses of bidders.	Piles.					
		400, 30 feet.		100, 45 feet.		50, 60 feet.	
		Each.	Amount.	Each.	Amount.	Each.	Amount.
1	Southern Saw Mill Co. (Ltd.), New Orleans, La.....	\$2.91	\$1,164.00	\$4.37	\$437.00	\$5.84	\$292.00
2	Salmen Brick & Lumber Co. (Ltd.), New Orleans, La.....	3.45	1,380.00	5.17½	517.50	9.30	465.00
3	Peter Eskald, Biloxi, Miss.....	3.00	1,200.00	4.90	490.00	8.00	400.00
4	E. W. Vinyard, Ponchatoula, La.....	3.00	1,200.00	4.50	450.00	6.00	300.00
5	Houlton Lumber Co., New Orleans, La....	3.00	1,200.00	4.50	450.00	6.00	300.00

No.	Names and addresses of bidders.	Piles (20, 70 feet).		Waling timbers (50, 60 feet).		Total.
		Each.	Amount.	Each.	Amount.	
1	Southern Saw Mill Co. (Ltd.), New Orleans, La..	\$6.82	\$136.40	\$11.85	\$592.50	1 \$2,621.90
2	Salmen Brick & Lumber Co. (Ltd.), New Orleans, La.....	12.95	259.00	17.25	862.50	
3	Peter Eskald, Biloxi, Miss.....	9.50	190.00	17.40	870.00	
4	E. W. Vinyard, Ponchatoula, La.....	7.00	140.00	14.40	720.00	
5	Houlton Lumber Co., New Orleans, La.....	9.10	182.00	12.00	600.00	

<sup>1</sup> Accepted, and contract entered into Apr. 9, 1910.

*Abstract of proposal received, in response to advertisement by newspaper and circular letter for a period of 30 days, for dredging at Chefuncte and in Bogue Falia Rivers, La., dated May 11, 1910, and opened June 10, 1910, at engineer office, United States Army, New Orleans, La., by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

Improving Bogue Chitto, Bogue Falia, Bayou Manchac, Amite, Chefuncte, and Tickfaw Rivers, La., for "Chefuncte River and Bogue Falia."]

No.	Name and address of bidder.	Price per cubic yard.	Estimated total to be excavated.	Total.
1	The Jahneke Navigation Co.....	Cents. 19½	Cu. yds. 30,000	\$5,850.00

Bid accepted.

*Abstract of proposals received, in response to advertisement by newspaper and circular letter for a period of 16 days, for furnishing about 10,000 cubic yards of stone for use in connection with the maintenance of jetties and auxiliary works at South or Southwest Pass, Mississippi River, dated May 28, 1910, opened June 13, 1910, at engineer office, United States Army, New Orleans, La., by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

[Improving Southwest Pass, Mississippi River. Maintenance of South Pass Channel, Mississippi River.]

No.	Names and addresses of bidders.	10,000 cubic yards, per cubic yard.	Total.
1	Richard M. Murphy, New Orleans, La.....	\$3. 90	<sup>1</sup> \$39,000
2	John Riess, New Orleans, La.....	3. 95	39,500
3	Oscar F. Barrett, Cincinnati, Ohio.....	3. 95	39,500
4	C. C. Huthmacher, Grand Tower, Ill.....	3. 95	39,500
5	Zeb. Ward, Little Rock, Ark.....	3. 95	39,500

<sup>1</sup> Accepted, and contract entered into June 20, 1910.

*Abstract of proposal received in response to advertisement by newspaper and circular letter for a period of 30 days for building lock and dam and lockkeeper's dwelling on Bayou Teche, La., dated May 16, 1910, opened June 15, 1910, at United States engineer office, New Orleans, La., by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

[Improving Bayou Teche, La.]

Articles.	General Contract Co., New Orleans, La.		
	Estimated quantities.	Unit price.	Total.
Excavation.....	40,000 cubic yards.....	\$0. 60	\$24,000. 00
Foundation piles.....	48,260 linear feet.....	.50	24,130. 00
Guide piles, creosoted.....	6,100 linear feet.....	.60	3,660. 00
Sheet piles:			
Wooden.....	166,250 feet b. m.....	<sup>1</sup> 90. 00	14,962. 50
Steel.....	18,475 square feet.....	1. 30	<sup>2</sup> 24,017. 50
Back filling and embankment.....	7,469 cubic yards.....	1. 40	10,456. 60
Concrete.....	8,480 cubic yards.....	10. 00	84,800. 00
Concrete, reinforced:			
Wing walls.....	138 cubic yards.....	15. 00	2,070. 00
Abutment.....	191 cubic yards.....	15. 00	<sup>2</sup> 2,865. 00
Four valves, cylindrical.....	4.....	500. 00	2,000. 00
Structural steel.....	14,510 pounds.....	.06	870. 60
Steel reinforcement (lock floor).....	252,394 pounds.....	.05	12,619. 70
Bolts and special irons.....	30,702 pounds.....	.10	3,070. 20
Cast iron.....	41,750 pounds.....	.10	4,175. 00
Timber in permanent construction.....	132,490 feet b. m.....	<sup>1</sup> 70. 00	9,274. 30
Timber, creosoted.....	96,389 feet b. m.....	<sup>1</sup> 100. 00	9,638. 90
Timber in gates.....	36,254 feet b. m.....	<sup>1</sup> 130. 00	4,713. 02
Timber shoring.....	10,000 feet b. m.....	<sup>1</sup> 40. 00	400. 00
Riprap filling.....	2,614 cubic yards.....	4. 00	10,456. 00
Bank protection, riprap.....	500 square yards.....	3. 00	1,500. 00
Capstans.....	2.....	100. 00	200. 00
Gauge tile (four gauges).....	76 linear feet.....	3. 00	228. 00
Mattress protection.....	2,011 square yards.....	2. 00	4,022. 00
Lockkeeper's dwelling.....	1.....	6,000. 00	6,000. 00
Tile drain.....	350 linear feet.....	.50	175. 00
Walks and concrete paving.....	90 square yards.....	3. 00	270. 00

<sup>1</sup> 1,000 feet b. m.

<sup>2</sup> Alternative bids.

Total bid:

Reinforced concrete abutment, wooden sheet piles.....	\$231,430. 22
Plain concrete abutment, wooden sheet piles.....	233,691. 82
Plain concrete abutment, steel sheet piles.....	242,746. 82

Bid rejected.

*Abstract of proposals received in response to advertisement by newspaper and circular letter, for a period of 30 days, for furnishing coal for United States plant from July 1, 1910, to June 30, 1911, and opened June 17, 1910, at United States engineer office, New Orleans, La., by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

Improving Southwest Pass, Mississippi River; maintenance of South Pass Channel, Mississippi River; preservation and maintenance of river and harbor works for Southwest Pass Channel, Mississippi River, and for South Pass Channel, Mississippi River.]

No.	Names and addresses of bidders.	(a) 160,000 barrels. <sup>1</sup>		(b) 1,000 tons.		(c) 160,000 barrels, per barrel.	Total.
		Per barrel.	Amount.	Per ton.	Amount.		
1	W. G. Coyle & Co., New Orleans, La.: Pittsburg, run of mine.....	\$0.39	\$62,400.00	\$3.60	\$3,600.00	\$0.35	<sup>2</sup> \$6,000.006
2	New Orleans Coal Co., New Orleans, La.: Alabama— Pratt, run of mine..... Banner, washed..... Walker County.....	.36 .34½ .32	57,600.00 55,200.00 51,200.00	3.25 3.10 3.00	3,250.00 3,100.00 3,000.00	.32 .30½ .28	60,850.00 58,300.00 54,200.00

<sup>1</sup> The total quantity of (a) and (c) estimated under subparagraph (a), as all or nearly all of the deliveries at Port Eads and Burrwood, La., will be under (a).

<sup>2</sup> Accepted.

*Abstract of proposals received in response to advertisement by newspaper and poster and circular letter for a period of 15 days, for furnishing about 20,000 cords of willows for use in connection with the works at South and Southwest Passes, Mississippi River, during the period from July 1, 1910, to June 30, 1911, opened at engineer office, United States Army, New Orleans, La., June 24, 1910, by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

[Improving Southwest Pass, Mississippi River. Maintenance of South Pass Channel, Mississippi River preservation and maintenance of river and harbor works for South Pass Channel, Mississippi River.]

No.	Names and addresses of bidders.	For willows from below and at Fort Jackson (estimated quantity, 20,000 cords).		For willows from above Fort Jackson.	
		Unit price.	Total.	Unit price.	Total.
1	Richard M. Murphy, New Orleans, La.....	\$1.20	\$24,000.00	\$1.20	<sup>1</sup> \$24,000.00
2	Marshall & Anglo, Venice, La.....	1.30	26,000.00	1.48	29,600.00

<sup>1</sup> Accepted.

#### WRECKS.

*Abstract of proposals for removing wreck of sunken schooner "A. J. Ramsay" from Lake Pontchartrain, La., received in response to advertisement by newspaper and poster and circular letter dated January 31, 1910, opened February 16, 1910, New Orleans, La., by Lieut. Col. Lansing H. Beach, Corps of Engineers.*

[Removing sunken vessels or craft obstructing or endangering navigation, indefinite.]

No.	Names and addresses of bidders.	Amount.	Remarks.
1	Charles Lange, New Orleans, La.....	<sup>1</sup> \$450.00 1,450.00	Blow up with dynamite. To raise and remove wreck.
2	James Evans, New Orleans, La.....	575.00	To use dynamite and derrick.
3	H. W. Stancil, New Orleans, La.....	590.00	To use dynamite or to break up into small parts.
4	Doullut & Williams, New Orleans, La.....	475.00	
5	W. J. Keegan, New Orleans, La.....	582.00	
6	The Jahmcke Navigation Co., New Orleans, La..	950.00	
7	Peter Eskald, Biloxi, Miss.....	960.40	To raise wreck if possible, otherwise to use explosives.

<sup>1</sup> Accepted and contract entered into Feb. 18, 1910.

## GALVESTON (TEX.) DISTRICT.

[Maj. G. P. Howell, Corps of Engineers.]

## FORTIFICATIONS.

*Abstract of proposals for sea wall and fill at Fort Travis, Tex., received in response to advertisement dated July 31, 1909, and opened August 30, 1909, by Capt. John C. Oakes, Corps of Engineers, at Galveston, Tex.*

[Sea wall, Fort Travis, Galveston, Tex.]

## FOR WORK AS A WHOLE.

	Names and addresses of bidders.					
	(1) Wm. Moore, Texas City, Tex.		(2) Chas. Clarke & Co., Galveston, Tex.		(4) Chas. S. Patterson, Port Bolivar, Tex.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
73,500 linear feet round piling, including trenching.....	\$0.17½	\$12,862.50	\$0.18½	\$13,597.50	\$0.19½	\$14,332.50
1,765,000 feet b. m. sheet piling, including fastenings.....	32.25	56,921.25	27.50	48,537.50	39.50	69,717.50
13,500 tons riprap in place.....	2.40	32,400.00	2.45	33,075.00	2.96	39,960.00
12,500 cubic yards concrete in sea wall, including reinforcements, etc.....	8.50	106,250.00	6.90	86,250.00	7.16	89,500.00
5,800 cubic yards reinforced concrete in retaining walls, including reinforcements, drains, etc.....	14.00	81,200.00	10.40	60,320.00	13.14	76,212.00
950,000 cubic yards fill.....	.08½	80,750.00	.08½	83,125.00	.09½	93,812.50
15,000 cubic yards of soil with sod.....	1.05	15,750.00	1.45	21,750.00	1.75	26,250.00
Total.....		386,133.75		346,655.00		409,784.50

	Names and addresses of bidders.					
	(7) R. C. Storrie & Co., Fort Worth, Tex.		(8) D. M. Picton & Co., Galveston, Tex.		(10) Kelso & Vautrin, Galveston, Tex.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
73,500 linear feet round piling, including trenching.....	\$0.27	\$19,845.00	\$0.18½	\$13,597.50	\$0.23	\$16,905.00
1,765,000 feet b. m. sheet piling, including fastenings.....	32.40	57,186.00	34.70	61,245.50	39.00	68,835.00
13,500 tons riprap in place.....	3.60	48,600.00	3.30	44,550.00	2.75	37,125.00
12,500 cubic yards concrete in sea wall, including reinforcements, etc.....	8.56	107,000.00	6.70	83,750.00	6.80	85,000.00
5,800 cubic yards reinforced concrete in retaining walls, including reinforcements, drains, etc.....	9.82	56,956.00	10.70	62,060.00	13.40	77,720.00
950,000 cubic yards fill.....	.16½	156,750.00	.08	76,000.00	.10½	97,375.00
15,000 cubic yards of soil with sod.....	1.00	15,000.00	.90	13,500.00	.92	13,800.00
Total.....		461,337.00		354,703.00		396,760.00

## WORK SEPARATELY—(a) SEA WALL AND RETAINING WALL.

	Names and addresses of bidders.					
	(1) Wm. Moore, Texas City, Tex.		(2) Chas. Clarke & Co., Galveston, Tex.		(9) Isaac Heffron, Galveston, Tex.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
73,500 linear feet round piling, including trenching.....	\$0. 17½	\$12,862.50	\$0. 18½	\$13,597.50	\$0. 25, <sup>17</sup> / <sub>100</sub>	\$18,499.95
1,765,000 feet b. m. sheet piling, including fastenings.....	32.25	56,921.25	27.50	48,537.50	27.00	47,655.00
13,500 tons riprap in place.....	2.40	32,400.00	2.45	33,075.00	2.05	27,675.00
12,500 cubic yards concrete in sea wall, in- cluding reinforcements, etc.....	8.50	106,250.00	6.90	86,250.00	7.40, <sup>55</sup> / <sub>100</sub>	92,568.75
5,800 cubic yards reinforced concrete in re- taining walls, including reinforcements, drains, etc.....	14.00	81,200.00	10.40	60,320.00	10.78	62,524.00
Total.....		289,633.75		241,780.00		248,922.70

## WORK SEPARATELY—(b) FILL, SOIL, AND SOD.

	Names and addresses of bidders.							
	(3) Bowers South- ern Dredging Co., Galveston, Tex.		(4) Chas. S. Pat- terson, Port Boli- var, Tex.		(5) North Ameri- can Dredging Co. of Nevada, Gal- veston, Tex.		(6) John Jacob- son, Texas City, Tex.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
950,000 cubic yards fill.....	\$0. 08	\$76,000.00	\$0. 09½	\$93,812.50	\$0. 09, <sup>73</sup> / <sub>100</sub>	\$92,435.00	\$0. 08, <sup>3</sup> / <sub>100</sub>	\$84,550.00
15,000 cubic yards of soil with sod.....	.90	13,500.00	1.75	26,250.00	1.00	15,000.00	1.50	22,500.00
Total.....		89,500.00		120,062.50		107,435.00		107,050.00

## ALTERNATE PROPOSITION FOR DELIVERY OF MATERIALS.

	(9) Isaac Heffron, Galveston, Tex.	
	Unit price.	Amount.
73,500 linear feet round piling.....	\$10. 41	\$7,651.35
1,765,000 feet b. m. sheet piling.....	20.41, <sup>6</sup> / <sub>100</sub>	36,034.24
6,500 cubic yards sharp sand.....	1.30	8,450.00
17,300 cubic yards broken stone.....	2.69	46,537.00
20,000 barrels cement.....	1.90	38,000.00
867,500 pounds steel rods.....	2.12½	18,434.38
200 linear feet 8-inch vitrified sewer pipe.....	.25	50.00
13,500 tons riprap.....	2.05	27,675.00
80,000 feet b. m. lagging, 2 by 8 inches, S. I. S., 2 E.....	23.40	1,872.00
50,000 feet b. m. braces, 2 by 4 inches, 4 by 4 inches, and 4 by 6 inches.....	21.60	1,080.00
Total.....		185,789.97

No. 3. Request that they have at least six months' time in which to do the filling.

No. 4. Bid not submitted in duplicate. Only one individual as guaranty.

No. 5. No evidence filed of authority of R. A. Perry, vice president and general manager to bind the company.

No. 6. Will undertake to complete fill within four months after completion of sea wall and retaining wall, and will start filling and complete part of fill before completion of walls as early as considered safe and advantageous without retarding progress of work as a whole.

No. 7. Names of all members of the firm not given.

No. 8. Names of all members of the firm not given.

Awarded to: No. 2 for sea wall and retaining wall and to No. 3 for fill, soil, and sod.

*Abstract of proposal for constructing concrete sidewalk, brick pavement, and concrete curbing at Fort Crockett Reservation, Galveston, Tex., received in response to advertisement dated July 1, 1909, and opened July 31, 1909, by Capt. John C. Oakes, Corps of Engineers, at Galveston, Tex.*

[Fort Crockett Reservation, Galveston, Tex.]

	Names and addresses of bidders.									
	(1) Kelso & Vautrin, Galveston, Tex.		(2) Jno. C. Underwood, Houston, Tex.		(3) Heffron & Falligant, Galveston, Tex.		(4) The Fred A. Jones Co., Houston, Tex.		(5) S. C. Leonard, Galveston, Tex.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
Laying 4,793 square yards concrete pavement in place.	\$1.00	\$4,793.00	\$1.12	\$5,368.16	\$0.97	\$4,649.21	\$1.27	\$6,087.11	\$1.14	\$5,464.02
Laying 12,611 square yards vitrified brick pavement in place (brick furnished by United States).....	.40	5,044.40	.23	2,900.53	.29½	3,751.77	.29	3,657.19	.34	4,287.74
9,200 linear feet concrete curbing in place.....	.42	3,864.00	.43	3,956.00	.44½	4,094.00	.53	4,876.00	.44	4,048.00
160 linear feet 6-inch vitrified sewer pipe in place.....	.20	32.00	.25	40.00	.25	40.00	.40	64.00	.14	22.40
Total.....		13,733.40		12,264.69		12,534.98		14,684.30		13,822.16

Awarded to No. 2.

#### RIVERS AND HARBORS.

*Abstract of proposals for redredging Turtle Cove Channel, Tex., received in response to poster and circular letter advertisement (10 days public notice) dated June 7, 1910, and opened June 17, 1910, by Maj. G. P. Howell, Corps of Engineers, at Galveston, Tex.*

[Preservation and maintenance of river and harbor works, Turtle Cove Channel, Tex.]

No.	Name and address of bidder.	3,400 linear feet.	Total.
1	Bowers Southern Dredging Co., Galveston, Tex.....	\$1.20	\$4,030.00

Awarded to Bowers Southern Dredging Co.

*Abstract of proposals for redredging Texas City Channel, Tex., received in response to advertisement dated July 1, 1909, and opened July 31, 1909, by Capt. John C. Oakes, Corps of Engineers, at Galveston, Tex.*

[Improving channel from Galveston Harbor to Texas City, Tex.]

No.	Names and addresses of bidders.	Approximately 34,000 lineal feet of channel.	Total.
1	John Jacobson, Texas City, Tex.....	\$1.89	\$64,260.00
2	Bowers Southern Dredging Co., Galveston, Tex.....	1.77	60,180.00

No. 1. Requests the privilege of renting sufficient pontoon line from the United States to increase his pipe line to the length required by specifications.

Awarded to No. 2.



*Abstract of proposals for dredging Port Bolivar Channel, Tex., received in response to advertisement dated July 10, 1909, and opened August 9, 1909, by Capt. John C. Oakes, Corps of Engineers, at Galveston, Tex.*

[Improving channel to Port Bolivar, Tex.]

No.	Names and addresses of bidders.	270,000 cubic yards.	Total.
1	John Jacobson, Texas City, Tex. ....	Cents. 11 <sup>23</sup> / <sub>100</sub>	\$32,130.00
2	Bowers Southern Dredging Co., Galveston, Tex. ....	13 <sup>1</sup> / <sub>4</sub>	37,125.00

No. 1. Conditioned on permission being granted to deposit material dredged from the outer 2,500 feet of Bolivar Channel, 800 feet eastward from the axis of the channel, on Bird Island Reef. Material dredged from the remainder of the channel and the turning basin to be put ashore on Bolivar Point.

No. 2. Request made to be allowed to deposit material dredged on outer 2,500 feet of channel in deep hole, Bolivar Roads.

Awarded to No. 1.

*Abstract of proposals for dredging in West Galveston Bay, Tex., received in response to advertisement dated July 6, 1909, and opened August 5, 1909, by Capt. John C. Oakes, Corps of Engineers, at Galveston, Tex.*

[Improving inland waterway on coast of Texas.]

No.	Name and address of bidder.	275,000 cubic yards.	Total.
1	Bowers Southern Dredging Co., Galveston, Tex. ....	Cents. 14 <sup>1</sup> / <sub>4</sub>	\$39,187.50

Request made for an additional 60 days in which to complete the work.

Awarded to No. 1.

*Abstract of proposals for creosoted material and lumber for "Galveston Ship Channel and Buffalo Bayou, Texas," received in response to advertisement dated Aug. 16, 1909, and opened Sept. 15, 1909, by Capt. John C. Oakes, Corps of Engineers, at Galveston, Tex.*

[Improving Galveston Ship Channel and Duffalo Bayou, Texas.]

	Names and addresses of bidders.					
	(1) American Creosote Works (Inc.), New Orleans, La.		(2) West Pascagoula Creosote Works, Gautier, Jackson County, Miss.		(3) Southern Creosoting Co. (Ltd.), Slidell, La.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
32,000 linear feet round piling, creosoted, 24 pounds per cubic foot, per linear foot.	\$0.31	\$9,920.00	\$0.39	\$12,480.00	\$0.42	\$13,440.00
1,000,000 feet b. m. 4 by 12 inches by 20 feet, creosoted, 24 pounds per cubic foot, per 1,000 feet b. m.	44.50	44,500.00	58.00	58,000.00	60.00	60,000.00
58,000 feet b. m. 6 by 8 inches by 18 feet, creosoted, 14 pounds per cubic foot, per 1,000 feet b. m.	36.50	2,117.00	49.00	2,842.00	47.15	2,734.70
25,000 feet b. m. 6 by 8 inches by 18 feet, uncreosoted, per 1,000 feet b. m.	(1)	(1)	34.00	850.00	(1)	(1)
Total.....	-----	56,537.00	-----	74,172.00	-----	-----

	Names and addresses of bidders.					
	(4) International Creosoting & Construction Co., Galveston, Tex.		(5) J. K. Joice, Chicago, Ill.		(6) Galveston Creosoting Co., Galveston, Tex.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
32,000 linear feet round piling, creosoted, 24 pounds per cubic foot, per linear foot.	\$0.40	\$12,800.00	\$0.50	\$16,000.00	\$0.45	\$14,400.00
1,000,000 feet b. m. 4 by 12 inches by 20 feet, creosoted, 24 pounds per cubic foot, per 1,000 feet b. m.	45.00	45,000.00	51.00	51,000.00	55.00	55,000.00
58,000 feet b. m. 6 by 8 inches by 18 feet, creosoted, 14 pounds per cubic foot, per 1,000 feet b. m.	31.00	1,798.00	40.00	2,320.00	35.00	2,030.00
25,000 feet b. m. 6 by 8 inches by 18 feet, uncreosoted, per 1,000 feet b. m.	17.50	437.50	22.00	550.00	18.00	450.00
Total.....	-----	60,035.50	-----	69,870.00	-----	71,880.00

<sup>1</sup> No bid.

No. 2. Price based on 24-pound treatment, but will not guarantee to impregnate the 4 by 12 inch by 20 foot lumber with more than 16 pounds of creosote oil per cubic foot. Deduction to be made from price for each pound the treatment is below 24 pounds at the rate of 75 cents per pound 1,000 feet board measure. No evidence filed of authority of person signing for the company to do so.

No. 3. Will begin shipment in January, 1910, or 90 days from receipt of order, and after beginning continue at such rate as may be desired. No evidence filed of authority of person signing for the company to do so.

No. 4. No evidence filed of authority of person signing for the company to do so.

No. 5. Request made for 30 days additional time to commence work.

No. 6. Bid contingent upon the condition that they shall not be held responsible for delays for non-delivery of green material by lumber mills with whom compelled to deal. Creosote oil which intend treating material will be best obtainable, and will pass any reasonable analysis. No evidence filed of authority of person signing for the company to do so.

Awarded to No. 1.

## DALLAS (TEX.) DISTRICT.

[Officer: Capt. A. E. Waldron, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for iron and steel to be delivered at Herrington, Tex., received in response to advertisement dated Jan. 28, 1910, and opened at Dallas, Tex., Mar. 5, 1910, by Capt. A. E. Waldron, Corps of Engineers.*

[Improving Brazos River, Tex., Old Washington to Waco.]

[Classification. All of the iron and steel described in paragraph 26 of the specifications under subheads which refer to plans.]

Proposal Number.	Names and addresses of bidders.					
	(1) Grainger & Co. (Inc.), Louisville, Ky.	(2) Independent Bridge Co., Pittsburg, Pa.	(3) Penn Bridge Co., Beaver Falls, Pa.	(4) Minneapolis Steel & Manufacturing Co., Minneapolis, Minn.	(5) The Richards Manufacturing Co., Bloomsburg, Pa.	(6) Steacy Schmidt Manufacturing Co., York, Pa.
Subheading (A), sheet No. B-100-29 of plans.....	\$1,470.00	\$1,461.00	\$1,790.00	\$2,120.00	\$1,650.00	\$1,675.60
Subheading (B), sheet No. B-100-28 of plans.....	3,965.50	3,324.00	4,990.00	4,169.00	5,253.00	4,034.73
Subheading (C), sheet No. B-100-26 of plans.....	1,672.50	2,773.00	2,240.00	2,155.00	2,488.00	5,144.68
Subheading (D), sheet No. B-100-31 of plans.....	1,066.00	1,100.00	2,020.00	1,125.00	1,030.00	1,089.73
Subheading (E), sheet No. B-100-22 of plans.....	10,800.00	10,557.00	12,340.00	14,890.00	16,884.00	16,562.68
Subheading (F), sheet No. B-100-24 of plans.....	550.00	703.00	1,066.00	750.00	600.00	634.19
Subheading (G), sheet No. B-100-23 of plans.....	400.00	390.00	538.00	584.00	577.00	685.12
Subheading (H), sheet No. B-100-35 of plans.....	185.00	153.00	195.00	175.00	147.00	225.00
Subheading (I), sheet No. B-100-34 of plans.....	2,800.00	3,615.00	3,598.00	3,715.00	4,981.00	4,064.77
Subhead (J), not shown on sheet.....	263.00	238.00	285.00	307.00	300.00	457.00
Grand total.....	23,172.00	24,314.00	29,062.00	29,990.00	33,910.00	34,573.50

Contract was awarded to Grainger &amp; Co. (Inc.).

*Abstract of proposals for jetty work at Sabine Pass, Tex., received in response to advertisement dated Oct. 27, 1909, and opened 12 m., Nov. 29, 1909, by Capt. A. E. Waldron, Corps of Engineers, at Dallas, Tex.*

[Sabine Pass, Tex., repairing jetties.]

No.	Names of bidders.	1,800 granite blocks, transferring.		13,000 tons riprap stone, placed.		12,000 cubic yards concrete placed.		Total.
		Price per block.	Extension.	Price per ton.	Extension.	Price per cubic yard.	Extension.	
1	Peter Eskold, Biloxi, Miss., and Lester F. Alexander, Pilot Town, La.....	\$10.00	\$18,000.00	\$3.65	\$47,450.00	\$7.65	\$91,800.00	\$157,250.00
2	David M. Picton & Co., Galveston, Tex.....	4.97	8,946.00	2.97	38,610.00	7.30	87,600.00	135,156.00
3	Charles Clarke & Co., Galveston, Tex.....	6.00	10,800.00	2.80	36,400.00	7.75	93,000.00	140,200.00
4	The John T. Ireland Co., Port Arthur, Tex.....	5.00	9,000.00	2.95	38,350.00	9.17	110,040.00	157,390.00

Contract was awarded to David M. Picton &amp; Co.

*Abstract of bids for the completion of lock and dam No. 6, Trinity River, Tex., received in response to poster and circular letter dated Apr. 30, 1910, and opened at United States Engineer Office, Dallas, Tex., at 12 m., May 10, 1910, by Capt. A. E. Waldron, Corps of Engineers.*

Classification.	Estimated quantities.				(1) J. G. White & Co. (Inc.).		(2) Ball Engineering Co.	
	Unit.	Approximate quantities.	May be increased.	May be decreased.				
			<i>Per ct.</i>	<i>Per ct.</i>				
Excavation.....	Cubic yards...	6,000	50	50	\$0.75	\$4,500.00	\$1.00	\$6,000.00
Round timber.....	Linear feet.....	2,000	50	50	.16	320.00	.50	1,000.00
Round piles.....	.....do.....	14,060	30	50	.37	5,202.20	.50	7,030.00
Brush.....	Cords.....	5	200	100	9.98	49.90	10.00	50.00
Concrete.....	Cubic yards.....	2,500	20	15	11.00	27,500.00	11.00	27,500.00
Boulé gates.....	Feet b. m.....	7,400	25	15	80.00	592.00	125.00	925.00
Oak timber.....	.....do.....	60	100	50	.15	9.00	.10	6.00
Timber in permanent work.....	.....do.....	50,750	25	25	75.00	3,806.25	135.00	6,851.25
Timber in cribs.....	.....do.....	11,100	25	25	46.00	510.60	80.00	888.00
Riprap.....	Cubic yards.....	1,900	50	25	5.75	10,925.00	6.50	12,350.00
Iron and steel.....	Pounds.....	170,000	25	25	.09	15,300.00	.12	20,400.00
Steel reinforcing rods.....	.....do.....	47,000	30	30	.07	3,290.00	.08	3,760.00
Chain.....	.....do.....	6,600	50	30	.09	594.00	.12	792.00
Drift bolts.....	.....do.....	500	50	50	.06	30.00	.07	35.00
Sheet piling.....	Feet b. m.....	22,000	25	25	72.00	1,584.00	80.00	1,760.00
Sheet piling, steel.....	Square feet.....	1,800	50	50	1.50	2,700.00	2.25	4,050.00
Plain filling.....	Cubic yards.....	3,500	50	50	.30	1,050.00	.50	1,750.00
Compacted filling.....	.....do.....	500	50	50	.50	250.00	.60	300.00
Riprap paving.....	Square feet.....	4,725	75	25	.27	1,275.75	.55	2,598.75
Paving on spalls.....	.....do.....	4,785	50	50	.32	1,531.20	.60	2,871.00
Paving in concrete.....	.....do.....	1,537	75	50	.35	537.95	.75	1,152.75
Paving for cribs.....	.....do.....	410	25	25	.364	149.65	.50	205.00
Sand bags.....	Each.....	1,000	100	100	.10	100.00	.25	250.00
Gauges.....	Linear feet.....	22	10	10	3.00	66.00	4.00	88.00
Crab, crane, and service car.....	Pounds.....	2,550	25	25	.25	637.50	.25	637.50
Frames with rollers.....	Each.....	434	10	-----	5.00	2,170.00	12.00	5,208.00
Drains under lock floor.....	Linear feet.....	580	20	20	.55	319.00	1.00	580.00
Total.....	-----	-----	-----	-----	-----	85,000.00	-----	109,038.25

Contract was awarded to J. G. White & Co. (Inc.).

*Abstract of proposals for constructing complete wooden hull snagboat Waco, received in response to advertisement dated July 10, 1909, and opened Aug. 10, 1909, by Capt. A. E. Waldron, Corps of Engineers, at Dallas, Tex.*

[Brazos River, Tex., Velasco to Old Washington.]

Name of bidder.	Price.	Place of delivery.
Ed. J. Howard, Jeffersonville, Ind.....	\$30,536.00	Mouth of Red River, La.
M. A. Sweeney Shipyard & Foundry Co., Jeffersonville, Ind.	{ 28,490.00 27,700.00	{ Velasco, Tex. New Orleans or mouth of Red River, La.
The Johnson Iron Works (Ltd.), New Orleans, La..	37,825.00	Velasco, Tex.

Remarks: Letter attached to bid states that if Gillett & Eaton steamboat engine and doctor are used a reduction of \$1,000 would be made in estimate.

Contract was awarded to M. A. Sweeney Shipyard & Foundry Co.

## VICKSBURG (MISS.) DISTRICT.

[Officer: Capt. C. S. Smith, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for about 26,000 cubic yards of levee work on Big Sunflower River, Mississippi, received in response to advertisement dated July 19, 1909, and opened at 12 o'clock noon, this date, by Capt. Clarke S. Smith, Corps of Engineers.*

[Appropriation for improving Big Sunflower River, Miss.]

No.	Names and addresses of bidders.	Price per cubic yard.	Amount.	Remarks.
1	Morrison Bros., Baleshed, Miss....	Cents. <sup>1</sup> 25 <sup>4</sup> / <sub>100</sub>	\$8,617.00	Not stated that signature to proposal is by member of firm and names of members of firm not given; unexplained alteration in first line of guaranty in one copy of proposal; full name of one guarantor not signed as stated in guaranty. Proposal not dated; county not stated in address of bidder; certificate regarding guarantors made by notary public; and unexplained erasures and alterations in one copy.
2	Geo. Miller, Longwood, Miss.....	27 <sup>1</sup> / <sub>2</sub>	7,150.00	

<sup>1</sup> Accepted.

*Abstract of proposals for furnishing 14,000 barrels of Portland cement for use in construction of Locks and Dams Nos. 4 and 8, Ouachita River, Louisiana and Arkansas, received in response to advertisement dated September 16, 1909, and opened at 12 o'clock noon, October 5, 1909, by Capt. Clarke S. Smith, Corps of Engineers, Vicksburg, Miss.*

[Appropriation for preservation and maintenance of river and harbor works. Improving Ouachita River, Ark. and La.]

No.	Names and addresses of bidders.	7,000 barrels delivered at Callon or Stark, Ark.				7,000 barrels delivered at "lock switch," St. Louis, Iron Mountain and Southern Ry., Monroe, La.				Charge per sack not returned.
		Price per barrel in wooden barrels.	Amount.	Price per barrel in sacks.	Amount.	Price per barrel in wooden barrels.	Amount.	Price per barrel in sacks.	Amount.	
1	Glencoe Lime & Cement Co., St. Louis, Mo. <sup>1</sup> .....	\$2.45	\$17,150.00	\$2.10	\$14,700.00	\$2.43	\$17,010.00	\$2.07	\$14,490.00	Cents. 10
2	United Kansas Portland Cement Co., Kansas City, Mo. <sup>2</sup> .....	.....	.....	\$1.67	11,690.00	.....	.....	\$1.44	10,080.00	
3	The Atlas Portland Cement Co., 30 Broad St., New York, N. Y.....	2.44	17,080.00	2.08	14,560.00	1.88	13,160.00	1.55	10,850.00	7 <sup>1</sup> / <sub>2</sub>

<sup>1</sup> Lehigh brand to be furnished; evidence of authority of C. W. S. Cobb, president, to make bid not furnished; address not given at end of bid.

<sup>2</sup> No bid for delivery in wooden barrels; evidence of authority of B. E. Allison, sales manager, and W. S. Goodin, secretary, to make bid not furnished; guaranty informal, signed by The United States Fidelity & Guaranty Co. on form to be filled in when guarantors are individuals, and blank spaces not filled in.

<sup>3</sup> Accepted.

*Abstract of proposals for constructing about 6,000 cubic yards of enlargement work on West Pass Levee, received in response to advertisement dated November 10, 1909, and opened at 12 o'clock noon, this date, by Capt. Clarke S. Smith, Corps of Engineers.*

[Appropriation for preservation and maintenance of river and harbor works, allotment for "Yazoo River, at mouth."]

No.	Name and address of bidder.	Price per cubic yard.	Amount.
1	H. F. Garbish, Vicksburg, Miss.....	Cents. 33	\$1,980

Remarks: Bid dated Nov. 18, 1909. Guaranty states that bid is dated Nov. 20, 1909.  
Work authorized by the Chief of Engineers, dated Oct. 18, 1909.  
Bid accepted.

*Abstract of proposals for furnishing explosives to works of the Vicksburg (Miss.) district, in quantities as required during the fiscal year ending June 30, 1911; received in response to advertisement dated Apr. 30, 1910, and opened at United States engineer office, Vicksburg, Miss., at 3 o'clock p. m., May 31, 1910.*

Articles.	Estimated quantities.	Unit.	Name and address of bidder.			
			(1) Texas Dynamite Co., Beaumont, Tex.		(2) E. I. du Pont de Nemours Powder Co., Wilmington, Del.	
			Unit price.	Amount.	Unit price.	Amount.
<b>Dynamite:</b>						
40 per cent nitroglycerine.....	30,000 pounds...	Pound..	\$0.13½	\$4,125.00	1 \$0.13½ 2 14 3 13½ 4 14½	\$1,272.00 63.00 2,430.00 277.88
60 per cent nitroglycerine.....	3,000 pounds....	...do....	.15½	472.50	1 15½ 2 16 3 15½ 4 16½	146.40 7.20 279.00 31.69
Judson powder.....	5,000 pounds....	...do....	.10	500.00	1 .09½ 2 .10 3 .09½ 4 .10	475.00 ..... ..... .....
<b>Platinum fuses:</b>						
4-foot wires.....	12,000.....	100.....	3.00	360.00	5 2.25 6 2.61 7 2.76	..... 281.88 33.12
24-foot wires.....	1,000.....	100.....	9.32	93.20	8 8.02 7 8.49	..... 84.90
Leading wire: Cotton covered.....	3,500 feet.....	Foot....	.01	35.00	8 .20	13.46
Safety fuse: Triple tape.....	3,000 feet.....	1,000 feet	5.15	15.45	4.73	14.19
Blasting caps: Triple force.....	1,000.....	100.....	.62½	6.25	6 .65 7 .67	6.50 .....
<b>Blasting machines:</b>						
No. 3.....	1.....	Each....	15.00	15.00	15.20	15.20
No. 4.....	1.....	...do....	30.00	30.00	30.30	30.30
<b>Total</b> .....				5,652.40		5,461.72

The prices in bids Nos. 2 and 3 are referenced as follows:

1 Delivered in Arkansas in ton lots.

2 Delivered in Arkansas in less than ton lots.

3 Delivered in Louisiana and Mississippi in ton lots.

4 Delivered in Louisiana and Mississippi in less than ton lots.

5 In one shipment of 5,000 or more.

6 In one shipment of 1,000 or more.

7 In shipments of less than 1,000.

8 Per pound, 32 feet to pound.



*Abstract of proposals for furnishing explosives to works of the Vicksburg (Miss.) district, in quantities as required during the fiscal year ending June 30, 1911, etc.—Con.*

Articles.	Estimated quantities.	Unit.	Name and address of bidder.			
			(3) Independent Powder Co. of Missouri, Joplin, Mo.		(4) Illinois Powder Manufacturing Co., St. Louis, Mo.	
			Unit price.	Amount.	Unit price.	Amount.
Dynamite:						
40 per cent nitroglycerine.....	30,000 pounds...	Pound...	\$0.13 $\frac{1}{4}$	\$1,272.00	\$0.14	\$4,200.00
			2.14	63.00		
			3.13 $\frac{1}{2}$	2,430.00		
			4.14 $\frac{1}{2}$	277.88		
60 per cent nitroglycerine.....	3,000 pounds....	do.....	1.15 $\frac{1}{4}$	146.40		
			2.16	7.20	.16	480.00
			3.15 $\frac{1}{2}$	279.00		
			4.16 $\frac{1}{2}$	31.69		
Judson powder.....	5,000 pounds....	do.....	1.09 $\frac{1}{2}$	475.00		
			2.10		.10	500.00
			3.09 $\frac{1}{2}$			
			4.10			
Platinum fuses:						
4-foot wires.....	12,000.....	100.....	52.59	279.72	2.25	270.00
			62.74	32.88		
24-foot wires.....	1,000.....	100.....	8.09		6.99	69.90
			8.53	85.30		
Leading wire: Cotton covered.....	3,500 feet.....	Foot.....	.00 $\frac{1}{4}$	8.75	.008	28.00
Safety fuse: Triple tape.....	3,000 feet.....	1,000 feet	4.63	13.89	4.63	13.89
Blasting caps: Triple force.....	1,000.....	100.....	5.61	6.10	.75	7.50
			6.63			
Blasting machines:						
No. 3.....	1.....	Each....	15.19	15.19	15.00	15.00
No. 4.....	1.....	do.....	30.28	30.28	30.00	30.00
Total.....				5,454.28		5,614.29

The prices in bids Nos. 2 and 3 are referenced as follows:

- <sup>1</sup> Delivered in Arkansas in ton lots.
- <sup>2</sup> Delivered in Arkansas in less than ton lots.
- <sup>3</sup> Delivered in Louisiana and Mississippi in ton lots.
- <sup>4</sup> Delivered in Louisiana and Mississippi in less than ton lots.
- <sup>5</sup> In one shipment of 1,000 or more.
- <sup>6</sup> In shipments of less than 1,000.

#### REMARKS.

A review of the purchases made during the fiscal year 1910 shows the following relative proportions:

Dynamite (1) delivered in Arkansas in lots of 2,000 pounds or more, 32 per cent; (2) in less than ton lots but exceeding 200 pounds, 1.5 per cent; (3) delivered in Mississippi and Louisiana in lots of 2,000 pounds or more, 60 per cent; (4) in less than ton lots but exceeding 200 pounds, 6.5 per cent. There was only one shipment of dynamite less than 200 pounds (50 pounds), in a special case, which probably will not be repeated next year.

Judson powder (1) delivered in Arkansas (for United States quarry) in ton lots, 100 per cent.

Platinum fuses, 4 foot wires, (5) in shipments of 1,000 or more, 90 per cent; (7) in shipments of less than 1,000, 10 per cent; 24-foot wires (7) in shipments of less than 1,000, 100 per cent.

Blasting caps (7) in shipment of 1,000, 100 per cent.

Bids Nos. 2 and 3 have been canvassed on the above basis, as the requirements during the fiscal year 1911 probably will closely approximate the above proportions.

Bid No. 1. Guaranty informal and not in accordance with paragraph 1, General Instructions for bidders, or specification 1. Magazine located at Montegut, La., or factory at Beaumont, Tex.

Bid No. 2. Form of proposal changed by bidder contrary to paragraph 6 of General Instructions. Prices of dynamite and Judson powder not written as required by paragraph 12 of General Instructions. Proposal is for "single strength" platinum fuses; "best quality" used in specifications means "double strength." Proposal provides for delivery of dynamite and Judson powder in lots less than 200 pounds, f. o. b. Shreveport or New Orleans, La., or Memphis, Tenn. Magazines located at Memphis, Tenn., New Orleans and Shreveport, La.

Bid No. 3. Evidence of authority for signature to bid not filed. Form of proposal changed by bidder contrary to paragraph 6 of General Instructions. All prices not written as required by paragraph 12 of General Instructions. No bid made for delivering less than 200 pounds of dynamite or Judson powder. Name of bidder and date of bid not inserted in guaranty. Magazines located at Monroe, New Orleans, Slidell, La., Memphis, Tenn., Little Rock and Fort Smith, Ark., Joplin and St. Louis, Mo.

Bid No. 4. Evidence of authority for signature to bid not filed. Cashier's check of the State National Bank of St. Louis for \$1,000 submitted in lieu of guaranty. Magazines located at East St. Louis, Ill., St. Louis, Mo., Little Rock and Camden, Ark.

Bid No. 3 accepted.

## LITTLE ROCK (ARK.) DISTRICT.

(Maj. M. L. Walker, Corps of Engineers.)

## RIVERS AND HARBORS.

*Abstract of proposals for stern-wheel steam towboat for Upper White River, Ark., received in response to advertisement dated Nov. 1, 1909, and opened by Maj. M. L. Walker, Corps of Engineers, Little Rock, Ark., at 11 a. m., Dec. 1, 1909.*

Appropriation for operating and care of canals and other works of navigation: indefinite, Upper White River, Ark.]

	Names and addresses of bidders.		
	(1) The Chas. Ward Engineering Works, Charleston, W. Va.	(2) The Ohio River Contract Co., Evansville, Ind.	(3) The Ohio River Contract Co., Evansville, Ind.
Name of boat.....	To be built.....	S. P. Gillett.....	R. J. Armstrong.
Location of boat.....	Steel.....	Grand Tower, Ill....	Irvine, Ky.
Kind of hull.....	105 x 22 x 4 feet....	Wood.....	Wood.
Dimensions of hull.....		122 x 23 x 5 feet....	88 feet 8 inches x 19½ inches x 3 feet 1½ inches.
Load draft.....	28 inches.....	41 inches.....	34 inches.
Number of boilers.....	1.....	3.....	2.
Dimensions of boilers.....	1,000 feet H. S.....	38 inches x 26 feet...	37 inches x 18 feet.
Steam pressure.....	175 pounds.....	177 pounds.....	197 pounds.
Engines.....	7 x 15 x 10 inches...	15 inches x 5 feet....	10 inches x 4 feet.
Type.....	Compound.....	California cut-off....	G. & E. cut-off.
Age of hull.....	New.....	8 years.....	2 years.
Age of boilers.....	do.....	do.....	Do.
Electric light.....	No.....	Yes.....	Yes.
Capstans.....	1.....	1 steam, 2 hand.....	1 steam.
Equipment.....	No.....	Complete.....	Partial.
Price.....	\$18,000.....	\$13,000.....	\$13,000.

	Names and addresses of bidders.			
	(4) Ernest B. Suiter, Proctorville, Ohio.	(5) The Chas. Barnes Co., Cincinnati, Ohio.	(6) E. T. Slider, New Albany, Ind.	(7) W. P. Needham, Point Pleasant, W. Va.
Name of boat.....	Katie Mc.....	Building.....	E. T. Slider..	Nellie.
Location of boat.....	Ohio River....	Cincinnati, Ohio.	New Albany, Ind.	Marietta, Ohio.
Kind of hull.....	Wood.....	Wood.....	Wood.....	Wood.
Dimensions of hull.....	100 x 18 feet x 2 feet 10 inches.	125 x 26 x 4 feet.	110 x 24 x 4 feet.	108 feet x 28 feet 7 inches x 3 feet.
Load draft.....	24 inches.....	26 inches.....	36 inches.....	28 inches.
Number of boilers.....	1.....	3.....	2.....	2.
Dimensions of boilers.....	43 inches x 18 feet.	38 inches x 18 feet.	36 inches x 26 feet.	38 inches x 18 feet.
Steam pressure.....	182 pounds.....	200 pounds.....	191 pounds.....	150 pounds.
Engines.....	9½ inches x 3½ feet.	15 inches x 5 feet.	12 inches x 5 feet.	12 inches x 3 feet.
Type.....	Slide valve....	California cut-off.	California cut-off.	Slide valve.
Age of hull.....	7 years.....	New.....	9 years.....	5 years.
Age of boilers.....	6 years.....	do.....	do.....	20 years.
Electric light.....	No.....	No.....	Yes.....	Yes.
Capstans.....	1 steam.....	1 steam.....	1 steam, 2 hand	1 steam.
Equipment.....	Partial.....	Complete.....	Partial.....	None.
Price.....	\$6,000.....	\$15,900.....	\$7,500 <sup>1</sup> .....	\$8,000.

<sup>1</sup> Recommended for acceptance.

NOTE.—This boat was not purchased through the fact that it was sold to other parties just as arrangements had been completed for the making of a trial trip.

## ST. LOUIS, (MO.) DISTRICT.

[Officer: Lieut. C. H. Knight, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for 15,000 cubic yards stone, and 3,000 cubic yards spalls, received in response to advertisement dated July 10, 1909, and opened Aug. 13, 1909, by Lieut. C. H. Knight, Corps of Engineers, St. Louis, Mo.*

No.	Names and addresses of bidders.	Stone.			Spalls.			Location of landings.
		Quantity.	Unit price.	Amount.	Quantity.	Unit price.	Amount.	
1	K. H. Killebrew, Bowman, Mo.	6,000	<i>Cents.</i> 69	\$4,140	2,000	<i>Cents.</i> 69	\$1,380	Not stated (114 miles below St. Louis).
2	Albert Bussen, Jefferson Barracks, Mo.	5,000	70	3,500	1,000	70	700	Quarantine (12 miles below St. Louis).
3	Herman W. Bussen, Jefferson Barracks, Mo.	2,000	70	1,400	-----	-----	-----	Whitehouse, Mo. (17 miles below St. Louis).
4	Grafton Quarry Co., St. Louis, Mo.	1,500	80	1,200	500	80	400	Grafton, Ill. (38 miles above St. Louis).
5	The Rock Products Co., Cape Girardeau, Mo.	6,000	74	4,440	1,000	74	740	Grays Point, Mo. (132 miles below St. Louis.)
6	E. F. Wall, jr., Elizabethtown, Ill.	5,000	65	3,250	2,000	60	1,200	Walls Landing, Jacks Point, or Rose Clare, Ill. (Ohio River, 85 miles above Cairo).
7	John F. Oliver, Neelys Landing, Mo.	300	68	204	500	65	325	1 mile above Neelys Landing, Mo. (107 miles below St. Louis).

Rejected: Nos. 4, 6, prices excessive, considering distances of towage.

Rejected: No. 7, quantity bid upon too small to justify contract.

Awards: No. 1, 6,000 cubic yards stone, 1,200 cubic yards spalls; No. 2, 3,000 cubic yards stone, 1,000 cubic yards spalls; No. 3, 2,000 cubic yards stone; No. 5, 4,000 cubic yards stone, 800 cubic yards spalls.

*Abstract of proposals for dredging and removal of cemented gravel and small boulders in Mississippi River at Grand Tower, Ill., received in response to advertisement dated Aug. 12, 1909, and opened Sept. 4, 1909, by Lieut. C. H. Knight, Corps of Engineers, St. Louis, Mo.*

No.	Names and addresses of bidders.	Dredging per cubic yard.	Towage per mile.	Estimated amount.
1	Ohio River Contract Co., Evansville, Ind.....	\$0.27½	\$1.25	\$13,500.00
2	Monongahela & Western Dredging Co., Pittsburg, Pa.....	1.50	3.00	64,432.50

Awarded to No. 1.

*Abstract of proposals for 600,000 bushels coal, received in response to advertisement dated June 6, 1910, and opened June 27, 1910, by Lieut. C. H. Knight, Corps of Engineers, St. Louis, Mo.*

[Unit prices are expressed in cents.]

Number.	Names and addresses of bidders and kind proposed to be furnished.	Quantity proposed to furnish.	20,000 bushels in cars at United States engineer depot, St. Louis, Mo.			325,000 bushels on barges.	255,000 bushels for steamboats and snag boats.						Amount.	Landings for barges, steamboats, snag boats dredges, etc.			
			Lump.	Mine run.	Screenings.		Lump.	Mine run.	Screenings.	Mine run.		Lump			Screenings.		
										On board.	On flats.	On board.			On flats.	On board.	On flats.
1	Madison Coal Corporation, St. Louis, Mo. Eureka coal from mines at Marissa, Ill.; Ritchey coal from mines at Pinckneyville.	Bush. 120,000 20,000 20,000 175,000 75,000 153,000 150,000 150,000 150,000 150,000 150,000	7	6½	6½	8	7	7	9	8	8	7	8	7	\$1,400.00 1,300.00 1,300.00 6,000.00 5,250.00 5,250.00 4,500.00 4,000.00 4,000.00 3,500.00 4,000.00 3,500.00 4,000.00 3,500.00	St. Louis, Mo.	
2	Monongahela River Consolidated Coal & Coke Co., Pittsburgh, Pa. From company's mines on Monongahela River.  Cypress Creek, West Kentucky Coal.	110,000 110,000 20,000 20,000 25,000 25,000 10,000 20,000 20,000 10,000 10,000 15,000 15,000 2,000 2,000 110,000 20,000 25,000 10,000 20,000 110,000 115,000 12,000 125,000 125,000 125,000 125,000			15	14			14	13	14	13	15	16,500.00 15,400.00 2,800.00 2,600.00 3,500.00 3,250.00 1,500.00 3,200.00 3,000.00 1,600.00 1,500.00 2,400.00 2,250.00 340.00 320.00 14,300.00 2,200.00 2,750.00 1,500.00 2,600.00 1,300.00 2,100.00 280.00 3,375.00 3,125.00 3,125.00 2,812.50 2,375.00 2,187.50	Thebes, Ill. <sup>2</sup> Cairo, Ill. <sup>2</sup> Memphis, Tenn. Helena, Ark. <sup>2</sup> Greenville, Miss. Vicksburg, Miss. Natchez, Miss. New Orleans, La. Thebes, Ill. <sup>2</sup> Cairo, Ill. <sup>2</sup> Memphis, Tenn. Helena, Ark. <sup>2</sup> Greenville, Miss. Vicksburg, Miss. Natchez, Miss. New Orleans, La.		
3	West Kentucky Coal Co., New York, N. Y.: Tradewater coal from mines at Sturgis, Ky. No. 9 vein.	110,000 110,000 110,000 110,000 110,000 110,000 120,000 120,000 120,000 120,000 120,000 120,000 120,000 120,000 120,000						13½	12½	12½	11½	9½	8½	1,400.00 1,300.00 1,300.00 1,200.00 1,050.00 1,950.00 2,800.00 2,600.00 2,600.00 2,400.00 2,400.00 2,100.00 1,900.00	Memphis, Tenn.  White River, Ark.  Greenville, Miss.		

<sup>1</sup> Awarded to the Madison Coal Corporation, 145,000 bushels, at St. Louis, Mo.; Monongahela River Consolidated Coal & Coke Co., 27,000 bushels, at Vicksburg, Natchez, and New Orleans; West Kentucky Coal Co., 55,000 bushels, at Memphis, White River, and Greenville.

<sup>2</sup>No award at Thebes, Ill., Cairo, Ill., Helena, Ark.—prices excessive.

## ST. PAUL (MINN.) DISTRICT.

[Officer: Maj. F. R. Shunk, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for two lock gates and one wagon bridge, required in the construction of Sandy Lake Dam, Minnesota, received in response to advertisement dated Aug. 23, 1909, by Maj. Francis R. Shunk, Corps of Engineers, St. Paul, Minn., under appropriation for Reservoirs at headwaters of Mississippi River. Reconstruction of Sandy Lake Dam.*

Name of bidder.	Delivery at—	Price for all.
St. Paul Foundry Co.....	St. Paul, Minn.....	\$5,700.00

Contract entered into September 8, 1909.

*Abstract of proposals for 1,100 cubic yards of boulders, required for embankment at Leech Lake Dam, Minnesota, received in response to advertisement dated July 21, 1909, by Maj. Francis R. Shunk, Corps of Engineers, St. Paul, Minn., under appropriation for "Operating and care of canals and other works of navigation indefinite; care, etc., of reservoirs at headwaters of Mississippi River."*

Names and addresses of bidders.	Price per cubic yard.
Herbert A. Warring, Bena, Minn.....	\$3.15
Erick Forsberg, Bena, Minn. <sup>1</sup> .....	3.35
A. Harmon & Gust Forsberg, Bena, Minn.....	3.50
C. E. Seelye, Bena, Minn.....	3.85
George Galbreath, Bena, Minn.....	4.25
Chas. Harmon, Bena, Minn.....	5.50

Contract entered into August 27, 1909.

## KANSAS CITY (MO.) DISTRICT.

[Officer: Maj. Edward H. Schulz, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposal dated July 13, 1909, dikes and revetment (First Reach, Missouri River), opened Aug. 16, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) Swift & Rust, St. Louis, Mo.		(2) A. W. Farney, Kansas City, Mo.		(3) Jas. Trainor, Little Rock, Ark.		(4) R. O. Shobe, Chamois, Mo.		(5) E. M. Lampkins Co., Kansas City, Mo.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.
<b>ITEM No. 1.</b>										
Above Missouri City, near Blue Mills Island:										
1 pile dike, 3-row, 200 feet long, yellow pine.			\$15.44	\$3,088			\$12.75 <sup>1</sup> 10.75	\$2,550 <sup>1</sup> 2,150	\$15.75	\$3,150
At Napoleon, Mo.:										
2 pile dikes, 3-row, 200 feet long:										
Yellow pine.....			14.89	7,445			12.75 <sup>1</sup> 10.75	6,375 <sup>1</sup> 5,375	15.75	7,875
Cottonwood.....										

<sup>1</sup>Accepted.

*Abstract of proposal dated July 13, 1909, dikes and revetment (First Reach, Missouri River), opened Aug. 16, 1909, by Maj. Edward H. Schulz, Corps of Engineers—Con.*

Quantities and articles.	(1) Swift & Rust, St. Louis, Mo.		(2) A. W. Farney, Kansas City, Mo.		(3) Jas. Trainor, Little Rock, Ark.		(4) R. O. Shobe, Chamois, Mo.		(5) E. M. Lampkins Co., Kansas City, Mo.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.	Price.	Amount.
<b>ITEM No. 2.</b>										
Above Lexington, Mo.:										
1 pile dike, 3-row, 200 feet long, yellow pine.....			11.75	<sup>1</sup> 2,350			12.00	2,400	15.75	3,150
1 pile dike, 3-row, 1,500 feet long, yellow pine.....			11.75	<sup>1</sup> 17,625			11.70	17,550	15.75	23,625
1 stay dike, 2-row, 100 feet long, yellow pine.....			6.77	<sup>1</sup> 677			8.75	875	9.50	950
1 cross dike, 2-row, 500 feet long, yellow pine.....			6.77	<sup>1</sup> 3,385			8.75	4,375	9.50	4,750
<b>ITEM No. 4.</b>										
Opposite Frankfort, Mo.:										
1 pile dike, 3-row, 500 feet long, yellow pine.....			13.79	6,895			12.20	6,100	15.75	7,875
1 pile dike, 3-row, 200 feet long, yellow pine.....			15.44	3,088			12.40	2,480	15.75	3,150
<b>ITEM No. 5.</b>										
In Nigger Bend, below Glasgow, Mo.:										
2,000-foot revetment.....			90.00	18,000	\$9.48	\$18,960	7.90	<sup>1</sup> 15,800	11.50	23,000
<b>ITEM No. 7.</b>										
Hartsburg, Mo.:										
9 pile dikes, 3-row, 1,700 feet in all, yellow pine.....	\$13.30	\$22,610	13.25	<sup>1</sup> 22,525					15.75	15,750

<sup>1</sup> Accepted.

*Abstract of proposal dated Aug. 15, 1909, blankets (Gasconade boat yard, Gasconade, Mo.), opened Aug. 25, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and articles.	(1) P. T. McGovern, St. Louis, Mo.
	Price.
100 double blankets, 60 by 80:	
Nyack, 10/4.....	\$3.25
Nyack, 11/4.....	4.00
Sumatra, 10/4.....	2.50
Seminole, 10/4.....	2.50
Syracuse, 10/4.....	2.75
Plover, 10/4.....	<sup>1</sup> 1.30

<sup>1</sup> Accepted.



*Abstract of proposal dated Aug. 14, 1909, rough lumber (snagboats Missouri and McPherson), opened Aug. 30, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) G. H. Marting Lumber Co., St. Louis, Mo.		(2) Merrill & Co., Kansas City, Mo.		(3) P. L. Jordan, Welcome, Mo. <sup>1</sup>	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
Clear white oak:						
25 pieces, 1½ by 8 inches by 12 feet, S2S .....	\$1.00	\$25.00	\$40.00	\$16.00	\$27.00	.....
15 pieces, 1 by 3 inches by 12 feet S2S .....	.25	3.75	40.00	3.60	27.00	.....
100 pieces, 2½ by 12 inches by 12 feet .....	2.50	250.00	40.00	144.00	27.00	.....
100 pieces, 2½ by 14 inches by 12 feet, S2S .....	3.00	300.00	42.50	178.50	27.00	.....
50 pieces, 2½ by 16 inches by 12 feet, S2S .....	4.00	200.00	47.50	114.00	27.00	.....
100 pieces, 3 by 11 inches by 8 feet, S2S .....	2.00	200.00	37.50	82.50	27.00	.....
Bucket plank, oak:						
30 only, 1½ by 10 inches by 19 feet.....	2.50	75.00	40.00	40.00	27.00	.....

<sup>1</sup> Accepted.

*Abstract of proposal dated Sept. 4, 1909, dikes and revetment (on first reach of Missouri River), opened Sept. 14, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) A. W. Farney, Kansas City, Mo.		(2) Swift & Rust, St. Louis, Mo.		(3) R. O. Shobe, Chamois, Mo.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
ITEM No. 3.						
In Baltimore Bend:						
2 pile dikes, 3-row, 230 feet each, of yellow pine	\$13.25	\$6,095.00	\$13.15	\$6,049.00	\$12.75	<sup>1</sup> \$5,865.00
In Waverly Bend:						
2 pile dikes, 3-row, 200 feet each.....	13.25	5,300.00	13.15	5,260.00	12.75	<sup>1</sup> 5,100.00
In Hills Bend, below Waverly, Mo.:						
1 pile dike, 3-row, 250 feet, of yellow pine.....	13.25	3,312.50	13.15	3,287.50	12.75	<sup>1</sup> 3,187.50
Above Miami, Mo., head of Prunty Island:						
1 pile dike, 3-row, 250 feet long, yellow pine...	13.25	3,312.50	13.15	3,287.50	12.75	<sup>1</sup> 3,187.50
ITEM No. 6.						
Slaughter House Chute, above Booneville, Mo.:						
3 pile dikes, 3-row, 1,000 feet in all, yellow pine.	13.25	13,250.00	13.50	13,500.00	12.40	<sup>1</sup> 12,400.00
ITEM No. 8.						
In Howard Bend, above St. Charles, Mo.:						
1 pile dike, 3-row, 250 feet long.....	15.75	3,937.50	15.00	<sup>1</sup> 3,750.00	.....	.....
In St. Charles Bend, below St. Charles, Mo.:						
1 pile dike, 3-row, 250 feet long.....	15.75	3,937.50	15.00	<sup>1</sup> 3,750.00	.....	.....
ITEM No. 9.						
Pelican Bend, near Machens, Texas Junction:						
2,000 linear feet standard revetment.....	10.00	20,000.00	9.50	19,000.00	8.25	<sup>1</sup> 16,500

<sup>1</sup> Accepted.

*Abstract of proposal dated Sep. 17, 1909, steel (for concrete piles at Fort Riley, Kans.), opened Sep. 27, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

[Prices are per hundredweight.]

Quantities and articles.	(1) St. Louis Iron Store Co., St. Louis, Mo.	(2) Builders' Material Sup- ply Co., Kansas City, Mo. <sup>1</sup>	(3) W. G. Hagar Iron Co., St. Louis, Mo.	(4) Horace A. Keeper.	(5) The Kan- sas City Bolt & Nut Co., Kansas City, Mo.
960 pieces steel, ½ inch square by 30 feet.....	\$1.45	\$1.83	\$1.62½	\$2.00 2.20	\$2.20
2,900 pieces steel, ¾ inch square by 11 feet.....	1.70	1.63	1.87½	2.20 2.50	2.20
11,500 pieces steel, ¾ inch round..	1.80	2.33	1.97½	.....	2.20

<sup>1</sup> Accepted.

*Abstract of proposal dated Sep. 30, 1909, brush (Fort Riley, Kans.), opened Oct. 2, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) W. A. Eb- ling, Halls, Mo. <sup>1</sup>
400 cords willow brush, per specifications.....	\$1.97½

<sup>1</sup> Accepted.

*Abstract of proposal dated October 5, 1909, coal (Lock and Dam No. 1, Osage River, Mo.), opened October 15, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) Madison Coal Co., St. Louis, Mo.	(2) Missis- sippi Val- ley Fuel Co., St. Louis, Mo.	(3) Donk Bros. Coal & Coke Co., St. Louis, Mo.	(4) The Consoli- dated Coal Co., St. Louis, Mo.	(5) De Camp Fuel Co., St. Louis, Mo.	(6) Cluley Miller Coal Co., St. Louis, Mo. <sup>1</sup>
240 tons coal, bituminous, standard lump.....	\$1.67	\$1.62	\$1.42	\$1.75	\$1.45	\$1.40

<sup>1</sup> Accepted.

*Abstract of proposal dated Oct. 5, 1909, cement (Lock and Dam No. 1, Osage River, Mo.), opened Oct. 15, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) Universal Port- land Cement Co., Chicago, Ill.		(2) Union Sand & Material Co., St. Louis, Mo.		(3) Hunkins-Willis Lime & Cement Co., St. Louis, Mo. <sup>1</sup>	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
1,500 barrels cement, American Portland, to conform to standard specifications of the United States Engineer Department.	\$1.20	\$1,800.00	\$1.45	\$2,175.00	\$1.20	\$1,800.00

<sup>1</sup> Accepted.

*Abstract of proposal dated Oct. 9, 1909, dike (Howard Bend, on Missouri River), opened Oct. 19, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) Swift & Rust, St. Louis, Mo.	
	Unit price.	Amount.
1 pile dike, 3-row, 250 feet long, at Howard Bend, Mo.....	\$15	\$3,750

Accepted.

*Abstract of proposal dated Oct. 25, 1909, extension of revetment (Nigger Bend, Missouri River), opened Nov. 3, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) Swift & Rust, St. Louis, Mo.		(2) R. O. Shobe, Chamois, Mo. <sup>1</sup>	
	Unit price.	Amount.	Unit price.	Amount.
500 feet Standard revetment in Nigger Bend.....	\$10.00	\$5,000.00	\$8.90	\$4,450.00

<sup>1</sup> Accepted.

*Abstract of proposal dated Nov. 9, 1909, zinc tailings (Fort Riley, Kans.), opened Nov. 19, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) J. R. Miles, Joplin, Mo. <sup>1</sup>	(2) Joseph Fitzer, Joplin, Mo.
190,000 pounds zinc tailings, Joplin flint, first grade, per ton.....	\$0.18	\$0.18½

<sup>1</sup> Accepted.

*Abstract of proposal dated Nov. 27, 1909, for material and labor for an electric light plant (snag boat McPherson, at Gasconade, Mo.), opened Dec. 17, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) C. J. & F. E. Briner, St. Louis, Mo.	(2) Guarantee Electric Co., St. Louis, Mo.	(3) Van Nort Bros. Elec- tric Co., St. Louis, Mo. <sup>1</sup>	(4) C. H. Nor- wood, Chicago, Ill.
<b>ITEM 1.</b>				
Generating set, engine to be specified.....	\$890.00	\$939.85	\$760.00	.....
Switchboard and parts.....	150.00	175.00	157.50	<sup>2</sup> 2,500.00
Incandescent lamps:				
100 16-candlepower, 110 volts.....	20.00	20.00	20.00	.....
25 8-candlepower, 110 volts.....	5.00	5.00	5.00	.....
6 100-candlepower, 110 volts.....	5.00	6.00	3.90	.....
Wiring, complete.....	600.00	898.15	675.00	.....
<b>ITEM 2.</b>				
1 searchlight, 18-inch, and mounting, complete..	375.00	400.00	375.00	.....
	2,045.00	2,444.00	1,996.40	2,500.00

<sup>1</sup> Accepted.

<sup>2</sup> Complete.

*Abstract of proposal dated Dec. 3, 1909, boilers (Towboats "Arethusa" and "Atalanta" at Gasconade, Mo.), opened Dec. 17, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) John Rohan & Son Boiler Works, St. Louis, Mo. <sup>1</sup>		(2) Schoell- horn-Albrecht Machine Co., St. Louis, Mo.
	Unit price.	Amount.	Amount.
2 boilers, per specifications.....	\$750.00	\$1,500.00	<sup>2</sup> \$2,640.00
4 blow-off valves, 2".....	20.00	80.00	.....
2 horizontal float gauges.....	15.00	30.00	.....
6 gauge cocks.....	1.50	9.00	.....
2 check and stop valves.....	30.00	60.00	.....
1 breeching, No. 12 steel.....		43.00	.....
<b>Total.....</b>		<b>1,722.00</b>	<b>2,640.00</b>

<sup>1</sup> Accepted.

<sup>2</sup> Complete.

*Abstract of proposal dated Dec. 17, 1909, lumber (Lock and Dam No. 1, Osage River, Mo.), opened Dec. 27, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) A. L. Houghton & Co., Kansas City, Mo.		(2) Ozan Lumber Co., St. Louis, Mo.		(3) Wood Vizard Lumber Co., Hattiesburg, Pa.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
300 pieces lumber, yellow pine, 2½ x 9½ x 30 feet, S1S2E.....		\$725.00	\$28.00	\$630.00	\$21.75	\$489.37
5,000 feet lumber, yellow pine, 1 x 8 inches to 14 inches x 26 feet, rough.....			25.00	125.00	18.00	90.00

Quantities and articles.	(4) O'Neill Lumber Co., St. Louis, Mo.		(5) Sabine Lumber Co., Kansas City, Mo. <sup>1</sup>		(6) Southern State Lumber Co., New Orleans, La.		(7) Boeckler Lumber Co., St. Louis, Mo.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
300 pieces lumber, yellow pine, 2½ x 9½ x 30 feet, S1S2E.....	\$19.00	\$427.50	\$18.00	\$405.00	\$30.00	\$675.00	\$32.00	.....
5,000 feet lumber, yellow pine, 1 x 8 inches to 14 inches x 26 feet, rough.....	16.50	82.50	20.50	102.50	30.00	150.00	33.00	.....

<sup>1</sup> Accepted.

*Abstract of proposal dated Dec. 16, 1909, for lumber (repairs to plant at Gasconade Boat yard, Gasconade, Mo.), opened Dec. 31, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) J. K. Joyce, Chicago, Ill.	(2) Cotton State Lumber Co., Mahon Junction, Miss.	(3) Boeckler Lumber Co., St. Louis, Mo. <sup>1</sup>	(4) Mercantile Lumber & Supply Co., Kansas City Mo.	(5) Acme Lumber Co., New Orleans, La.	(6) Stetson Post Lumber Co., Seattle, Wash.		(7) McCoy Lumber Co., Minneapolis, Minn.
						Unit price.	Amt.	
2,520 feet yellow pine lumber, 6 x 12 inches x 26 feet, S4S, outgaged ½ x 2 inches.....		\$30.00	\$24.00	\$19.00	\$30.00	\$15.00	\$37.80	.....
1,260 feet yellow pine lumber, 3 x 12 inches x 30 feet, S4S, not outgaged.....		23.00	23.00	19.00	27.50	14.00	17.64	.....
4,800 feet yellow pine lumber, 3 x 12 inches x 20 feet, S4S2E, outgaged ½ x 2 inches.....		18.00	19.50	18.50	30.00	15.00	72.00	.....
2,160 feet yellow pine lumber, 2 x 6 inches x 18 feet, S4S 2E, outgaged ½ x 1.....		15.00	18.00	16.50	25.00	15.00	9.60	.....
1,200 feet yellow pine lumber, 4 x 6 inches x 20 feet, not outgaged.....		14.00	18.00	16.50	25.00	14.00	16.80	.....
1,014 feet yellow pine lumber, 3 x 6 inches x 26 feet, not outgaged.....		16.00	19.50	17.50	25.00	14.00	14.19	.....
640 feet yellow pine lumber, 4 x 8 inches x 30 feet, S4S.....		19.00	21.00	18.50	27.50	14.00	8.96	.....

<sup>1</sup> Accepted.

*Abstract of proposal dated Dec. 18, 1909, nails, etc. (repairs to plant at St. Joseph), opened Dec. 31, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) Simmons Hardware Co., St. Louis, Mo.		(2) Schroeter Bros. Hardware Co., St. Louis, Mo. <sup>1</sup>	
	Price.	Amount.	Price.	Amount.
6 kegs wire nails, 60d.....	\$2.15	\$12.90	\$2.15	\$12.90
3 kegs wire nails, 30d.....	2.15	6.45	2.15	6.45
3 kegs wire nails, 10d.....	2.20	6.60	2.20	6.60
20 kegs wire nails, 50d.....	2.15	43.00	2.15	43.00
1,200 pounds boat spikes, $\frac{1}{4}$ " by 7.....			2.57	30.90
600 pounds boat spikes, $\frac{1}{4}$ " by 8.....			2.57	15.45
200 pounds boat spikes, $\frac{1}{4}$ " by 6.....			5.15	10.30
100 pounds boat spikes, $\frac{1}{4}$ " by 8.....			5.15	5.15

<sup>1</sup> Accepted.

*Abstract of proposal dated Dec. 18, 1909, oakum (Gasconade, Mo.), opened Dec. 31, 1909, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities.	(1) A. Leschen & Sons Rope Co., St. Louis, Mo. <sup>1</sup>		(2) Broderick & Bascom Rope Co., St. Louis, Mo.	
	Unit price.	Amount.	Unit price.	Amount.
8 bales.....	\$3.22	\$25.76	{ 3.25 3.05	{ ..... .....
48 bales.....	3.22	154.56	{ 3.25 3.05	{ ..... .....
6 bales.....	3.22	19.32	{ 3.25 3.05	{ ..... .....
2 bales.....	3.22	6.44	{ 3.25 3.05	{ ..... .....

<sup>1</sup> Accepted.

*Abstract of proposal dated Dec. 23, 1909, oil (Lock and Dam No. 1, Osage River), opened Jan. 3, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) J. D. Streett & Co., St. Louis, Mo.	(2) St. Louis Oil Co., St. Louis, Mo. <sup>1</sup>	(3) Waters Pierce Oil Co., St. Louis, Mo.
3 barrels headlight oil, 150°.....per gallon..	\$0.10	\$0.08	\$0.09

<sup>1</sup> Accepted.

*Abstract of proposal dated Dec. 24, 1909, capstan (for barge at Mandan, N. Dak.), opened Jan. 6, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) Broderick & Bascom Rope Co., St. Louis, Mo.		(2) H. Channon Co., Chicago, Ill.		(3) A. Leschen & Sons Rope Co., St. Louis, Mo.		(4) Geo. B. Carpenter & Co., Chicago, Ill. <sup>1</sup>	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
1 Providence capstan, A, about 30 inches high, with 8-inch barrel.....				\$34.60				\$32.00
2 wood blocks, double, 12-inch.....			\$2.00	4.00	\$2.25	\$4.50	\$1.70	3.40
2 wood blocks, 8-inch.....		\$6.45	.80	1.60	.86	1.72	.65	1.30
2 wood blocks, triple, 8-inch.....			1.15	2.30	1.26	2.52	.96	1.92
Heavy blocks, double:								
2 12-inch, I. S.....								
2 8-inch, I. S.....		17.45						
2 heavy blocks, triple, 8-inch, I. S.....								
Double heavy wide mortise:								
2 12-inch bronze bush.....								
2 8-inch bronze bush.....		36.00						
2 triple heavy wide mortise, 8-inch bronze bush.....								

<sup>1</sup> Accepted.<sup>2</sup> Lot.

*Abstract of proposal dated Dec. 26, 1909, willow brush (Council Bluffs, Iowa), opened Jan. 6, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) J. W. Rockwell, Council Bluffs, Iowa. <sup>1</sup>		(2) Peter B. Clauson, Council Bluffs, Iowa.		(3) J. L. Smith, Council Bluffs, Iowa.	
	Price.	Amount.	Price.	Amount.	Price.	Amount.
540 cords willow brush, per specifications.....	\$2.25	\$1,215.00	\$3.00	\$1,620.00	\$2.75 3.00	..... .....

<sup>1</sup> Accepted.

*Abstract of proposal dated Jan. 22, 1910, rope (for snagboat "Mandan" at Sioux City, Iowa), opened Feb. 2, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) Broderick & Bascom Rope Co., St. Louis, Mo.		(2) H. Channon Co., Chicago, Ill.		(3) Geo. B. Carpenter & Co., Chicago, Ill. <sup>1</sup>		(4) A. Leschen & Sons Rope Co., St. Louis, Mo.	
	Cents.		Cents.		Cents.		Cents.	
Best Manila rope:								
1 coil, 1-inch, 3-strand.....	8.75		8.50		8.2		8.59	
1 coil, 1½-inch, 3-strand.....	8.75		8.50		8.2		8.59	
1 coil, 1¾-inch, 3-strand.....	8.75		8.50		8.2		8.59	
1 coil soft-laid tiller rope, 1½-inch, wire..	3.39		3.50		3.29		3.39	

<sup>1</sup> Accepted.

*Abstract of proposal dated Feb. 15, 1910, riprap stone (Lock and Dam No. 1, Osage River), opened Feb. 25, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) William L. Huber, Osage City Mo. <sup>1</sup>	
	Unit price.	Amount.
6,000 cubic yards stone, to be quarried by the United States, who will measure the stone as loaded on barge, and this measurement to govern, per cubic yard.....	\$0.03	\$180.00

<sup>1</sup> Accepted.



*Abstract of proposal dated Feb. 28, 1910, launch (snagboat Mandan), opened Mar. 9, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) Racine Boat Co., Racine, Wis.	(2) Rippley Steel Boat Co., Grafton, Ill.	(3) Helm Boat Co., Milwaukee, Wis.	(4) Michigan Steel Boat Co., Detroit, Mich.
1 gasoline launch, per specifications, 20 feet long, 5 feet beam, 2 feet 8 inches depth.....	\$470.00	{ \$405.00 1 388.50 }	\$550.00	\$525.00

<sup>1</sup> Accepted.

*Abstract of proposal dated Mar. 2, 1910, coal (for snagboats at Omaha and Sioux City, Iowa, and for Osage River work), opened Mar. 12, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) Southern Coal Co., Omaha, Nebr. <sup>1</sup>	(2) Star Coal Co., Kansas City, Mo.
3 cars bituminous coal, standard lump.....	\$1.79	\$2.00
2 cars bituminous coal, standard lump.....	1.79	2.00
For storing.....	.35	.35
For delivery to boats.....	.40	.40
8 cars, bituminous coal, standard lump, for Osage River.....	1.79	.....

<sup>1</sup> Accepted.

*Abstract of proposal dated Mar. 2, 1910, coal (Gasconade boat yard, Missouri), opened Mar. 12, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) Maguire Coal Co., St. Louis, Mo.	(2) DeCamp Fuel Co., St. Louis, Mo.	(3) Madison Coal Corporation Co., St. Louis, Mo.	(4) Berry Berg Coal Co., St. Louis, Mo.	(5) Lumaghi Coal Co., St. Louis, Mo.	(6) Cluley Miller Coal Co., St. Louis, Mo.	(7) Donk Bros. Coal & Coke Co., St. Louis, Mo.	(8) Southern Coal Co. <sup>1</sup>
5 cars bituminous coal, standard lump.....	\$1.85	\$1.80	\$2.25	\$2.10	\$2.00	\$1.95	\$2.30	*\$1.79

<sup>1</sup> Accepted.

\* F. o. b. mines.

*Abstract of proposal dated Mar. 5, 1910, coal (snagboat Mandan), opened Mar. 15, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) Zenith Furnace Co., Duluth, Minn.	(2) North Land Coal Co., Duluth, Minn.	(3) Braman Coal Co., Milwaukee, Wis.	(4) M. A. Hanna Coal Co., St. Paul, Minn. <sup>1</sup>
5 cars Hocking Valley coal.....	\$3.50	\$3.50	\$3.50	\$3.50

<sup>1</sup> Accepted.

*Abstract of proposal dated Mar. 7, 1910, gasoline engine (Gasconade boat yard, Gasconade, Mo.), opened Mar. 17, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) Gray Motor Co., Detroit, Mich. <sup>1</sup>	(2) Rippley Hardware Co., Grafton, Ill.	(3) Racine Boat Co., Racine, Wis.	(4) Scripps Motor Co., Detroit, Mich.	(5) Fairbanks Morse Co., Kansas City, Mo.
1 gasoline engine, 16 horsepower, as per specifications.....	\$306.00	$\left\{ \begin{array}{l} {}^2 \$400.00 \\ {}^2 290.00 \\ {}^2 430.00 \\ {}^2 460.00 \\ {}^3 287.00 \\ {}^3 329.00 \\ {}^3 415.00 \end{array} \right\}$	\$450.00	\$420.00	\$288.00
1 dynamo sparker, for connection to engine.	16.00	$\left\{ \begin{array}{l} {}^3 329.00 \\ {}^3 415.00 \end{array} \right\}$	-----	35.00	12.00

<sup>1</sup> Accepted.<sup>2</sup> Fox.<sup>3</sup> Ferro.

*Abstract of proposal dated Mar. 14, 1910, dynamite (Lock and Dam No. 1, Osage River, Mo.), opened Mar. 24, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) E. I. DuPont de Nemours Powder Co., St. Louis, Mo.		(2) Austin Powder Co., St. Louis, Mo. <sup>1</sup>		(3) Independent Powder Co., St. Louis, Mo.		(4) Aetna Powder Co., St. Louis, Mo.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
600 pounds dynamite, 60 per cent.....	Cents. 13.23	\$79.38	Cents. 13.00	\$78.00	Cents. 13.15	\$78.90	Cents. 14.25	\$85.50
900 pounds powder, black FFF.....	1.15	10.35	1.15	10.35	5.60	50.40	1.15	10.35
1,000 feet fuse, cotton.....	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80

<sup>1</sup> Accepted.

*Abstract of proposal dated Mar. 17, 1910, levee work and levee paving (in Wilhoite Bend, above Glasgow, Mo.), opened Mar. 28, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) H. W. Kolkmeyer, Jefferson City, Mo. <sup>1</sup>		(2) Murphy & Gullford, Kansas City, Mo.	
	Unit price.	Amount.	Unit price.	Amount.
75,000 cubic yards levee construction.....cubic yard..	Cents. 13.75	\$10,312.50	Cents. 18.9	\$14,175.00
5,600 linear feet slope paving.....square yard..	42.00	8,316.00	-----	-----

<sup>1</sup> Accepted.

*Abstract of proposal dated Mar. 19, 1910, ice (Gasconade boat yard, Gasconade, Mo.), opened Mar. 30, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) St. Louis Refrigerator and Cold Storage Co., St. Louis, Mo. <sup>1</sup>		(2) Mound City Ice & Cold Storage Co., St. Louis, Mo.	
	Unit price.	Amount.	Unit price.	Amount.
2 cars (660 tons) ice.....	\$1.50	\$90.00	\$2.00	\$120.00

<sup>1</sup> Accepted.

*Abstract of proposal dated Mar. 21, 1910, blankets (snagboat Mandan, at Sioux City, Iowa), opened Mar. 31, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) Buell Manufacturing Co., St. Joseph, Mo.	
	Unit price.	Amount.
24 pairs blankets, 10/4, all wool.....	\$2.40	\$56.60
24 only blankets, Vienna.....	3.06	73.44

Accepted.

*Abstract of proposal dated Mar. 22, 1910, tents (Yellowstone River survey), opened Apr. 1, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) Baker Lockwood Manufacturing Co., Kansas City, Mo.	
	Unit price.	Amount.
Tents:		
1, 12 by 14, 10 ounces.....		\$16.90
1, 14 by 14, 15 ounces.....		29.30
1, 14 by 16, 12 ounces.....		26.80
Flies:		
1, 12 by 14, 12 ounces.....		10.10
1, 14 by 14, 12 ounces.....		12.15
1, 14 by 16, 12 ounces.....		13.40

Accepted.

*Abstract of proposal dated Mar. 22, 1910, steel lock gates (Lock and Dam No. 1, Osage River), opened Apr. 25, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities, articles, etc.	(1) Penn Bridge Co., Beaver Falls, Pa. <sup>1</sup>	(2) Russell Wheel & Foundry Co., Detroit, Mich.	(3) Griffiths Iron Works Co., St. Louis, Mo.	(4) New Jersey Foundry & Machine Co., New York, N. Y.
1 pair lower gates, complete, as per plans and specifications.....	\$3,350.00	\$3,742.00	\$4,350.00	\$3,491.00
1 pair upper gates, complete, as per plans and specifications.....	2,615.00	3,112.00	3,660.00	3,491.50
Freight.....	5,965.00 <sup>2</sup> 631.36	6,854.00	8,010.00 <sup>3</sup> 229.73	6,983.00 <sup>4</sup> 684.05
Total.....	6,596.36		8,239.73	7,667.05
<i>Estimates of weights.</i>				
Steel:	Pounds.	Pounds.	Pounds.	Pounds.
Lower.....	86,000	83,000	79,490	78,100
Upper.....	67,000	68,000	68,300	70,100
Cast steel:				
Lower.....	1,020	1,200	1,580	1,200
Upper.....	1,020	1,200	1,500	1,200
Cast iron:				
Lower.....	2,000	1,600	1,190	1,560
Upper.....	800	1,600	1,990	1,560
Total.....	157,840	156,600	153,150	153,720

<sup>1</sup> Accepted.

<sup>2</sup> Freight rate, 40 cents.

<sup>3</sup> Freight rate, 15 cents.

<sup>4</sup> Freight rate, 44½ cents.

*Abstract of proposal dated Apr. 21, 1910, revetment (extension in Nigger Bend), opened Apr. 26, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantity and article.	(1) De Witt & Shobe, Glasgow, Mo.	
	Unit price.	Amount.
300 feet standard revetment.....	\$8.90	\$2,670

Accepted.

*Abstract of proposal dated May 9, 1910, castings (maneuvering gear, Lock and Dam No. 1, Osage River, Mo.), opened May 23, 1910, by Maj. Edward H. Schulz, Corps of Engineers.*

Quantities and articles.	(1) Penn Bridge Co., Beaver Falls, Pa.	(2) Schoell- horn Al- brecht Ma- chine Co., St. Louis, Mo. <sup>1</sup>
Patterns for gears.....	\$40.00	\$55.00
Steel castings.....	198.00	117.00
Shafts.....	45.00	56.00
Iron castings.....	60.00	36.00
Total.....	343.00	264.00

<sup>1</sup> Accepted.

### NASHVILLE (TENN.) DISTRICT.

[Officer: Maj. W. W. Harts, Corps of Engineers.]

#### RIVERS AND HARBORS.

*Abstracts of proposals for furnishing and delivering about 883,761 feet b. m., long leaf yellow pine lumber opened Dec. 27, 1909, by Maj. Wm. W. Harts, Corps of Engineers, Nashville, Tenn.*

[Improving Cumberland River above Nashville, Tenn., locks and dams Nos. 3, 4, 5, 6, 7.]

No.	Names and addresses of bidders.	Per 1,000 feet b. m.	535,468 feet b. m. at Lock 6.	Per 1,000 feet b. m.	348,293 feet b. m. at Lock 7.	Grand total.	Remarks.
1	Watkins-Gray Lumber Co., Hattiesburg, Miss.	\$35.99	\$19,271.49	\$34.97	\$12,179.81	\$31,451.30	Guaranty informal.
2	T. H. Johnston & Co., Birmingham, Ala.	31.45	16,840.47	30.75	10,710.01	27,550.48	Execution of guaranty bond not attested. Paragraph 9, instructions to bidders not complied with.
3	G. Ellas & Bro., Buffalo, N. Y.	34.00	18,205.91	35.75	12,451.47	30,657.38	Paragraph 13, instructions to bidders not fully complied with.
4	Charles Este Co., Philadelphia, Pa.	31.95	17,108.20	31.95	11,127.96	28,236.16	Paragraph 7, instructions to bidders not fully complied with.
5	J. K. Joice, Chicago, Ill..	39.50	21,150.99	39.50	13,757.57	34,908.56	Paragraph 5, instructions to bidders not fully complied with (see page 7, specifications).
6	W. C. Rodgers Lumber Co., Hattiesburg, Miss.	33.50	17,938.18	33.50	11,667.82	29,606.00	Paragraph 7, instructions to bidders not fully complied with.
7	Pine Belt Lumber Co., Hattiesburg, Miss.	33.00	17,670.44	32.50	11,319.52	28,989.96	Note 2, page 6, specifications not complied with.
8	The Rich Lumber Manufacturing Co., Hattiesburg, Miss.	33.50	17,938.18	32.75	11,406.60	29,344.78	Paragraph 7, instructions to bidders not fully complied with.

## CHATTANOOGA (TENN.) DISTRICT.

[Officer: Maj. W. W. Harts, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for four sluice gates for the Riverton Lock, opened Oct. 15, 1909, by Maj. Wm. W. Harts, Corps of Engineers, Nashville, Tenn.*

[Tennessee River below Chattanooga, Tenn., Alabama, and Kentucky, at Colbert and Bee Tree Shoals.]

No.	Names and addresses of bidders.	Amount.	Remarks.
1	Lawrence D. Weaning, Cleveland, Ohio.....	\$12,525.00	Delivery within five months after receipt of contract.
2	Penn Bridge Co., Beaver Falls, Pa.....	11,490.00	Delivery in six months from notice of approval of contract.
3	Independent Bridge Co., Pittsburg, Pa.....	15,235.00	Delivery in four months from notice of approval of contract.

*Abstract of proposals for four sets of sluice-gate operating machinery, opened Mar. 21, 1910, by Maj. Wm. W. Harts, Corps of Engineers, Nashville, Tenn.*

[Improving Tennessee River below Chattanooga, at Colbert and Bee Tree Shoals.]

No.	Names and addresses of bidders.	Amount.
1	Chas. Hegewald Co., New Albany, Ind.....	\$4,159.00
2	The Jeffrey Manufacturing Co., Columbus, Ohio.....	5,350.00
3	New Jersey Foundry & Machine Co., New York City.....	8,484.00

Bid No. 1 accepted.

*Abstract of proposals for one set of steel lock (guard) gates for the Riverton (Ala.) Lock, Colbert Shoals Canal, opened Apr. 28, 1910, by Maj. Wm. W. Harts, Corps of Engineers, Nashville, Tenn.*

[Improving Tennessee River below Chattanooga, at Colbert and Bee Tree Shoals.]

No.	Names and addresses of bidders.	Amount.
1	Penn Bridge Co., Beaver Falls, Pa.....	\$19,469.00
2	Independent Bridge Co., Pittsburg, Pa.....	21,384.00

*Abstract of proposals for lock-gate operating machinery for Riverton (Ala.) lock, Colbert Shoals Canal, opened Jan. 20, 1910, by Maj. Wm. W. Harts, Corps of Engineers, Nashville, Tenn.*

[Improving Tennessee River below Chattanooga, at Colbert and Bee Tree Shoals.]

No.	Names and addresses of bidders.	Amount.
1	Chas. Hegewald Co., New Albany, Ind.....	\$2,999.00
2	Independent Bridge Co., Pittsburg, Pa.....	3,111.00
3	Penn Bridge Co., Beaver Falls, Pa.....	3,939.00

Bid No. 1 accepted.

## CINCINNATI (OHIO) FIRST DISTRICT.

[Officer: Lieut. Col. J. G. Warren, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for furnishing and installing refrigerating machinery on U. S. snagboat E. A. Woodruff (Ohio River improvement), received in response to public notice dated February 18, and opened at Cincinnati, Ohio, Mar. 2, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.	Names and addresses of bidders.	Amount.
1	Frick Co., Waynesboro, Pa. ....	\$2,815.00
2	Triumph Ice Machine Co., Cincinnati, Ohio. ....	2,350.00
3	The Vilter Manufacturing Co., Milwaukee, Wis. ....	3,200.00

Bid No. 2 accepted.

*Abstract of proposals for repairs to iron main deck of U. S. snagboat E. A. Woodruff (Ohio River improvement), received in response to public notice dated Feb. 18, and opened at Cincinnati, Ohio, Mar. 2, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.	Names and addresses of bidders.	Amount.
1	Littleford Bros., Cincinnati, Ohio. ....	\$690.00
2	Columbia Iron Works, Cincinnati, Ohio. ....	623.00

Bid No. 2 accepted.

*Abstract of proposals for furnishing and installing one 15-horsepower gasoline motor, etc., on launch (Ohio River improvement), received in response to public notice dated Feb. 17, and opened at Cincinnati, Ohio, Mar. 1, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.	Names and addresses of bidders.	Amount.
1	Fairbanks, Morse & Co., Cincinnati, Ohio. ....	\$580.00
2	Lewis E. Bedinger, Cincinnati, Ohio. ....	424.00
3	Dean Manufacturing Co., Newport, Ky. ....	390.00

Bid No. 2 accepted.



*Abstract of proposals for docking and repairing two dump scows (Ohio River improvement received in response to public notice dated Mar. 2, 1910, and opened at Cincinnati, Ohio, Mar. 14, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

	Designation.	Quantity estimated.	1		2	
			Kanawha Dock Co., Point Pleasant, W. Va.		Queen City Marine Ry. Co., Cincinnati, Ohio.	
			Rate.	Amount.	Rate.	Amount.
Taking scows from Cincinnati, Ohio, to docks, docking, holding on docks not to exceed 10 days, and delivering scows.	-----	-----	-----	\$210.00	-----	\$150.00
Holding on docks over 10 days.....	Days.....	5	\$5.00	25.00	\$1.00	5.00
White-oak lumber.....	Feet b. m....	3,500	50.00	175.00	70.00	245.00
Selection optional 2,500 feet b. m.:						
Long-leaf yellow pine.....	do.....	2,500			50.00	125.00
White pine.....	do.....	2,500	50.00	125.00		
Spruce.....	do.....		(\$45)		(\$40)	
Cypress.....	do.....					
Oakum.....	Pounds.....	400	.10	40.00	.15	60.00
Red lead in oil.....	do.....	25	.10	2.50	.16	4.00
Spikes.....	do.....	400	.04	16.00	.05	20.00
Nails.....	do.....	70	.035	2.45	.05	3.50
Pitch.....	do.....	400	.035	14.00	.03	12.00
Bolts, nuts, and washers.....	do.....	400	.06	24.00	.10	40.00
Services:						
Foreman.....	Hours.....	50	.50	25.00	.60	30.00
Calkers.....	do.....	200	.40	80.00	.35	70.00
Carpenters.....	do.....	275	.40	110.00	.35	96.25
Blacksmith.....	do.....	10	.50	5.00	.75	7.50
Laborers.....	do.....	100	.25	25.00	.25	25.00
Total.....	-----	-----	-----	878.95	-----	893.25

Bid No. 1 accepted.

*Abstract of proposals for hire of decked flatboat (Ohio River improvement) received in response to public notice dated Mar. 10, and opened at Cincinnati, Ohio, Mar. 18, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.		Size of flatboat.		Price per day.
		Width.	Length.	
		Feet.	Feet.	
1	H. B. Hulings, Cincinnati, Ohio.....	16	90	\$2.00
2	T. J. Hall, Cincinnati, Ohio.....	30	140	8.00
		26	135	7.00

Bid No. 1 accepted.

*Abstract of proposals for hire of three towboats, each with two flatboats, as tenders to U. S. dredges Ohio, Oswego, and Indiana (Ohio River improvement) received in response to advertisement dated Mar. 12, 1910, and opened at Cincinnati, Ohio, Apr. 11, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.	Names and addresses of bidders.	Small towboat per day.	Large towboat per day.	Remarks.			
				Name of boat.	Draft.		Diameter of cylinders.
					Head.	Stern.	
1	Frankfort Elevator Coal Co., Frankfort, Ky.	\$64.00	\$59.00	Major Slack.....	<i>Inches.</i> 34	<i>Inches.</i> 34	<i>Inches.</i> 13½
2	H. B. Hulings, Cincinnati, Ohio.	50.00	.....	M. D. Wayman.	30	28	14
3	Flesher Towboat & Barge Line, Mount Vernon, Ind.	49.49	.....	Belle Vernon....	32	30	12
4	Steamer Monie Bauer.....	41.50	.....	Monie Bauer.....	15	20	10
5	West Kentucky Coal Co., Paducah, Ky.	.....	100.00	Egan.....	34	30	15
6	Ohio River Contract Co., Evansville, Ind.	.....	53.45	S. P. Gillett.....	36	36	15
7	Ohio Valley Towing Co., New Albany, Ind.	.....	55.56	Nellie Willett....	38	32	15

Bids Nos. 2, 3, and 6 accepted.

*Abstract of proposals for constructing dredge dipper (Ohio River improvement) received in response to public notice dated May 24, and opened at Cincinnati, Ohio, May 31, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.	Names and addresses of bidders.	Amount.
1	Albert H. Wendt, Cincinnati, Ohio.....	\$495.00
2	McIlvain & Spiegel Boiler & Tank Co., Cincinnati, Ohio.....	490.00

Bid No. 2 accepted.

*Abstract of proposals for furnishing 10,000 barrels of American-Portland cement at Fernbank, Ohio, for use in construction of Dam No. 37, Ohio River, received in response to advertisement dated Aug. 2, and opened at Cincinnati, Ohio, Aug. 17, 1909, by Col. Wm. T. Rossell, Corps of Engineers.*

No.	Names and addresses of bidders.	Brand.	Weight per barrel.	Price, in cloth sacks.
			<i>Pounds.</i>	<i>Per barrel.</i>
1	Atlas Portland Cement Co., New York, N. Y.....	Atlas.....	376	\$1.3864
2	Superior Portland Cement Co., Cincinnati, Ohio.....	Superior.....	375	1.15
3	Louisville Cement Co., Louisville, Ky.....	Speed.....	380	1.18
4	Alma Cement Co., Wellston, Ohio.....	Alma.....	376	1.16
5	Universal Portland Cement Co., Pittsburg, Pa.....	Universal.....	375	1.44
6	Lehigh Portland Cement Co., Cleveland, Ohio.....	Lehigh.....	375	1.28
7	Alpha Portland Cement Co., Chicago, Ill.....	Alpha.....	380	1.39
8	Kosmos Portland Cement Co., Louisville, Ky.....	Kosmos.....	380	1.28

Bid No. 2 accepted.

*Abstract of proposals for furnishing 3,000 barrels of American-Portland cement at Fernbank, Ohio, for use in construction of Dam No. 37, Ohio River, received in response to public notice dated Nov. 3, and opened at Cincinnati, Ohio, Nov. 8, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.	Names and addresses of bidders.	Brand.	Weight per barrel.	Price in cloth sacks.
			Pounds.	Per barrel.
1	Lehigh Portland Cement Co., Allentown, Pa. ....	Lehigh....	376	\$1.34
2	Atlas Portland Cement Co., New York, N. Y. ....	Atlas.....	380	1.3864

Bid No. 1 accepted.

*Abstract of proposals for furnishing about 5,600 barrels of American-Portland cement at Fernbank, Ohio, for use in construction of Dam No. 37, Ohio River, received in response to public notice dated Nov. 17, 1909, and opened at Cincinnati, Ohio, Nov. 22, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.	Names and addresses of bidders.	Brand.	Weight per barrel.	Price in cloth sacks.
			Pounds.	Per barrel.
1	Ironton Portland Cement Co., Ironton, Ohio. ....	Limestone....	380	\$1.31
2	Atlas Portland Cement Co., New York, N. Y. ....	Atlas.....	380	1.3364
3	Lehigh Portland Cement Co., Allentown, Pa. ....	Lehigh.....	376	1.34

Bid No. 1 accepted.

*Abstract of proposals for furnishing and installing operating machinery at Dam No. 37, Ohio River, received in response to advertisement dated August 21, and opened at Cincinnati, Ohio, Sept. 20, 1909, by Col. Wm. T. Rossell, Corps of Engineers.*

Articles.	Quantity.	(1) W. Bateson & Co., Wheeling, W. Va.		(2) New Jersey Foundry & Machine Co., New York, N. Y.	
		Rate.	Amount.	Rate.	Amount.
Straight-line air compressors.....number..	2			\$2,272.00	\$4,544.00
Turbo generator.....do.....	1		\$1,738.00		1,750.00
Air receivers.....do.....	4	\$280.00	1,120.00	238.00	952.00
Water-tube boilers.....do.....	2	3,084.00	6,168.00	3,290.00	6,580.00
Feed-water heater.....do.....	1		464.00		334.00
Drainage receiver.....do.....	1		98.00		90.00
Feed-water pump.....do.....	1		157.00		180.00
Injectors.....do.....	2	33.60	67.20	29.25	58.50
Duplex winding engines.....do.....	2	1,007.50	2,015.00	1,085.00	2,170.00
Air jacks.....do.....	32	270.00	8,659.20	208.00	6,656.00
Winches for flushing conduits.....do.....	2	470.00	940.00	183.00	366.00
Standard lap-welded wrought-iron pipe:					
8-inch.....linear feet..	176	2.74	482.24	2.12	373.12
6-inch.....do.....	77	1.72	132.44	1.35	103.95
5-inch.....do.....	27	1.40	37.80	1.77	47.79
4½-inch.....do.....	19	1.36	25.84	1.60	30.40
4-inch.....do.....	170	.94	159.80	.92	156.40
3-inch.....do.....	772	.62	478.64	.57	440.04
2½-inch.....do.....	17	.50	8.50	.57	9.69
2-inch.....do.....	128	.38	48.64	.32	40.96
1½-inch.....do.....	209	.34	71.06	.62	108.68
1-inch.....do.....	137	.32	43.84	.23	31.51
¾-inch.....do.....	53	.28	14.84	.30	15.90
¾-inch.....do.....	42	.27	11.34	.30	12.60
Pipe bends, 4-inch.....do.....	9	1.80	16.20	1.00	9.00
Wrought-iron dredge chain:					
4-inch.....do.....	496	.56	277.76	.56	277.76
4-inch.....do.....	20	.30	6.00	.39	7.80
Wrought-iron straight link chain, 4-inch.....do.....	30	.18	5.40	.16	4.80
Brass whistle chain.....do.....	25	.14	3.50	.32	8.00

*Abstract of proposals for furnishing and installing operating machinery at Dam No. 37, Ohio River, etc.—Continued.*

Articles.	Quantity.	(1) W. Bateson & Co., Wheeling, W. Va.		(2) New Jersey Foundry & Machine Co., New York, N. Y.	
		Rate.	Amount.	Rate.	Amount.
<b>Pipe coverings for—</b>					
8-inch pipe.....linear feet.....	58	\$0.62	\$35.96	\$0.38	\$22.04
6-inch pipe.....do.....	68	.48	32.64	.29	19.72
5-inch pipe.....do.....	21	.46	9.66	.28	5.88
4½-inch pipe.....do.....	14	.44	6.16	.27	3.78
4-inch pipe.....do.....	30	.42	12.60	.25	7.50
2-inch pipe.....do.....	100	.24	24.00	.19	19.00
1½-inch pipe.....do.....	18	.23	4.14	.16	2.88
1-inch pipe.....do.....	31	.22	6.82	.12	3.72
Boiler drum, etc.....square feet.....	100	.58	58.00	.27	27.00
<b>Pipe coverings for—</b>					
8-inch pipe fittings.....number.....	11	1.54	16.94	1.44	15.84
6-inch pipe fittings.....do.....	6	.96	5.70	1.00	6.00
5-inch pipe fittings.....do.....	1	.72	.....	.....	.95
4½-inch pipe fittings.....do.....	3	.58	1.74	.80	2.40
4-inch pipe fittings.....do.....	8	.48	3.84	.63	5.04
2-inch pipe fittings.....do.....	19	.30	5.70	.48	9.12
1½-inch pipe fittings.....do.....	5	.30	1.50	.45	2.25
1-inch pipe fittings.....do.....	13	.30	3.90	.37	4.81
<b>Cast-iron elbows:</b>					
8-inch long radius.....do.....	9	19.20	172.80	6.27	56.43
8-inch long radius, round base.....do.....	1	.....	15.22	.....	6.27
6-inch long radius.....do.....	2	10.90	21.80	3.70	7.40
5-inch long radius.....do.....	3	9.16	27.48	2.76	8.28
4½-inch long radius.....do.....	3	8.58	25.74	2.36	7.08
4-inch long radius.....do.....	10	7.22	72.20	1.68	16.80
3-inch standard.....do.....	14	.58	8.12	1.13	1.825
<b>Cast-iron reducing elbows:</b>					
8 to 6 inch.....do.....	4	19.20	76.80	6.27	25.08
4 to 3 inch.....do.....	2	7.22	14.44	1.66	3.32
<b>Malleable-iron elbows:</b>					
2½ inch long radius.....do.....	2	1.15	2.30	1.63	3.26
2 inch long radius.....do.....	11	.80	8.80	1.03	11.33
1½ inch long radius.....do.....	130	.62	80.60	.70	91.00
1 inch long radius.....do.....	18	.48	8.64	.42	7.56
¾ inch long radius.....do.....	5	.40	2.00	.47	2.35
¾ inch long radius.....do.....	6	.34	2.04	.41	2.46
¾ inch, 45°.....do.....	4	.28	1.12	.44	1.76
<b>Cast-iron tees:</b>					
8 by 8 by 8 inch long radius.....do.....	4	14.04	56.16	13.20	52.80
8 by 8 by 6 inch long radius.....do.....	5	15.86	79.30	18.44	92.20
8 by 8 by 4 inch long radius.....do.....	1	.....	15.86	.....	18.40
8 by 8 by 1½ inch long radius.....do.....	1	.....	18.90	.....	18.40
5 by 6 by 8 inch long radius.....do.....	1	.....	15.86	.....	18.40
4½ by 6 by 5 inch long radius.....do.....	1	.....	9.56	.....	9.98
4 by 4 by 8 inch long radius.....do.....	1	.....	15.86	.....	18.40
4 by 4 by 6 inch long radius.....do.....	2	9.60	19.20	10.00	20.00
3 by 3 by 3 inch long radius.....do.....	6	4.32	25.92	2.00	12.00
3 by 3 by 1½ inch.....do.....	64	.70	44.80	2.68	171.52
3 by 1½ by 3 inch.....do.....	1	.70	.70	2.74	2.74
<b>Malleable-iron tees:</b>					
2½ by 2½ by 2½ inch L. R.....do.....	1	.....	1.10	.....	1.91
2½ by 1½ by 2½ inch L. R.....do.....	1	.....	1.60	.....	2.05
1½ by 1½ by 1½ inch L. R.....do.....	7	.50	3.50	.82	5.74
1½ by 1½ by 1 inch L. R.....do.....	1	.....	.50	.....	.94
¾ by ¾ by 1½ inch L. R.....do.....	1	.....	.75	.....	.94
¾ by ¾ by ¾ inch L. R.....do.....	1	.....	.32	.....	.67
Cast-iron cross, 3 by 2½ by 2½ by 1½ inch.....do.....	1	.....	1.32	.....	3.77
<b>Brass union:</b>					
2½-inch.....do.....	1	.....	3.26	.....	2.97
2-inch.....do.....	4	2.18	8.72	1.55	6.20
1½-inch.....do.....	2	1.36	2.72	1.20	2.40
1½-inch.....do.....	8	1.04	8.32	.96	7.68
1-inch.....do.....	4	.74	2.96	.71	2.84
¾-inch.....do.....	5	.54	2.70	.63	3.15
<b>Cast-iron flanges:</b>					
8 inches.....do.....	39	2.15	83.85	1.77	69.03
6 inches.....do.....	15	1.50	22.50	1.29	13.35
5 inches.....do.....	6	1.38	8.28	1.00	6.00
4½ inches.....do.....	6	1.20	7.20	.76	4.56
4 inches.....do.....	31	1.08	33.48	.83	25.73
<b>Gate valves:</b>					
8 inches.....do.....	4	44.85	179.40	66.00	264.00
6 inches.....do.....	9	31.90	287.10	48.33	434.97
4 inches.....do.....	5	18.15	90.75	29.00	145.00
Globe valve (water cut-off), 3 inches.....do.....	1	.....	7.84	.....	8.85

*Abstract of proposals for furnishing and installing operating machinery at Dam No. 37,  
Ohio River, etc.—Continued.*

Articles.	Quantity.	(1) W. Bateson & Co., Wheeling, W. Va.		(2) New Jersey Foundry & Machine Co., New York, N. Y.	
		Rate.	Amount.	Rate.	Amount.
Globe valves:					
2½ inches.....number..	2	\$5.00	\$10.00	\$6.18	\$12.36
2 inches.....do.....	2	3.92	7.84	4.80	9.60
1½ inches.....do.....	4	1.76	7.04	2.21	8.84
1 inch.....do.....	3	1.32	3.96	1.75	5.25
¾ inch.....do.....	2	.96	1.92	1.23	2.46
Whistle valve, 1 inch.....do.....	1		5.60		7.50
Check valves, 1 inch.....do.....	2	.92	1.84	3.90	7.80
Blow-off valves (Duro), 1½ inches.....do.....	2	7.80	15.60	10.45	20.90
Angle safety valves, 4 inches.....do.....	2	38.94	77.88	20.90	41.80
Floor stand:					
4 inches.....do.....	1		20.25		25.40
8 inches.....do.....	1		20.25		29.25
Stop and waste cock, 1½ inches.....do.....	1	2.48	2.48	15.60	15.60
Gauge cocks, 3-ball.....do.....	6	.46	2.76	1.31	7.86
Steam cocks (brass), 1½ inches.....do.....	64	4.96	317.44	5.93	379.52
Drip cocks:					
1½ inches.....do.....	1		2.46		5.93
1 inch.....do.....	1		1.32		2.88
Hose connections with cap:					
2½ inches.....do.....	1		15.62		13.25
¾ inch.....do.....	1		2.33		2.45
Water gauges, automatic, 3-rod glass tubes.....do.....	2	5.79	11.58	10.00	20.00
Air-pressure gauges:					
12-inch dial.....do.....	1		14.95		22.50
8-inch dial.....do.....	4	7.20	28.80	9.50	38.00
Steam-pressure gauges:					
12-inch dial.....do.....	1		14.95		22.50
8-inch dial.....do.....	1		7.20		9.50
Water-pressure gauge, 6-inch dial.....do.....	1		4.28		5.42
Steam whistle.....do.....	1		12.06		9.60
Turnbuckles, ¾ inch.....do.....	35	.82	29.52	.50	18.00
Malleable iron caps, 3 inches.....do.....	4	.40	1.60	.47	1.88
Exhaust head.....do.....	1		54.80		42.50
Saddle nozzle:					
6-inch (cast steel) steam pipe.....do.....	1		8.30		1.00
4-inch cast steel.....do.....	2	7.20	14.40	.54	1.08
Saddle flanges, screw, forged steel:					
2½ inches.....do.....	1		5.80		.68
2 inches.....do.....	1		5.80		.55
1 inch.....do.....	3	5.40	16.20	.41	1.23
Wrenches for water supply cut-off valves.....do.....	2	4.80	9.60	.77	1.54
Brass gongs:					
13 inches diameter.....do.....	1		3.36		14.40
6 inches diameter.....do.....	1	3.30	3.30	4.88	4.88
Steel forgings.....pounds..	17,042	.1075	1,832.02	.133	2,266.59
Steel castings.....do.....	5,011	.125	626.37	.121	606.33
Medium steel.....do.....	1,200	.38	456.00	.056	67.20
Tool steel (keys).....do.....	58	.67	38.86	.50	29.00
Wrought-iron forgings.....do.....	2,577	.11	283.47	.14	360.78
Iron castings:					
Except pipe elbows.....do.....	15,493	.0725	1,123.24	.056	867.61
Special elbow pipe.....do.....	2,000	.09	180.00	.067	134.00
Brass composition castings.....do.....	20	.30	6.00	.53	10.60
Babbitt metal.....do.....	160	.24	38.40	.17	27.20
Sheet-iron spiral pipe, galvanized (No. 12 B. W. G.).....pounds..	187	.28	52.36	.19	35.53
Sheet-iron spiral pipe, galvanized, with 4 elbows, (No. 14 B. W. G.).....pounds..	394	.24	94.56	.19	74.86
Sheet-iron, black, No. 10, for dampers.....do.....	66	.12	7.92	.06	3.96
Black iron pipe with 2 elbows (No. 10 U. S. W. G.).....pounds..	1,257	.12	150.84	.064	80.45
Sheet iron galvanized (No. 14 B. W. G.).....pounds..	50	.30	15.00	.144	7.20
Copper (No. 14 B. & S. G.).....do.....	15	.54	8.10	.73	10.95
Copper gaskets.....do.....	30	.45	13.50	.75	22.50
Total.....			130,775.44		32,649.29

<sup>1</sup> Bid No. 1 does not give price for first item.

All bids rejected.

*Abstract of proposals for furnishing and installing operating machinery at Dam No. 37, Ohio River, received in response to advertisement dated Oct. 16, 1909, and opened at Cincinnati, Ohio, Nov. 15, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers.*

Articles.	Quantity.	(1) G. & W. Manufacturing Co., New York, N. Y.		(2) New Jersey Foundry & Machine Co., New York, N. Y.		(3) W. Bateson & Co., Wheeling, W. Va.	
		Rate.	Amount.	Rate.	Amount.	Rate.	Amount.
Straight-line air compressors.....number.....	2	\$1,800.00	\$3,600.00	\$2,317.00	\$4,634.00	\$2,065.00	\$4,130.00
Turbo-generator.....do.....	1	.....	1,690.00	.....	1,783.00	.....	1,707.00
Air receivers.....do.....	4	240.00	960.00	302.50	1,210.00	277.50	1,110.00
Water-tube boilers.....do.....	2	2,000.00	5,200.00	2,700.00	5,400.00	2,584.00	5,166.00
Feed-water heater.....do.....	1	.....	300.00	.....	412.50	.....	404.00
Feed-water pump.....do.....	1	.....	175.00	.....	183.50	.....	157.00
Drainage receiver.....do.....	1	.....	80.00	.....	91.75	.....	98.00
Injectors.....do.....	2	30.00	60.00	29.80	59.60	33.60	67.20
Duplex winding engines, number.....	2	800.00	1,600.00	1,105.00	2,210.00	980.00	1,960.00
Air jacks.....number.....	32	200.00	6,400.00	238.50	7,632.00	270.60	8,659.20
Winches for flushing conduits.....number.....	2	300.00	600.00	485.00	970.00	470.00	940.00
Standard lap-welded wrought-iron pipe:							
8-inch.....linear feet.....	176	2.75	484.00	2.16	380.16	2.70	475.20
6-inch.....do.....	77	2.00	154.00	1.38	106.26	1.64	126.28
5-inch.....do.....	27	1.50	40.50	1.81	48.87	1.40	37.80
4½-inch.....do.....	19	1.50	28.50	1.63	30.97	1.36	25.84
4-inch.....do.....	170	1.00	170.00	.94	159.80	.90	153.00
3-inch.....do.....	772	.75	579.00	.59	455.48	.60	463.20
2½-inch.....do.....	17	.75	12.75	.57	9.69	.48	8.16
2-inch.....do.....	128	.50	64.00	.33	42.24	.34	43.52
1½-inch.....do.....	209	.50	104.50	.53	110.77	.32	66.88
1¼-inch.....do.....	137	.40	54.80	.24	32.88	.30	41.10
1-inch.....do.....	53	.40	21.20	.30	15.90	.28	14.84
¾-inch.....do.....	42	.40	16.80	.31	13.02	.27	11.34
Pipe bends, 4-inch.....do.....	9	2.00	18.00	1.02	9.18	1.80	16.20
Wrought-iron dredge chain:							
¾-inch.....linear feet.....	496	.60	297.60	.58	287.68	.60	297.60
¾-inch.....do.....	20	.40	8.00	.39	7.80	.36	7.20
Wrought-iron straight-link chain, ¾-inch.....linear feet.....	30	.20	6.00	.16	4.80	.18	5.40
Brass whistle chain, ¾-inch, linear feet.....	25	.40	10.00	.27	6.75	.20	5.00
Pipe coverings for:							
8-inch pipe.....linear feet.....	58	.70	40.60	.39	22.62	.60	34.80
6-inch pipe.....do.....	68	.60	40.80	.30	20.40	.45	30.60
5-inch pipe.....do.....	21	.50	10.50	.28	5.88	.40	8.40
4½-inch pipe.....do.....	14	.50	7.00	.28	3.92	.38	5.32
4-inch pipe.....do.....	30	.50	15.00	.26	7.80	.32	9.60
2-inch pipe.....do.....	100	.24	24.00	.19	19.00	.22	22.00
1½-inch pipe.....do.....	18	.22	3.96	.17	3.06	.20	3.60
1-inch pipe.....do.....	31	.20	6.20	.12	3.72	.18	5.58
Boiler drum, etc., square feet.....	100	.60	60.00	.28	28.00	.44	44.00
8-inch pipe fittings, number.....	11	1.50	16.50	1.48	16.28	1.54	16.94
6-inch pipe fittings, number.....	6	1.00	6.00	1.02	6.12	.96	5.76
5-inch pipe fittings, number.....	1	.....	.90	.....	.97	.....	.72
4½-inch pipe fittings, number.....	3	.90	2.70	.81	2.43	.58	1.74
4-inch pipe fittings, number.....	8	.70	5.60	.65	5.20	.48	3.84
2-inch pipe fittings, number.....	19	.50	9.50	.49	9.31	.30	5.70
1½-inch pipe fittings, number.....	5	.50	2.50	.46	2.30	.28	1.40
1-inch pipe fittings, number.....	13	.60	7.80	.37	4.81	.28	3.64
Cast-iron elbows, viz:							
8-inch long radius, number.....	9	18.75	168.75	6.40	57.60	19.96	179.64
8-inch long radius, round base, number.....	1	.....	15.00	.....	6.40	.....	15.85
6-inch long radius, number.....	2	10.40	20.80	3.75	7.50	11.14	22.28
5-inch long radius, number.....	3	9.00	27.00	3.00	9.00	9.60	28.98
4½-inch long radius, number.....	3	8.00	24.00	2.40	7.20	8.58	25.74
4-inch long radius, number.....	10	7.00	70.00	1.71	17.10	7.52	75.20
3-inch standard, number.....	14	4.00	56.00	1.16	17.24	.58	8.12



*Abstract of proposals for furnishing and installing operating machinery at Dam No. 37, Ohio River, etc.—Continued.*

Articles.	Quantity.	(1) G. & W. Manufacturing Co., New York, N. Y.		(2) New Jersey Foundry & Machine Co., New York, N. Y.		(3) W. Bateson & Co., Wheeling, W. Va.	
		Rate.	Amount.	Rate.	Amount.	Rate.	Amount.
Cast-iron reducing elbows:							
8 to 6 inch.....number..	4	\$20.00	\$80.00	\$6.40	\$25.60	\$19.80	\$79.20
4 to 3 inch.....do.....	2	8.00	16.00	1.69	3.38	7.52	15.04
Malleable-iron elbows:							
2½-inch long radius, number.....	2	1.50	3.00	1.67	3.34	1.15	2.30
2-inch long radius, number.....	11	1.00	11.00	1.05	11.55	.80	8.80
1½-inch long radius, number.....	130	.80	104.00	.72	93.60	.62	80.60
1¼-inch long radius, number.....	18	.50	9.00	.45	8.10	.48	8.64
1-inch long radius, number.....	5	.50	2.50	.48	2.40	.40	2.00
¾-inch long radius, number.....	6	.50	3.00	.42	2.52	.34	2.04
¾-inch, 45°.....number..	4	.50	2.00	.45	1.80	.28	1.12
Cast-iron tees:							
8 by 8 by 8 inches, long radius.....number.....	4	15.00	60.00	13.50	54.00	14.34	57.36
Cast-iron tees:							
8 by 8 by 6 inches, long radius.....No.....	5	19.00	95.00	15.50	77.50	15.86	79.30
8 by 8 by 4 inches, long radius.....No.....	1	.....	19.00	.....	15.50	.....	15.85
8 by 8 by 1½ inches, long radius.....No.....	1	.....	18.00	.....	15.50	.....	15.86
5 by 6 by 8 inches, long radius.....No.....	1	.....	18.00	.....	15.50	.....	15.86
4½ by 6 by 5 inches, long radius.....No.....	1	.....	10.00	.....	10.15	.....	9.56
4 by 4 by 8 inches, long radius.....No.....	1	.....	18.00	.....	15.50	.....	15.85
4 by 4 by 6 inches, long radius.....No.....	2	10.00	20.00	10.15	20.30	9.60	19.20
3 by 3 by 3 inches, long radius.....No.....	6	4.00	24.00	2.04	12.24	4.32	25.92
3 by 3 by 1½ inches, number.....	64	2.50	160.00	1.90	121.60	2.18	139.52
3 by 1½ by 3 inches, number.....	1	.....	2.50	.....	2.29	.....	2.18
Malleable iron tees:							
2½ by 2½ by 2½ inches, long radius.....No.....	1	.....	2.00	.....	1.70	.....	1.10
2½ by 1½ by 2½ inches, long radius.....No.....	1	.....	2.00	.....	1.85	.....	1.60
1½ by 1½ by 1½ inches, long radius.....No.....	7	.95	6.65	.74	5.18	.50	3.50
1½ by 1½ by 1 inch, long radius.....No.....	1	.....	.95	.....	.80	.....	.50
¾ by ¾ by 1½ inches, long radius.....No.....	1	.....	.95	.....	.80	.....	.75
¾ by ¾ by ¾ inches, long radius.....No.....	1	.....	.70	.....	.65	.....	.32
Cast-iron cross:							
3 by 2½ by 2½ by 1½ inches.....No.....	1	.....	4.00	.....	3.45	.....	1.32
Brass unions:							
2½ inches.....do.....	1	.....	3.00	.....	3.00	.....	3.26
2 inches.....do.....	4	2.00	8.00	1.58	6.32	2.18	8.72
1½ inches.....do.....	2	1.40	2.80	1.22	2.44	1.36	2.72
1¼ inches.....do.....	8	1.00	8.00	.98	7.84	1.04	8.32
1 inch.....do.....	4	.75	3.00	.73	2.92	.74	2.96
¾ inch.....do.....	5	.60	3.00	.64	3.20	.54	2.70
Cast-iron flanges:							
8 inches.....do.....	39	2.00	78.00	1.81	70.59	2.15	83.85
6 inches.....do.....	15	1.50	22.50	1.31	19.65	1.56	23.40
5 inches.....do.....	6	1.40	8.40	1.02	6.12	1.48	8.88
4½ inches.....do.....	6	1.20	7.20	.78	4.68	1.20	7.20
4 inches.....do.....	31	1.00	31.00	.84	26.04	1.08	33.48
Gate valves:							
8 inches.....do.....	4	65.00	260.00	64.00	256.00	44.85	179.40
6 inches.....do.....	9	45.00	405.00	47.00	423.00	31.90	287.10
4 inches.....do.....	5	25.00	125.00	27.00	135.00	18.15	90.75
Globe valve (water cut-off), 3 inches.....No.....	1	.....	8.00	.....	9.00	.....	7.84

*Abstract of proposals for furnishing and installing operating machinery at Dam No. 37, Ohio River, etc.—Continued.*

Articles.	Quantity.	(1) G. & W. Manufacturing Co., New York, N. Y.		(2) New Jersey Foundry & Machine Co., New York, N. Y.		(3) W. Bateson & Co., Wheeling, W. Va.	
		Rate.	Amount.	Rate.	Amount.	Rate.	Amount.
Globe valves:							
2½ inches.....No.....	2	\$6.00	\$12.00	\$6.30	\$12.60	\$5.00	\$10.00
2 inches.....do.....	2	4.50	9.00	4.90	9.80	3.92	7.84
1½ inches.....do.....	4	2.00	8.00	2.22	8.88	1.76	7.04
1 inch.....do.....	3	1.50	4.50	1.78	5.34	1.32	3.96
¾ inch.....do.....	2	1.20	2.40	1.25	2.50	.96	1.92
Whistle valve, 1 inch, do.....	1	-----	7.00	-----	7.65	-----	5.60
Check valves, 1 inch, do.....	2	3.50	7.00	4.00	8.00	.92	1.84
Blow-off valves (Duro) 1½ inches.....No.....	2	10.00	20.00	10.65	21.30	7.80	15.60
Angle safety valves, 4 inches.....No.....	2	35.00	70.00	21.25	42.50	38.94	77.88
Floor stand:							
4 inches.....do.....	1	-----	25.00	-----	25.90	-----	20.25
8 inches.....do.....	1	-----	30.00	-----	29.80	-----	20.25
Stop and waste cock, 1½ inches.....No.....	1	-----	5.00	-----	4.12	-----	2.48
Gauge cock, 3-ball, do.....	6	1.00	6.00	1.35	8.10	.46	2.76
Steam cocks (brass), 1½ inches.....No.....	64	5.00	320.00	6.05	387.20	4.96	317.44
Drip cock:							
1½ inches.....do.....	1	-----	2.50	-----	5.44	-----	2.46
1 inch.....do.....	1	-----	2.50	-----	2.82	-----	1.32
Hose connection with cap:							
2½ inches.....No.....	1	-----	14.00	-----	13.50	-----	15.62
¾ inch.....do.....	1	-----	2.50	-----	2.50	-----	2.33
Water gauges, automatic, 3-rod, glass tube.....No.....	2	11.00	22.00	10.00	20.00	4.96	9.92
Air pressure gauge:							
12-inch dial.....do.....	1	-----	20.00	-----	21.80	-----	14.95
8-inch dial.....do.....	4	9.00	36.00	8.70	34.80	7.20	28.80
Steam pressure gauge:							
12-inch dial.....No.....	1	-----	20.00	-----	21.80	-----	14.95
8-inch dial.....do.....	1	-----	9.00	-----	8.70	-----	7.20
Water pressure gauge, 6-inch dial.....No.....	1	-----	5.00	-----	5.50	-----	4.28
Steam whistle.....do.....	1	-----	12.00	-----	9.75	-----	12.06
Turnbuckles.....do.....	36	.75	27.00	.51	18.36	.70	25.20
Malleable iron caps, 3 inches.....No.....	4	.50	2.00	.48	1.92	.40	1.60
Exhaust head.....do.....	1	-----	50.00	-----	43.25	-----	48.20
Saddle nozzle, 6-inch (cast steel) steam pipe.....No.....	1	-----	8.00	-----	6.10	-----	8.30
Saddle nozzles 4-inch (cast steel).....No.....	2	7.00	14.00	3.70	7.40	7.20	14.40
Saddle flange, screw, forged steel:							
2½ inches.....No.....	1	-----	5.00	-----	4.75	-----	2.08
2 inches.....do.....	1	-----	5.00	-----	4.10	-----	1.96
1 inch.....do.....	3	5.00	15.00	1.75	5.25	1.84	5.52
Wrenches for water-supply cut-off valves.....No.....	2	4.00	8.00	1.65	3.30	1.90	3.80
Brass gong:							
13 inches diameter, do.....	1	-----	12.00	-----	14.65	-----	8.36
6 inches diameter, do.....	1	-----	4.00	-----	5.00	-----	3.30
Steel forgings.....pounds.....	17,042	.05905	1,006.33	.135	2,300.67	.1075	1,832.02
Steel castings.....do.....	5,011	.13	651.43	.123	616.35	.12	601.32
Medium steel.....do.....	1,200	.12	144.00	.058	69.60	.38	456.00
Tool steel (keys).....do.....	58	.65	37.70	.50	29.00	.67	38.86
Wrought-iron forgings, pounds.....	2,577	.10	257.70	.144	371.09	.11	283.47
Iron castings (except pipe elbows).....pounds.....	15,493	.07	1,084.51	.0575	890.85	.0725	1,123.24
Iron castings, special elbow pipe.....pounds.....	2,000	.07	140.00	.068	136.00	.09	180.00
Brass composition castings, pounds.....	20	.50	10.00	.54	10.84	.34	6.80
Babbitt metal.....pounds.....	160	.22	35.2	.175	28.00	.24	38.40
Sheet-iron spiral pipe, galvanized (No. 12 B. W. G.), pounds.....	187	.25	46.75	.195	36.47	.28	52.36
Sheet iron spiral pipe, galvanized, with 4 elbows (No. 14 B. W. G.), pounds.....	394	.20	78.80	.195	76.83	.24	94.56
Sheet iron, black, No. 10, for dampers.....pounds.....	66	.11	7.26	.06	3.96	.12	7.92
Black iron pipe with 2 elbows (No. 10 U. S. W. G.), pounds.....	1,257	.11	138.27	.065	81.71	.12	150.84

*Abstract of proposals for furnishing and installing operating machinery at Dam No. 37, Ohio River, etc.—Continued.*

Articles.	Quantity.	(1) G. & W. Manufacturing Co., New York, N. Y.		(2) New Jersey Foundry and Machine Co., New York, N. Y.		(3) W. Bateson & Co., Wheeling, W. Va.	
		Rate.	Amount.	Rate.	Amount.	Rate.	Amount.
Sheet iron, galvanized. (No. 14 B. W. G.), pounds.....	50	\$0.20	\$10.00	\$0.147	\$7.35	\$0.30	\$15.00
Copper (No. 14 B. & S. G.), pounds.....	15	.70	10.50	.75	11.25	.60	9.00
Copper gaskets, corrugated, pounds.....	30	.75	22.50	.75	22.50	.62	18.60
Total.....			\$29,533.26		\$33,620.87		\$33,814.16

Bid No. 1 accepted.

*Abstract of proposals for furnishing and installing a water system at Dam No. 37, Ohio River, received in response to advertisement dated Oct. 14, 1909, and opened at Cincinnati, Ohio, Nov. 15, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers.*

Articles.	Quantity.	(1) G. & W. Mfg. Co., New York, N. Y.		(2) Horace E. Horton, Chicago, Ill.	
		Rate.	Amount.	Rate.	Amount.
Wrought iron and steel.....pounds..	24,000	\$0.09	\$2,160.00	\$0.095	\$2,280.00
Cast iron.....do.....	11	.20	2.20	.08	.88
Steel castings.....do.....	200	.20	40.00	.13	26.00
Copper (soft sheet).....do.....	280	.40	112.00	.35	98.00
Copper gaskets, corrugated.....do.....	2	1.00	2.00	.50	1.00
Babbitt metal.....do.....	7	.50	3.50	.50	3.50
Brass.....do.....	30	.50	15.00	.75	22.50
Brass chains.....linear feet..	20	.10	2.00	.20	4.00
Standard lap-welded wrought-iron pipe:					
10-inch.....do.....	70	3.00	210.00		
8-inch.....do.....	147	2.00	294.00		
4-inch.....do.....	190	2.00	380.00		
3½-inch.....do.....	134	1.00	134.00		
2-inch.....do.....	57	.50	28.50		
1½-inch.....do.....	208	.50	104.00		
Cast-iron pipe:					
4-inch.....do.....	1,395	1.60	2,232.00		
3-inch.....do.....	10	2.00	20.00		
Air pump.....number..	1		800.00		
Well top, standard cast-iron.....do.....	1		25.00		
Fire hydrants, 4-inch inlet, two 2½-inch nozzles.....do.....	12	50.00	600.00		
Gate valves:					
4-inch.....do.....	5	40.00	200.00		
3-inch.....do.....	1		25.00		
Extension valve and roadway boxes for—					
4-inch valve.....do.....	5	10.00	50.00		
3-inch valve.....do.....	1		10.00		
Cast-iron elbows, 90°, 4-inch, long radius.....do.....	4	10.00	40.00		
Cast-iron elbows, 45°, 4-inch, long radius.....do.....	4	10.00	40.00		
Cast-iron elbows, reducing, 5 by 4 inches, long radius.....do.....	2	7.00	14.00		
Malleable-iron elbows:					
2-inch, long radius.....do.....	3	2.00	6.00		
1½-inch, long radius.....do.....	3	2.00	6.00		
Cast-iron tees:					
4 by 4 by 4 inches, long radius.....do.....	11	9.00	99.00		
4 by 4 by 3 inches, long radius.....do.....	1		9.00		
Malleable-iron tees, 1½ by 2 by 1½ inches, long radius.....do.....	1		4.00		
Brass unions, 1½-inch.....do.....	2	3.00	6.00		
Corporation stopcocks:					
1½-inch.....do.....	2	3.00	6.00		
1½-inch.....do.....	5	3.00	15.00		
Cast-iron flanges, 4-inch.....do.....	12	.75	9.00		
Brass globe valves:					
2-inch.....do.....	2	4.00	8.00		
1½-inch.....do.....	2	2.00	4.00		
Detachable reducing hose connections.....do.....	12	4.00	48.00		
White pine timber.....feet B. M.....	600	.12	72.00	.22	132.00
Yellow pine timber.....do.....	650	.12	78.00	.90	58.50
White oak timber.....do.....	50	.20	10.00	.10	5.00
Drilling well, loose material.....linear feet..	70	3.50	245.00		
Drilling well, rock.....do.....	147	4.50	661.50		
Total.....			8,829.70		2,691.38

Bids rejected as excessive.

*Abstract of proposals for furnishing and installing a water-supply system at Dam No. 37, Ohio River, received in response to advertisement dated Mar. 7, 1910, and opened at Cincinnati, Ohio, Mar. 28, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

	Quantity.	(1) G. & W. Manufacturing Co., New York, N. Y.		(2) James Kin- ney, jr., Bellaire, Ohio.	
		Rate.	Amount.	Rate.	Amount.
Lot No. 1.					
Steel tower, or trestle, with tank, etc., as specified .....			\$2,700.00		
Lot No. 2.					
Well, inclusive of drilling and piping, etc., as specified .....			1,497.00		\$1,320.00
Lot No. 3 (material only).					
Standard lap-welded wrought-iron pipe:					
4-inch.....linear feet..	190				
2-inch.....do.....	57				
1½-inch.....do.....	10				
Cast-iron pipe:					
4-inch.....do.....	1,395				
3-inch.....do.....	10				
Fire hydrants, 4-inch inlet, two 2½-inch nozzles.....number..	12				
Gate valves:					
4-inch.....do.....	5				
3-inch.....do.....	1				
Extension valve and roadway boxes for:					
4-inch valve.....do.....	5				
3-inch valve.....do.....	1				
Cast-iron elbows, 90°, 4-inch, long radius.....do.....	4				
Cast-iron elbows, 45°, 4-inch, long radius.....do.....	4				
Cast-iron elbows, reducing, 5 by 4 inch, long radius.....do.....	2				
Malleable-iron elbows:					
2-inch, long radius.....do.....	3				
1½-inch, long radius.....do.....	3				
Cast-iron tees:					
4 by 4 by 4 inch, long radius.....do.....	11				
4 by 4 by 3 inch, long radius.....do.....	1				
Malleable-iron tees, 1½ by 2 by 1½ inch, long radius.....do.....	1				
Brass unions, 1½-inch.....do.....	2				
Corporation stopcocks:					
1½-inch.....do.....	2				
1-inch.....do.....	5				
Cast-iron flanges, 4-inch.....do.....	12				
Brass globe valves:					
2-inch.....do.....	2				
1½-inch.....do.....	2				
Detachable reducing hose connections.....do.....	12				
Lot No. 3 (material in place).					
Standard lap-welded wrought-iron pipe:					
4-inch.....linear feet..	190	\$2.50	475.00		
2-inch.....do.....	57	1.90	108.30		
1½-inch.....do.....	10	1.00	10.00		
Cast-iron pipe:					
4-inch.....do.....	1,395	.80	1,116.00		
3-inch.....do.....	10	.90	9.00		
Fire hydrants, 4-inch inlet, two 2½-inch nozzles.....number..	12	40.00	480.00		
Gate valves:					
4-inch.....do.....	5	53.60	268.00		
3-inch.....do.....	1		50.00		
Extension valve and roadway boxes for:					
4-inch valve.....do.....	5	7.00	35.00		
3-inch valve.....do.....	1		7.00		
Cast-iron elbows, 90°, 4-inch, long radius.....do.....	4	9.00	36.00		
Cast-iron elbows, 45°, 4-inch, long radius.....do.....	4	9.00	36.00		
Cast-iron elbows, reducing, 5 by 4 inch, long radius.....do.....	2	10.00	20.00		
Malleable-iron elbows:					
2-inch, long radius.....do.....	3	3.00	9.00		
1½-inch, long radius.....do.....	3	2.00	6.00		
Cast-iron tees:					
4 by 4 by 4 inch long radius.....do.....	11	3.00	33.00		
4 by 4 by 3 inch, long radius.....do.....	1		3.00		
Malleable-iron tees, 1½ by 2 by 1½ inch, long radius.....do.....	1		1.00		
Brass unions, 1½-inch.....do.....	2	2.00	4.00		

*Abstract of proposals for furnishing and installing a water-supply system at Dam No. 37, Ohio River, etc.—Continued.*

	Quantity.	(1) G. & W. Manufacturing Co., New York N. Y.		(2) James Kin- ney, Jr., Bellaire, Ohio.	
		Rate.	Amount.	Rate.	Amount.
Lot No. 3 (material in place)—Continued.					
Corporation stopcocks:					
1½-inch.....do.....	2	\$2.00	4.00	-----	-----
1½-inch.....do.....	5	2.00	10.00	-----	-----
Cast-iron flanges, 4-inch.....do.....	12	1.00	12.00	-----	-----
Brass globe valves:					
2-inch.....do.....	2	5.00	10.00	-----	-----
1½-inch.....do.....	2	4.00	8.00	-----	-----
Detachable reducing hose connections.....do.....	12	3.00	36.00	-----	-----
			2,786.30		

	Quantity.	(3) Des Moines Bridge & Iron Co., Des Moines, Iowa.	(4) Wm. T. Johnston Co., Cincinnati, Ohio.	(5) Littleford Bros., Cincin- nati, Ohio.			
		Rate.	Amount.	Rate.	Amount.	Rate.	Amount.
Lot No. 1.							
Steel tower, or trestle, with tank, etc., as specified			\$2,488.00				\$3,064.00
Lot No. 3 (material only).							
Standard lap-welded wrought-iron pipe:							
4-inch.....linear feet.....	190		\$0.90	\$171.00			
2-inch.....do.....	57		.30	17.10			
1½-inch.....do.....	10		.18	1.80			
Cast-iron pipe:							
4-inch.....do.....	1,395		.40	558.00			
3-inch.....do.....	10		.35	3.50			
Fire hydrants, 4-inch inlet, two 2½-inch nozzles.....number.....	12		29.90	358.80			
Gate valves:							
4-inch.....do.....	5		18.90	94.50			
3-inch.....do.....	1			9.40			
Extension valve and roadway boxes for:							
4-inch valve.....do.....	5		11.90	59.50			
3-inch valve.....do.....	1			10.90			
Cast-iron elbows, 90°, 4-inch, long radius, number.....	4		3.15	12.60			
Cast-iron elbows, 45°, 4-inch, long radius, number.....	4		3.15	12.60			
Cast-iron elbows, reducing, 5 by 4 inch, long radius.....number.....	2		5.90	11.80			
Malleable-iron elbows:							
2-inch, long radius.....do.....	3		.72	2.16			
1½-inch, long radius.....do.....	3		.40	1.20			
Cast-iron tees:							
4 by 4 by 4 inch, long radius.....do.....	11		3.15	34.65			
4 by 4 by 3 inch, long radius.....do.....	1			3.15			
Malleable-iron tees, 1½ by 2 by 1½-inch, long radius.....number.....	1			.80			
Brass unions, 1½-inch.....do.....	2		.75	1.50			
Corporation stopcocks:							
1½-inch.....do.....	2		5.00	10.00			
1-inch.....do.....	5		4.00	20.00			
Cast-iron flanges, 4-inch.....do.....	12		1.00	12.00			
Brass globe valves:							
2-inch.....do.....	2		6.00	12.00			
1½-inch.....do.....	2		2.75	5.50			
Detachable reducing hose connections.....do.....	12		2.50	30.00			
				1,454.46			

Bids 2, 3, and 4 accepted.

*Abstract of proposals for constructing hull of maneuver boat for use at Dam No. 37, Ohio River, received in response to advertisement dated Apr. 28, and opened at Cincinnati, Ohio, May 18, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.	Names and addresses of bidders.	Amount.
1	Oscar F. Barrett, Cincinnati, Ohio.....	\$2,758.50
2	The Chas. Barnes Co., Cincinnati, Ohio.....	3,000.00
3	Cole Bros., Coraopolis, Pa.....	3,475.00
4	J. M. Hammitt, Marietta, Ohio.....	2,580.00
5	Ed. J. Howard, Jeffersonville, Ind.....	2,680.00
6	Monongahela River Consolidated Coal & Coke Co., Pittsburg, Pa.....	2,311.00

Bid No. 6 accepted.

*Abstract of proposals for fitting and connecting pipe, etc., in connection with water system, Dam No. 37, Ohio River, received in response to public notice dated May 24, and opened at Cincinnati, Ohio, June 1, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.	Name and address of bidder.	Amount.
1	Sheridan-Kirk Contract Co., Cincinnati, Ohio.....	\$502.65

Bid accepted.

*Abstract of proposals for constructing office building at Dam No. 37, Ohio River, received in response to advertisement dated May 16, and opened at Cincinnati, Ohio, June 15, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers.*

No.	Names and addresses of bidders.	Amount.
1	Wm. Miller & Son, Cincinnati, Ohio.....	\$6,975
2	G. & W. Mfg. Co., New York, N. Y.....	9,443
3	Guleser & Mielke, Cincinnati, Ohio.....	7,175
4	M. Marcus Building Co., Cincinnati, Ohio.....	6,200

Bid No. 4 accepted.

## CINCINNATI (OHIO); SECOND DISTRICT.

[Officer: Maj. John C. Oakes, Corps of Engineers.]

### RIVERS AND HARBORS.

*Abstract of proposals for constructing one push boat for use on Big Sandy River, W. Va. and Ky., received in response to circular advertisement dated Feb. 16, 1910, and opened Feb. 28, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Operating and care of canals and other works of navigation: Indefinite, Big Sandy River, W. Va. and Ky.]

Article.	(1) Evans & Justice, Louisa, Ky.	(2) Kana-wha Dock Co., Point Pleasant, W. Va.
For constructing one push boat and delivering same at Lock No. 3, Big Sandy River, West Virginia and Kentucky.....	\$124.50	\$175.00

Bid No. 1 accepted.



*Abstract of proposals for making repairs at Locks Nos. 1, 2, 3, 5, and 8, Muskingum River, received in response to circular advertisement dated Sept. 8, 1909, and opened Sept. 20, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

Appropriation: Operating and care of canals and other works of navigation: Indefinite, as applied to Muskingum River, Ohio.]

Items.	Clifton Bros., Zanesville, Ohio.	
	Unit price.	Total.
At Lock No. 1: Piling, 432 linear feet.....	\$0. 60	\$259. 20
At Lock No. 2: Excavation, 40 cubic yards.....	. 80	32. 00
Concrete, 108 cubic yards.....	9. 60	1,036. 80
Total.....		1,068. 80
At Lock No. 3: Excavation, 110 cubic yards.....	. 50	55. 00
Filling, 250 cubic yards.....	. 70	175. 00
Concrete, 90 cubic yards.....	9. 90	891. 00
Total.....		1,121. 00
At Lock No. 5: Excavation, 124 cubic yards.....	. 60	74. 40
Filling, 50 cubic yards.....	. 70	35. 00
Concrete, 68 cubic yards.....	9. 90	673. 20
Total.....		782. 60
At Lock No. 8: Excavation, 300 cubic yards.....	. 50	150. 00
Filling, 500 cubic yards.....	. 70	350. 00
Concrete, 139 cubic yards.....	9. 60	1,334. 40
Piling, 400 linear feet.....	. 60	240. 00
Total.....		2,074. 40
Grand total.....		5,306. 00

Accepted.

*Abstract of proposals for constructing concrete pavement at Locks Nos. 4 and 8, Muskingum River, Ohio, received in response to circular advertisement dated Oct. 1, 1909, and opened Oct. 15, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Operating and care of canals and other works of navigation: Indefinite, as applied to Muskingum River, Ohio.]

No.	Names and addresses of bidders.	Lock No. 4, 1,509 square feet paving.		Lock No. 8, 1,620 square feet paving.		Total.
		Unit price.	Total.	Unit price.	Total.	
1	J. H. Stiers, Beverly, Ohio.....	\$0. 15½	\$233. 89			\$233. 89
2	Alonzo Hanson, Wheeling, W. Va.....	. 12	181. 08	\$0. 13	\$210. 60	391. 68
3	Clifton Bros., Zanesville, Ohio.....	. 23	347. 07	. 23	372. 60	719. 67

Bid No. 2 accepted.

*Abstract of proposal for constructing roadway on canal embankment at Lock No. 10, Muskingum River, Ohio, received in response to circular advertisement dated Oct. 8, 1909, and opened Oct. 21, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Operating and care of canals and other works of navigation: Indefinite, as applied to Muskingum River, Ohio.]

Name and address of bidder.	2,750 square feet paving.		50 cubic yards ballast.		Total.
	Unit price.	Total.	Unit price.	Total.	
S. W. Hoffman, Zanesville, Ohio.....	\$0.14	\$385.00	\$1.10	\$55.00	\$440.00

Accepted.

*Abstract of proposals for constructing, in concrete, a core wall for closing abandoned conduit at Lock No. 7, Muskingum River; received in response to circular advertisement dated Feb. 2, 1910, and opened Feb. 14, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Operating and care of canals and other works of navigation: Indefinite (Muskingum River).]

Classification.	(1) Alonzo Hanson, McConnelsville, Ohio.		(2) Clifton Bros., Zanesville, Ohio.		(3) Charles W. Hughes, McConnelsville, Ohio.	
	Unit price.	Total.	Unit price.	Total.	Unit price.	Total.
For constructing, in concrete, a core wall for closing abandoned conduit at Lock No. 7, Muskingum River:						
Excavation, 500 cubic yards.....	\$0.50	\$250.00	\$0.80	\$400.00	\$0.75	\$375.00
Concrete, 33 cubic yards.....	6.50	214.50	7.00	231.00	7.00	231.00
Filling, 600 cubic yards.....	.50	300.00	.70	420.00	.35	210.00
Total.....		764.50		1,051.00		816.00

Bid No. 1 accepted.

*Abstract of proposal for constructing one frame dwelling, one frame outbuilding, one cistern, etc., at Lock No. 12, Kentucky River, Ky., received in response to circular advertisement dated Nov. 15, 1909, and opened Nov. 30, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Improving Kentucky River, Ky.]

Classification.	E. A. Bogie, College Hill, Ky.	
	Unit price.	Total.
Excavation, 225 cubic yards.....	\$1.00	\$225.00
Concrete, 60 cubic yards.....	12.00	720.00
Drains, 225 linear feet.....	1.00	225.00
Dwelling.....		2,900.00
Outbuilding.....		400.00
Cistern.....		200.00
Moving office building.....		60.00
Total.....		4,730.00

Rejected; excessive.

102 MATERIALS AND LABOR FOR ENGINEER DEPARTMENT.

*Abstract of proposals for constructing dwelling, etc., at Lock No. 12, Kentucky River, Ky., received in response to advertisement dated Dec. 31, 1909, and opened Jan. 20, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Improving Kentucky River, Kentucky.]

	(1) J. F. Harris, Irvine, Ky.	(2) Congleton Lumber Co., Lexington, Ky.	(3) E. A. Bogie, College Hill, Ky.	(4) Ohio River Contract Co., Evansville, Ind.		(5) Capital Lumber & Manufacturing Co., Frankfort, Ky.	(6) W. P. Eckley, Winchester, Ky.
				Unit price.	Total.		
For constructing dwelling, etc., at Lock No. 12, Kentucky River, Kentucky:							
Lot No. 1:							
Excavation, 225 cubic yards.....				\$0.60	\$135.00		
Concrete, 60 cubic yards.....				9.50	570.00		
Drains, 225 linear feet.....				.55	123.75		
For the job complete.....							
Lot No. 2:							
Dwelling, above foundation only.....		\$2,525.00	\$2,800.00			\$2,500.00	\$3,261.00
Outbuilding, above foundation only.....		275.00	300.00			300.00	400.00
Lot No. 3:							
Cistern, complete, including excavation necessary therefor, filling, pump, etc.....							
Lot No. 4: Moving office building.....					35.00		
Lot No. 5: Constructing and completing the entire work as contemplated by the specifications, for the job complete.....	\$3,875.00						

All bids rejected as being excessive.

*Abstract of proposals for furnishing the services of a towboat, with crew, for use as dredge tender, etc., on Kentucky River, Ky., received in response to circular advertisement dated July 6, 1909, and opened July 14, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Operating and care of canals and other works of navigation. Indefinite as applied to Kentucky River.]

No.	Names and addresses of bidders.	Name of boat.	Amount.
1	Frankfort Elevator Coal Co., Cincinnati, Ohio.....	J. C. Burdette.....	<i>Per day.</i> \$26.53
2	Frankfort Elevator Coal Co., Cincinnati, Ohio.....	Major Slack.....	31.33
3	The Kentucky & Ohio Transportation Co., Carrollton, Ky.....	Reba Reeves.....	34.50
4	Lewis Tanner, Madison, Ind.....	Monie Bauer.....	19.50

Bid No. 4 accepted.

*Abstract of proposals for furnishing the services of one-decked barge, for use on the Kentucky River, Ky., received in response to circular advertisement dated Aug. 2, 1909, and opened Aug. 9, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Operating and care of canals and other works of navigation. Indefinite as applied to Kentucky River, Ky.]

No.	Names and addresses of bidders.	Number of days after signature to contract in which delivery will be made.	For furnishing services of one-decked barge, for a period of from 90 to 120 days.
1	Kenney Bros. Co., Frankfort, Ky.....	1	<i>Per day.</i> \$3.00
2	Wm. H. Pullem, Madison, Ind.....	10	4.00

Bid No. 1 accepted.

*Abstract of proposals for furnishing and delivering about 1,000 barrels of American Portland cement, for use on the Kentucky River, Ky., received in response to circular advertisement dated Sept. 22, 1909, and opened Oct. 4, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

Appropriation: Operating and care of canals and other works of navigation. Indefinite as applied to Kentucky River, Ky.]

No.	Names and addresses of bidders.	Brand.	Location of mills.	Price per barrel.	Rebate for empty sacks returned. <sup>1</sup>
1	Ironton Portland Cement Co., Ironton, Ohio.	Limestone.....	Ironton, Ohio.....	\$1.63	<i>Per sack.</i> 0.075
2	Universal Portland Cement Co., Pittsburgh, Pa.	Universal.....	Buffington, Md....	1.72	.10
3	Virginia Portland Cement Co., New York, N. Y.	Old Dominion....	Fordwick, Va.....	1.51	.075
4	Alma Cement Co., Wellston, Ohio....	Alma.....	Wellston, Ohio....	1.64	.075
5	Kosmos Portland Cement Co., Louisville, Ky.	Kosmos.....	Kosmosdale, Ky..	1.56	.10

<sup>1</sup> 4 sacks equal 1 barrel.

Bid No. 5 accepted.

*Abstract of proposals for furnishing approximately 1,500 cubic yards of gravel, delivered at Lock No. 4, Kentucky River, for repairs to that lock, received in response to circular advertisement dated Sept. 22, 1909, and opened Oct. 4, 1909, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Operating and care of canals and other works of navigation: Indefinite, as applied to Kentucky River, Ky.]

No.	Names and addresses of bidders.	Amount.	
		Unit price.	Total.
1	Kentucky & Ohio Transportation Co., Carrollton, Ky.....	\$1.42	\$2,130.00
2	J. B. Blanton Co., Frankfort, Ky.....	1.50	2,250.00

Bid No. 1 accepted.

*Abstract of proposals for constructing one wooden barge for use on Kentucky River, Ky., received in response to advertisement dated Jan. 11, 1910, and opened Jan. 25, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Operating and care of canals and other works of navigation: Indefinite (Kentucky River, Ky.)]

	(1) Kanawha Dock Co., Point Pleasant, W. Va.	(2) Monongahela River Consolidated Coal & Coke Co., Pittsburgh, Pa.	(3) Howard Ship Yard Co., Jeffersonville, Ind.
For constructing one wooden barge of—			
Long-leaf yellow pine.....		\$2,600.00	\$2,670.00
Red Oregon fir.....	\$2,200.00	<sup>1</sup> 2,671.00	3,250.00
White oak.....		<sup>2</sup> 3,000.00	2,670.00

<sup>1</sup> With deck of long-leaf yellow pine.

<sup>2</sup> With deck and bottom of long-leaf yellow pine.

Bid No. 1 accepted, and emergency contract entered into January 26, 1910.

*Abstract of proposals for raising the wheel, etc., of U. S. S. Kentucky, received in response to circular advertisement dated Feb. 8, 1910, and opened Feb. 21, 1910, by Lieut. Col. J. G. Warren, Corps of Engineers, at Cincinnati, Ohio.*

[Appropriation: Operating and care of canals and other works of navigation: Indefinite, as applied to Kentucky River, Ky.]

Classification.	(1) Ed. J. Howard, Jeffersonville, Ind.	(2) Parkersburg Dock Co., Parkersburg, W. Va.	(3) M. A. Sweeney Shipyard & Foundry Co., Jeffersonville, Ind.
Use of marine ways:			
Hauling out and docking boat.....	\$350.00	\$100.00	\$12.50
For each lay day.....	10.00	10.00	
Labor:			
Foreman in charge..... per day..	5.00	5.00	6.00
Ship carpenters..... do.....	3.50	3.50	4.50
Calkers..... do.....	3.50	3.50	4.50
Machinists..... do.....	5.00	4.00	4.50
Machinist's helper..... do.....	3.00	3.50	2.00
Painters..... do.....	3.50	3.25	3.50
Laborers..... do.....	2.25	2.50	1.75
Blacksmith..... do.....	10.00	4.00	4.50
Blacksmith's helper..... do.....	2.50	2.25	2.00
Timekeeper..... do.....		2.50	
Materials:			
Long-leaf yellow pine, sawed to dimensions. M feet B. M. .	50.00	60.00	50.00
White oak, sawed to dimensions..... do.....	70.00	75.00	60.00
Ironwork, including bolts, nails, etc..... pound..	.10	.05	.05
Oakum, "Best"..... do.....	.15	.09	.085
Cotton..... do.....	.25	.15	.30
Insurance of boat.....		330.00	p.d. 8.00

All bids rejected on account of being excessive.

### PITTSBURG (PA.) DISTRICT.

[Officer: Lieut. Col. H. C. Newcomer, Corps of Engineers.]

#### RIVERS AND HARBORS.

*Abstract of proposals for building lock gates and operating machinery for Lock 1, Monongahela River, received in response to circular-letter advertisement of Aug. 24, 1909, opened at Pittsburg, Pa., Sept. 8, 1909, by Maj. H. C. Newcomer, Corps of Engineers.*

No.	Names and addresses of bidders.	Amount.	
		Section A machinery.	Section B lock gates.
1	J. & J. B. Millholland Co., Pittsburg, Pa.....	\$4,379.35	
2	H. P. Gazzam Machine Co., Pittsburg, Pa.....	4,623.90	
3	Independent Bridge Co., Pittsburg, Pa.....		\$11,815.00
4	Penn Bridge Co., Beaver Falls, Pa.....		12,887.00
5	Rosedale Foundry & Machine Co., Pittsburg, Pa.....	5,400.00	

No. 1 accepted for section A (machinery).

Both bids for section B (lock gates) were rejected on account of prices, bid being considered as excessive. Award was made in open market to W. N. Kratzer & Co., Pittsburg, Pa., for \$10,000.

*Abstract of proposals for furnishing and installing an air compressor plant at Lock 1, Monongahela River, Pittsburg, Pa., received in response to advertisement dated Aug. 16, 1909, opened at Pittsburg, Pa., Sept. 15, 1909, by Maj. H. C. Newcomer, Corps of Engineers.*

No.	Names and addresses of bidders.	Amount.	Weight of flywheel.
			<i>Pounds.</i>
1	Bury Compressor Co., Erie, Pa.....	\$3,490	2,500
2	Hall Steam Pump Co., Pittsburg, Pa.....	4,164	2,650
3	Ingersoll-Rand Co., New York, N. Y.....	3,650	2,200
4	American Compressor & Pump Co., Baltimore, Md.....	4,028	1,700
5	Pittsburg Gage & Supply Co., Pittsburg, Pa.....	2,981	1,200
6	James Beggs & Co., New York, N. Y.....	4,240	1,400
7	Sullivan Machinery Co., Chicago, Ill.....	4,832	2,000
8	G. & W. Manufacturing Co., New York, N. Y.....	5,703	2,800
9	The Jeanesville Iron Works Co., Hazleton, Pa.....	4,373	1,400
10	Dravo-Doyle Co., Pittsburg, Pa.....	15,173	-----
11	The Blaisdell Machinery Co., Bradford, Pa.....	6,960	3,500
12	Chicago Pneumatic Tool Co., Chicago, Ill.....	4,650	1,090
		3,530	2,200
		3,452	2,100

<sup>1</sup> Includes piping and installing.

<sup>2</sup> Bids mailed apparently in time for delivery before hour set for opening, but were received after 12 o'clock.

No. 4 accepted.

*Abstract of proposals for cutting apart, riveting, and covering with buckle-plate skin the steel framework of lower leaves of two bear-trap gates at Dam 6, Ohio River, Pa., received in response to circular-letter advertisement, and opened at Pittsburg, Pa., at 12 m., Sept. 18, 1909, by Maj. H. C. Newcomer, Corps of Engineers.*

Items.	(1) Independent Bridge Co., Pittsburg, Pa.		(2) Penn Bridge Co. Beaver Falls, Pa.	
	Unit price.	Amount	Unit price.	Amount.
Cutting apart, etc., reaming and riveting framework of 2 lower leaves (lump sum).....		\$13,859.00		\$11,290.00
172,000 pounds buckle-plate covering, wrought steel.....	\$0.0583	10,027.60	\$0.057	9,804.00
Painting 2 lower leaves of gates (lump sum).....		500.00		1,400.00
Total.....		24,386.60		22,494.00

No. 2 accepted.



## WHEELING (W. VA.) DISTRICT.

[Officer: Capt. F. W. Altstaetter, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for furnishing and delivering timber for the Kanawha River improvement received in response to advertisement dated Aug. 6, 1909, and opened at Charleston, W. Va., Sept. 7, 1909, by Thos. E. Jeffries, assistant engineer, for Capt. F. W. Altstaetter, Corps of Engineers.*

[The unit price is per 1,000 feet b. m.]

No.	Names and addresses of bidders.	Lot A: White-oak timber (16,279 feet b. m.).		Lot B: Western-fir timber (58,472 feet b. m.).		Lot C: White-oak timber (37,983 feet b. m.).		Lot C: Western-fir timber (21,139 feet b. m.).		Total, Lot C.
		Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	
1	Bluestone Land & Lumber Co., Princeton, W. Va.	\$27.75	\$451.74	-----	-----	\$34.75	\$897.77	\$49.00	\$1,631.06	\$2,528.83
2	Kanawha Dock Co., Point Pleasant, W. Va.	39.00	634.88	\$48.00	\$2,806.66	-----	-----	-----	-----	-----
3	G. Elias & Bro., Buffalo, N. Y.	60.00	976.74	50.00	2,923.60	57.50	2,178.85	57.50	1,215.49	3,394.34
4	W. M. Ritter Lumber Co., Columbus, Ohio.	33.00	537.21	-----	-----	-----	-----	-----	-----	-----
5	The Marsh & Bingham Co., Chicago, Ill.	-----	-----	-----	2,614.71	-----	-----	-----	-----	-----
6	The Parkersburg Mill Co., Parkersburg, W. Va.	57.00	927.90	-----	-----	-----	-----	-----	-----	-----
7	E. H. Lewis Lumber Co., Seattle, Wash.	-----	-----	40.00	2,338.88	40.00	1,519.32	40.00	845.56	2,864.88

NOTE: No. 1, first 9 items and western fir of Lot C to be white pine; No. 7, Lots B and C to be western fir instead of kind called for.

No. 4. Accepted for Lot A; No. 1 refused to enter into contract.

No. 7. Accepted for Lot B.

*Abstract of proposals for furnishing and delivering steel castings, bolts, etc., for Dam No. 26, Ohio River, received in response to advertisement dated Aug. 11, 1909, and opened at Wheeling, W. Va., Aug. 21, 1909, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	Cast steel (12,000 pounds).		Bolts, etc. (1,350 pounds).		Total.	Delivery.	
		Unit price.	Amount.	Unit price.	Amount.		Commence.	Complete.
1	Penn Steel Casting & Machine Co., Chester, Pa.	\$0.06	\$720.00	-----	-----	\$1,364.72	Days. 40	Days. 60
2	Sterrit-Thomas Foundry Co., Pittsburgh, Pa.	.068	816.00	\$0.068	\$91.80	907.80	15	26
3	The Aetna Foundry & Machine Co., Warren, Ohio	.069	828.00	.04	54.00	882.00	-----	42
4	J. & J. B. Milholland Co., Pittsburgh, Pa.	.067	804.00	.031	41.85	845.85	-----	-----

Nos. 1 and 4 informal.

No. 4. Accepted.

*Abstract of proposal for constructing 200 feet of navigable pass for Dam No. 19, Ohio River, received in response to advertisement dated Sept. 1, 1909, and opened at Wheeling, W. Va., Sept. 11, 1909, by Capt. F. W. Altstaetter, Corps of Engineers.*

Articles.	Quantity.	(1) The Hollerbach & May Contract Co., Little Hocking, Ohio.	
		Unit price.	Amount.
Common excavation..... cubic yards..	3,500	\$1.00	\$3,500.00
Rock excavation..... do.....	250	1.00	250.00
Oak timber..... linear feet of sill..	200	5.00	1,000.00
Concrete..... cubic yards..	2,000	9.00	18,000.00
Structural steel..... pounds..	12,500	.04	500.00
Bolts, etc..... do.....	2,800	.04	112.00
Iron castings..... do.....	42,000	.04	1,680.00
Steel castings..... do.....	19,000	.08	1,520.00
Pipe, 4-inch..... linear feet..	400	1.50	600.00
Total.....			27,162.00

No. 1 accepted.

*Abstract of proposal for furnishing and delivering American-Portland cement for Dam No. 26, Ohio River, received in response to advertisement dated Sept. 11, 1909, and opened at Wheeling, W. Va., Sept. 22, 1909, by Capt. F. W. Altstaetter, Corps of Engineers.*

No. of proposal.	Names and addresses of bidders.	Cement (20,000 barrels).		Brand.	Weight per barrel.	Allowance for return of sacks.
		Unit price.	Amount.			
1	The Ironton Portland Cement Co., Ironton, Ohio.	\$1.46	\$29,200.00	Limestone..	Pounds. 380	Cents. 10
2	Universal Portland Cement Co., Pittsburg, Pa.	1.34	26,800.00	Universal...	375	10
3	The Superior Portland Cement Co., Cincinnati, Ohio.	1.31	26,200.00	Superior....	375	7½
4	The Atlas Portland Cement Co., New York, N. Y.	1.3864	27,728.00	Atlas.....	376	7½
5	Lehigh Portland Cement Co., Cleveland, Ohio.	1.54	30,800.00	Lehigh.....	375	7½

No. 2 accepted.

*Abstract of proposals for building two lockkeepers' houses at each of dams Nos. 8, 18, and 26, Ohio River, received in response to advertisement dated Nov. 16, 1909, and opened at Wheeling, W. Va., Dec. 16, 1909, by Capt. F. W. Altstaetter, Corps of Engineers.*

Items.	(1) N. C. Hamilton & Son, Wheeling, W. Va.		(2) Stephen Davidson, Parkersburg, W. Va.		(3) McHenry-Beatty Co., East Liverpool, Ohio.		(4) McMoTh & Kelly & Wm. M. Thompson, Freeport, Ohio.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
<i>Dam No. 8.</i>								
1. Grading.....	\$250.00	\$500.00	.....	.....	\$110	\$220.00	\$140	\$280.00
2. Concrete foundation.....	780.00	1,560.00	.....	.....	620	1,240.00	540	1,080.00
3. Concrete floor and steps.....	295.00	590.00	.....	.....	330	660.00	224	448.00
4. Brickwork.....	1,030.00	2,060.00	.....	.....	690	1,380.00	853	1,706.00
5. Cut stone.....	350.00	700.00	.....	.....	170	340.00	291	582.00
6. Window and door frames.....	280.00	560.00	.....	.....	110	220.00	132	264.00
7. Framing.....	735.00	1,470.00	.....	.....	550	1,100.00	815	1,630.00
8. Sheet-metal work.....	147.00	294.00	.....	.....	95	190.00	448	896.00
9. Tile roof.....	250.00	500.00	.....	.....	400	800.00		
10. Sewers.....	535.00	1,070.00	.....	.....	55	110.00	557	1,114.00
11. Plumbing.....			.....	.....	475	950.00		
12. Heating.....	260.00	520.00	.....	.....	160	320.00	235	470.00
13. Plastering.....	295.00	590.00	.....	.....	330	660.00	354	708.00
14. Stucco.....	155.00	310.00	.....	.....	110	220.00	226	452.00
15. Floors.....	215.00	430.00	.....	.....	220	440.00	252	504.00
16. Porches and outside steps.....	295.00	590.00	.....	.....	220	440.00	190	380.00
17. Interior woodwork.....	450.00	900.00	.....	.....	1,300	2,600.00	1,813	1,626.00
18. Hardware.....	125.00	250.00	.....	.....	200	400.00	192	384.00
19. Glazing.....	195.00	390.00	.....	.....	55	110.00	245	490.00
20. Painting.....			.....	.....	180	360.00		
Total.....	.....	13,284.00	.....	\$12,700.00	.....	12,760.00	.....	13,014.00
<i>Dam No. 18.</i>								
1. Grading.....	260.00	520.00	.....	.....	.....	.....	150	300.00
2. Concrete foundation.....	790.00	1,580.00	.....	.....	.....	.....	520	1,040.00
3. Concrete floor and steps.....	295.00	590.00	.....	.....	.....	.....	214	428.00
4. Brickwork.....	1,075.00	2,150.00	.....	.....	.....	.....	843	1,686.00
5. Cut stone.....	365.00	730.00	.....	.....	.....	.....	304	608.00
6. Window and door frames.....	289.00	578.00	.....	.....	.....	.....	127	254.00
7. Framing.....	750.00	1,500.00	.....	.....	.....	.....	795	1,590.00
8. Sheet-metal work.....	155.00	310.00	.....	.....	.....	.....	438	876.00
9. Tile roof.....	250.00	500.00	.....	.....	.....	.....		
10. Sewers.....	550.00	1,100.00	.....	.....	.....	.....	557	1,114.00
11. Plumbing.....			.....	.....	.....	.....		
12. Heating.....	275.00	550.00	.....	.....	.....	.....	235	470.00
13. Plastering.....	300.00	600.00	.....	.....	.....	.....	344	688.00
14. Stucco.....	160.00	320.00	.....	.....	.....	.....	222	444.00
15. Floors.....	230.00	460.00	.....	.....	.....	.....	252	504.00
16. Porches and outside steps.....	310.00	620.00	.....	.....	.....	.....	188	376.00
17. Interior woodwork.....	482.00	964.00	.....	.....	.....	.....	1,813	1,626.00
18. Hardware.....	137.50	275.00	.....	.....	.....	.....	192	384.00
19. Glazing.....	195.00	390.00	.....	.....	.....	.....	245	490.00
20. Painting.....			.....	.....	.....	.....		
Total.....	.....	13,737.00	.....	12,100.00	.....	.....	.....	12,878.00
<i>Dam No. 26.</i>								
1. Grading.....	285.00	570.00	.....	.....	.....	.....	140	280.00
2. Concrete foundation.....	800.00	1,600.00	.....	.....	.....	.....	550	1,100.00
3. Concrete floor and steps.....	310.00	620.00	.....	.....	.....	.....	234	468.00
4. Brickwork.....	1,080.00	2,160.00	.....	.....	.....	.....	873	1,746.00
5. Cut stone.....	375.00	750.00	.....	.....	.....	.....	315	630.00
6. Window and door frames.....	295.00	590.00	.....	.....	.....	.....	124	248.00
7. Framing.....	775.00	1,550.00	.....	.....	.....	.....	765	1,530.00
8. Sheet-metal work.....	167.00	334.00	.....	.....	.....	.....	465	930.00
9. Tile roof.....	265.00	530.00	.....	.....	.....	.....		
10. Sewers.....	575.00	1,150.00	.....	.....	.....	.....	438	876.00
11. Plumbing.....			.....	.....	.....	.....		
12. Heating.....	290.00	580.00	.....	.....	.....	.....	240	480.00
13. Plastering.....	300.00	600.00	.....	.....	.....	.....	344	688.00
14. Stucco.....	160.00	320.00	.....	.....	.....	.....	230	460.00
15. Floors.....	245.00	490.00	.....	.....	.....	.....	247	494.00
16. Porches and outside steps.....	325.00	650.00	.....	.....	.....	.....	185	370.00
17. Interior woodwork.....	495.00	990.00	.....	.....	.....	.....	1,797	1,594.00
18. Hardware.....	137.50	275.00	.....	.....	.....	.....	192	384.00
19. Glazing.....	195.00	390.00	.....	.....	.....	.....	250	500.00
20. Painting.....			.....	.....	.....	.....		
Total.....	.....	14,149.00	.....	12,370.00	.....	.....	.....	12,778.00

<sup>1</sup> Includes item No. 19.

*Abstract of proposals for building two lockkeepers' houses at each of dams Nos. 8, 18, and 26, Ohio River, etc.—Continued.*

Items.	(1) N. C. Hamilton & Son, Wheeling, W. Va.	(2) Stephen Davidson, Parkersburg, W. Va.	(3) McHenry-Beatty Co., East Liverpool, Ohio.	(4) McMoith & Kelly & Wm. M. Thompson, Freeport, Ohio.
<i>Time for completion (calendar days).</i>				
At dam No. 8.....	151	180	180	150
At dam No. 18.....	161	180		150
At dam No. 26.....	171	180		120

Items.	(5) Daniel F. Nellis, East Liverpool, Ohio.		(6) H. Fouse & Sons, Parkersburg, W. Va.		(7) T. L. Harris, Wheeling, W. Va.		(8) Volney E. Taylor, Huntington, W. Va.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
<i>Dam No. 8.</i>								
1. Grading.....	\$99.00	\$198.00				\$200.00	\$210	\$420.00
2. Concrete foundation.....	577.50	1,155.00				2,250.00	700	1,400.00
3. Concrete floor and steps.....	93.50	187.00				650.00	300	600.00
4. Brickwork.....	663.30	1,326.60				1,630.00	900	1,800.00
5. Cut stone.....	214.50	429.00				510.00	200	400.00
6. Window and door frames.....	192.50	385.00				490.00	160	320.00
7. Framing.....	715.00	1,430.00				1,300.00	700	1,400.00
8. Sheet-metal work.....	93.50	187.00				350.00	125	250.00
9. Tile roof.....	404.80	809.60				760.00	450	900.00
10. Sewers.....	243.40	486.80				320.00	140	280.00
11. Plumbing.....	455.07	910.14				950.00	460	920.00
12. Heating.....	154.00	308.00				450.00	580	1,160.00
13. Plastering.....	264.00	528.00				724.00	400	800.00
14. Stucco.....	154.00	308.00				400.00	390	780.00
15. Floors.....	176.00	352.00				520.00	225	450.00
16. Porches and outside steps.....	165.00	330.00				560.00	200	400.00
17. Interior woodwork.....	792.00	1,584.00				1,644.00	560	1,120.00
18. Hardware.....	199.59	399.18				310.00	140	280.00
19. Glazing.....	20.00	40.00				145.60	100	200.00
20. Painting.....	149.40	298.80				278.00	125	250.00
Total.....		11,652.12		\$12,880.00		14,441.60		14,130.00
<i>Dam No. 18.</i>								
1. Grading.....							210	420.00
2. Concrete foundation.....							700	1,400.00
3. Concrete floor and steps.....							300	600.00
4. Brickwork.....							900	1,800.00
5. Cut stone.....							200	400.00
6. Window and door frames.....							160	320.00
7. Framing.....							700	1,400.00
8. Sheet-metal work.....							125	250.00
9. Tile roof.....							450	900.00
10. Sewers.....							140	280.00
11. Plumbing.....							460	920.00
12. Heating.....							580	1,160.00
13. Plastering.....							400	800.00
14. Stucco.....							390	780.00
15. Floors.....							225	450.00
16. Porches and outside steps.....							200	400.00
17. Interior woodwork.....							560	1,120.00
18. Hardware.....							140	280.00
19. Glazing.....							100	200.00
20. Painting.....							125	250.00
Total.....				12,205.14				14,130.00

*Abstract of proposals for building two lockkeepers' houses at each of dams Nos. 8, 18, and 26, Ohio River, etc.—Continued.*

Items.	(5) Daniel F. Nellis, East Liverpool, Ohio.		(6) H. Fouse & Sons, Parkersburg, W. Va.		(7) T. L. Harris, Wheeling, W. Va.		(8) Volney E. Taylor, Huntington, W. Va.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
<i>Dam No. 26.</i>								
1. Grading.....							\$200	\$400.00
2. Concrete foundation.....							690	1,380.00
3. Concrete floor and steps.....							260	520.00
4. Brickwork.....							850	1,700.00
5. Cut stone.....							190	380.00
6. Window and door frames.....							160	320.00
7. Framing.....							650	1,300.00
8. Sheet-metal work.....							120	240.00
9. Tile roof.....							450	900.00
10. Sewers.....							140	280.00
11. Plumbing.....							440	880.00
12. Heating.....							550	1,100.00
13. Plastering.....							400	800.00
14. Stucco.....							350	700.00
15. Floors.....							200	400.00
16. Porches and outside steps.....							200	400.00
17. Interior woodwork.....							550	1,100.00
18. Hardware.....							120	240.00
19. Glazing.....							100	200.00
20. Painting.....							125	250.00
Total.....				\$12,650.00				13,550.00
<i>Time for completion (calendar days).</i>								
At dam No. 8.....	150		150		150		250	
At dam No. 18.....			210				250	
At dam No. 26.....			90				230	

Items.	(9) The Finley Bros. Co., Chester, W. Va.		(10) W. Bateson & Co., Wheeling, W. Va.		(11) John T. Michel, East Liverpool Ohio.		(12) The Guy Johnston Construction Co., Toronto, Ohio.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
<i>Dam No. 8.</i>								
1. Grading.....	\$110	\$220.00	\$210	\$420.00	\$400	\$800.00	\$51.65	\$103.30
2. Concrete foundation.....	450	900.00	827	1,654.00	625	1,250.00	716.00	1,432.00
3. Concrete floor and steps.....	60	120.00	236	472.00	125	250.00	120.90	241.80
4. Brickwork.....	603	1,206.00	1,000	2,000.00	700	1,400.00	607.00	1,214.00
5. Cut stone.....	189	378.00	400	800.00	200	400.00	155.00	310.00
6. Window and door frames.....	166	332.00	160	320.00	330	660.00	248.50	497.00
7. Framing.....	831	1,662.00	630	1,260.00	900	1,800.00	622.57	1,245.14
8. Sheet-metal work.....	106	212.00	171	342.00	123	246.00	105.00	210.00
9. Tile roof.....	347	694.00	421	842.00	371	742.00	407.00	814.00
10. Sewers.....	130	260.00	150	300.00	252	504.00	197.00	394.00
11. Plumbing.....	710	1,420.00	500	1,000.00	373	746.00	427.00	854.00
12. Heating.....	140	280.00	225	450.00	165	330.00	235.00	470.00
13. Plastering.....	240	480.00	350	700.00	600	1,200.00	274.17	548.34
14. Stucco.....	140	280.00	175	350.00	250	500.00	79.20	158.40
15. Floors.....	213	426.00	360	720.00	325	650.00	154.71	309.42
16. Porches and outside steps.....	194	388.00	205	410.00	350	700.00	105.00	210.00
17. Interior woodwork.....	1,696	1,392.00	800	1,600.00	1,000	2,000.00	382.24	764.48
18. Hardware.....	132	264.00	160	320.00	150	300.00	107.00	214.00
19. Glazing.....			60	120.00	25	50.00	53.00	106.00
20. Painting.....	175	350.00	385	770.00	200	400.00	167.00	334.00
Total.....		11,264.00		14,850.00		14,928.00		10,429.88

*Abstract of proposals for building two lockkeepers' houses at each of dams Nos. 8, 18, and 26, Ohio River, etc.—Continued.*

Items.	(9) The Finley Bros Co., Chester, W. Va.		(10) W. Bateson & Co., Wheeling, W. Va.		(11) John T. Michel, East Liverpool, Ohio.		(12) The Guy Johnston Con- struction Co., Toronto, Ohio.	
	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
<i>Dam No. 18.</i>								
1. Grading.....			\$210	\$420.00				
2. Concrete foundation.....			827	1,654.00				
3. Concrete floor and steps.....			236	472.00				
4. Brickwork.....			1,074	2,148.00				
5. Cut stone.....			479	958.00				
6. Window and door frames.....			160	320.00				
7. Framing.....			630	1,260.00				
8. Sheet-metal work.....			171	342.00				
9. Tile roof.....			421	842.00				
10. Sewers.....			150	300.00				
11. Plumbing.....			500	1,000.00				
12. Heating.....			225	450.00				
13. Plastering.....			375	750.00				
14. Stucco.....			175	350.00				
15. Floors.....			360	720.00				
16. Porches and outside steps.....			205	410.00				
17. Interior woodwork.....			850	1,700.00				
18. Hardware.....			160	320.00				
19. Glazing.....			60	120.00				
20. Painting.....			429	858.00				
Total.....				15,394.00				
<i>Dam No. 26.</i>								
1. Grading.....			220	440.00				
2. Concrete foundation.....			868	1,736.00				
3. Concrete floor and steps.....			248	496.00				
4. Brickwork.....			1,128	2,256.00				
5. Cut stone.....			503	1,006.00				
6. Window and door frames.....			168	336.00				
7. Framing.....			663	1,326.00				
8. Sheet-metal work.....			180	360.00				
9. Tile roof.....			441	882.00				
10. Sewers.....			158	316.00				
11. Plumbing.....			525	1,050.00				
12. Heating.....			270	540.00				
13. Plastering.....			394	788.00				
14. Stucco.....			184	368.00				
15. Floors.....			378	756.00				
16. Porches and outside steps.....			215	430.00				
17. Interior woodwork.....			893	1,786.00				
18. Hardware.....			184	368.00				
19. Glazing.....			63	126.00				
20. Painting.....			494	988.00				
Total.....				16,354.00				
<i>Time for completion (calendar days).</i>								
At dam No. 8.....	140		130		(1)		(2)	
At dam No. 18.....			160					
At dam No. 26.....			190					

<sup>1</sup> Five months.<sup>2</sup> One hundred fair working days.

Nos. 1, 2, 3, 4, 5, 6, 7, 9, 10, 11, and 12 informal.

No. 2. Recommended for acceptance for houses for Dams Nos. 18 and 26.

Recommended that all bids for houses for Dam No. 8 be rejected.



*Abstract of proposals for furnishing and delivering white-oak timber for gates for Lock No. 8, Kanawha River, received in response to advertisement dated Nov. 29, 1909, and opened at Charleston, W. Va., Dec. 29, 1909, by Thos. E. Jeffries, assistant engineer, for Capt. F. W. Altstaetter, Corps of Engineers.*

Articles.	Quantity.	(1) G. Elias & Bro., Buffalo, N. Y.		(2) The Parkersburg Mill Co., Parkersburg, W. Va.		(3) W. M. Ritter Lumber Co., Columbus, Ohio.	
		Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
Lot A: White-oak timber....feet b. m.	41,177	\$57.50	\$2,367.67	\$65.00	\$2,676.51	\$39.00	\$1,605.90
Lot B: White-oak timber.....do....	26,529	44.00	1,167.27	40.00	1,061.16	55.00	1,459.10
Total.....			3,534.94		3,737.67		3,065.00

No. 3 accepted.

*Abstract of proposals for furnishing and delivering about 3,000 tons of run-of-mine bituminous coal for Dam No. 26, Ohio River, received in response to advertisement dated Jan. 14, 1910, and opened at Wheeling, W. Va., Jan. 24, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	Coal (3,000 tons).		Method of delivery.	Names and location of mines.
		Unit price.	Amount.		
1	The Campbell's Creek Coal Co., Cincinnati, Ohio.	\$1.75	\$5,250.00	By river.....	Campbells Creek, Putney, W. Va.
2	Hutchinson Coal Co., Fairmont, W. Va.	1.45	4,350.00	By rail.....	Linden Mine, Mason City, W. Va.

No. 1 accepted.

*Abstract of proposals for furnishing and delivering timber for Dam No. 26, Ohio River, received in response to advertisement dated Jan. 15, 1910, and opened at Wheeling, W. Va., Jan. 25, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

[Unit rates are per 1,000 feet.]

Articles.	Quantity.	(1) Hamilton Lumber Co., Pittsburg, Pa.		(2) R. G. Page Lumber Co., Huntington, W. Va.		(3) The Parkersburg Mill Co., Parkersburg, W. Va.		(4) G. Elias & Bro., Buffalo, N. Y.	
		Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
Oregon fir or yellow pine:									
16 feet long and under, feet b. m.	22,080	\$30.00	\$662.40					\$25.00	\$552.00
20 feet long and over, feet b. m.	23,040	40.00	921.60					37.50	864.00
Total.....			1,584.00						1,416.00
White oak:									
16 feet long and under, feet b. m.	4,226	31.75	134.18	\$39.00	\$164.81	\$44.00	\$185.94	35.00	147.91
20 feet long and over, feet b. m.	5,400	35.80	193.32	44.00	237.60	44.00	237.60	45.00	243.00
Total.....			327.50		402.41		423.54		390.91

No. 2 informal.

No. 4 accepted.

*Abstract of proposals for constructing pile and crib guide walls for Locks Nos. 4-11, Kanawha River, received in response to advertisement dated Jan. 25, 1910, and opened at Wheeling, W. Va., Feb. 24, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	White-oak timber (211,863 feet b. m.).		Riprap (1,500 cubic yards).		Iron and steel (34,000 pounds).		Round piling (32,900 linear feet).		Total.
		Rate.	Amount.	Rate.	Amount.	Rate.	Amount.	Rate.	Amount.	
		<i>Per M. ft.</i>								
1	G. & W. Mfg. Co., New York, N. Y.	\$90.00	\$19,067.67	\$3.00	\$4,500.00	\$0.06	\$2,040.00	\$0.60	\$19,740.00	\$45,347.67
2	E. L. Foley, St. Albans, W. Va.	44.00	9,321.97	3.50	5,250.00	.06	2,040.00	.50	16,450.00	33,061.97
3	The Ohio River Contract Co., Evansville, Ind.	50.00	10,593.15	3.00	4,500.00	.05	1,700.00	.45	14,805.00	31,598.15
4	M. F. Leonard, John V. Dale, C. R. Niday, Gallipolis, Ohio.	50.00	10,593.15	3.00	4,500.00	.04	1,360.00	.40	13,160.00	29,613.15
5	Pfaff & Smith, Charleston, W. Va.	55.00	11,652.47	2.00	3,000.00	.08	2,720.00	.50	16,450.00	33,822.47
6	Clifton Bros., Zanesville, Ohio.	38.00	8,050.79	2.00	3,000.00	.06	2,040.00	.39	12,831.00	25,921.79

Nos. 1, 3, and 6 informal.

No. 6 recommended for acceptance.

*Abstract of proposals for furnishing and delivering structural steel, forgings, steel and iron castings, bolts, etc., for Dam No. 26, Ohio River, received in response to advertisement dated Feb. 2, 1910, and opened at Wheeling, W. Va., Feb. 17, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	Lot A.				Total.
		Structural steel (168,400 pounds).		Steel castings (11,300 pounds).		
		Unit price.	Amount.	Unit price.	Amount.	
1	Hoisting Machinery Co., New York, N. Y.....	\$0.0574	\$9,666.16	\$0.1124	\$1,270.12	\$10,936.28
2	Brooklyn Foundry Co., New Martinsville, W. Va.....					
3	New Jersey Foundry & Machine Co., New York, N. Y.....	.0395	6,651.80	.0725	819.25	7,471.05
4	Chas. Hegewald Co., New Albany, Ind.....	.04499	7,576.32	.07749	875.63	8,451.95
5	American Bridge Co. of New York, Pittsburg, Pa.....	.034	5,725.60	.034	384.20	6,109.80
6	Penn Bridge Co., Beaver Falls, Pa.....	.0398	6,702.32	.112	1,265.60	7,967.92
7	The Aetna Foundry & Machine Co., Warren, Ohio.....	.0345	5,809.80	.0675	762.75	6,572.55
8	Centre Foundry & Machine Co., Wheeling, W. Va.....					
9	James H. Beans, Martins Ferry, Ohio.....					
10	Independent Bridge Co., Pittsburg, Pa.....	.0415	6,988.60	.0415	468.95	7,457.55
11	Gillespie Manufacturing Co., Pittsburg, Pa.....					
12	J. & J. B. Milholland Co., Pittsburg, Pa.....	.0397	6,685.48	.0625	706.25	7,391.73

*Abstract of proposals for furnishing and delivering structural steel, forgings, steel and iron castings, bolts, etc., for Dam No. 26, Ohio River, etc.—Continued.*

No.	Names and addresses of bidders.	Lot B: Forgings (133,100 pounds).		Lot C: Steel castings (26,000 pounds).		Lot D: Iron castings (48,500 pounds).		Lot E: Bolts, etc. (19,500 pounds).	
		Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
1	Hoisting Machinery Co., New York, N. Y.	\$0.1089	\$14,494.59	\$0.1223	\$3,179.80	\$0.034	\$1,649.00	\$0.06	\$1,170.00
2	Brooklyn Foundry Co., New Martinsville, W. Va.					.04	1,940.00		
3	New Jersey Foundry & Machine Co., New York, N. Y.	.0855	11,380.05	.0684	1,778.40	.0456	2,211.60	.057	1,111.50
4	Chas. Hegewald Co., New Albany, Ind.	.05249	6,986.42	.07749	2,014.74	.02499	1,212.02	.04249	828.56
5	American Bridge Co. of New York, Pittsburgh, Pa.	.0475	6,322.25	.0625	1,625.00	.0325	1,576.25	.0335	653.25
6	Penn Bridge Co., Beaver Falls, Pa.	.08	10,648.00	.114	2,964.00	.034	1,649.00	.039	760.50
7	The Aetna Foundry & Machine Co., Warren, Ohio.			.0875	2,275.00	.0234	1,134.90		
8	Centre Foundry & Machine Co., Wheeling, W. Va.					.0215	1,042.75		
9	James H. Beans, Martins Ferry, Ohio.					.02125	1,030.63		
10	Independent Bridge Co., Pittsburgh, Pa.	.0618	8,225.58	.08	2,080.00	.034	1,649.00	.0305	594.75
11	Gillespie Manufacturing Co., Pittsburgh, Pa.			.0975	2,535.00	.035	1,697.50		
12	J. & J. B. Milholland Co., Pittsburgh, Pa.	.052	6,921.20	.065	1,690.00	.025	1,212.50	.0325	633.75

Nos. 1, 2, 3, 5, 6, 7, 8, 11, and 12 informal.

No. 5 recommended for acceptance of Lots A, B, and C.

No. 9 recommended for acceptance of Lot D.

No. 10 recommended for acceptance of Lot E.

*Abstract of proposals for furnishing and delivering timber for Dam No. 26, Ohio River, received in response to advertisement dated Feb. 5, 1910, and opened at Wheeling, W. Va., Feb. 15, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

Articles.	Quantity.	(1) The Hamilton Lumber Co., Pittsburg, Pa.		(2) Crescent Lumber Co., Pittsburg, Pa.				(3) G. Elias & Bro., Buffalo, N. Y.	
		Unit price.	Amount.	Oregon fir.		Yellow pine.		Oregon fir.	
				Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
Lot A, Oregon fir or yellow-pine:									
18 feet long and under, ft. b. m.	13,300	\$26.00	\$345.80	\$42.00	\$558.60	\$28.00	\$372.40	\$44.00	\$585.20
20 feet long and over, ft. b. m.	30,571	39.00	1,192.27	48.50	1,482.69	42.50	1,299.27	49.00	1,497.98
Total.....			1,538.07		2,041.29		1,671.67		2,083.18
Lot B, white-oak:									
16 feet long and under, ft. b. m.	5,615	32.00	179.68					35.00	196.52
20 feet long and over, ft. b. m.	1,820	45.00	81.90					65.00	118.30
Total.....			261.58						314.82
Delivery to be commenced (in days).....		30							<sup>1</sup> 60 <sup>2</sup> 90
Delivery to be completed (in days).....		45		56		35			<sup>1</sup> 75 <sup>2</sup> 120

<sup>1</sup> Oak.

<sup>2</sup> Fir.

No. 2 informal.

No. 1 accepted for both lots.

*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, received in response to advertisement dated Feb. 7, 1910, and opened at Wheeling, W. Va., Mar. 9, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

	Quantity.	(1) The Westinghouse Machine Co., Pittsburgh, Pa.		(2) The Bury Compressor Co., Erie, Pa.	
		Rate.	Amount.	Rate.	Amount.
DAM No. 8.					
Lot B.					
Gas engines.....number..	2	\$4,803.25	\$9,606.50		
Gas engine accessories.....			317.50		
The hourly consumption of natural gas not to exceed British thermal units:					
At full speed without load.....		350,000			
Per brake horsepower at half load.....		13,500			
Per brake horsepower at three-quarter load.....		11,500			
Per brake horsepower at full load.....		10,500			
			9,924.00		
Lot C.					
Air compressors.....number..	2			\$2,000	\$4,000.00
Maximum belt horsepower:					
Required at full speed unloaded.....				15.0	
Per 100 cubic feet of free air required when compressing to 50 pounds per square inch.....				13.6	
Per 100 cubic feet of free air required when compressing to 100 pounds per square inch.....				17.8	
					4,000.00
Lot D.					
Air receivers.....number..	2			\$380	760.00
DAM No. 11.					
Lot B.					
Gas engines.....number..	2	4,803.25	9,606.50		
Gas-engine accessories.....			317.50		
The hourly consumption of gas not to exceed British thermal units:					
At full speed without load.....		350,000			
Per brake horsepower at half load.....		13,500			
Per brake horsepower at three-quarter load.....		11,500			
Per brake horsepower at full load.....		10,500			
			9,924.00		
Lot C.					
Air compressors.....number..	2			2,000	4,000.00
Maximum belt horsepower:					
Required at full speed unloaded.....				15.0	
Per 100 cubic feet of free air required when compressing to 50 pounds per square inch.....				13.6	
Per 100 cubic feet of free air required when compressing to 100 pounds per square inch.....				17.8	
					4,000.00
Lot D.					
Air receivers.....number..	2			\$380	760.00

*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

	Quantity.	(3) Ingersoll-Rand Co., New York, N. Y.	(4) McHenry-Beatty Co., East Liver- pool, Ohio.		
		Rate.	Amount.	Rate.	Amount.
DAM No. 8.					
Lot A.					
Grading.....					\$400.00
Concrete.....					2,800.00
Concrete floor.....					340.00
Reenforced floors and steps.....					3,600.00
Reenforced floor for engine room.....					200.00
Brick floor.....					300.00
Brickwork.....					9,900.00
Cut stone.....					1,900.00
Window and door frames.....					600.00
Structural steel.....pounds..	125,000		\$0.03½		4,062.50
Structural steel for engine-room floor.....do....	10,000		.03½		325.00
Architectural iron.....					1,300.00
Sheet-metal work.....					300.00
Tile roof.....					800.00
Plastering.....					600.00
Plumbing.....					1,200.00
Plumbing fixtures.....					500.00
Hardware.....					300.00
Interior woodwork.....					1,300.00
Glazing.....					300.00
Painting.....					509.00
Extra grading.....					1.20
Extra concrete.....					10.00
					31,547.70
Lot C.					
Air compressors.....number..	2	\$2,111	\$4,222.00		
Compressor accessories.....			658.00		
Maximum belt horsepower:					
Required at full speed unloaded.....		23.0			
Per 100 cubic feet of free air required when compressing to 50 pounds per square inch.....		12.5			
Per 100 cubic feet of free air required when compressing to 100 pounds per square inch.....		17.7			
			4,880.00		
Lot D.					
Air receivers.....number..	2	387	774.00		
DAM No. 11.					
Lot A.					
Grading.....					400.00
Concrete.....					2,800.00
Concrete floors.....					340.00
Reenforced floors and steps.....					3,600.00
Reenforced floor for engine room.....					200.00
Brick floors.....					300.00
Brickwork.....					10,460.00
Cut stone.....					1,900.00
Window and door frames.....					600.00
Structural steel.....pounds..	125,000		.03½		4,062.50
Structural steel for engine-room floor.....do....	10,000		.03½		325.00
Architectural iron.....					1,300.00
Sheet-metal work.....					300.00
Tile roof.....					800.00
Plastering.....					600.00
Plumbing.....					1,200.00
Plumbing fixtures.....					500.00
Hardware.....					300.00
Interior woodwork.....					1,300.00
Glazing.....					300.00
Painting.....					509.00
Extra grading.....					1.20
Extra concrete.....					10.00
					32,107.70

*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

		Quantity.	(3) Ingersoll-Rand Co., New York, N. Y.		(4) McHenry-Beatty Co., East Liver- pool, Ohio.	
			Rate.	Amount.	Rate.	Amount.
DAM No. 11—Continued.						
Lot C.						
Air compressors.....number..	2	\$2,111	\$4,222.00			
Compressor accessories.....			658.00			
Maximum belt horsepower:						
Required at full speed unloaded.....		23.0				
Per 100 cubic feet of free air required when compressing to 50 pounds per square inch.....		12.5				
Per 100 cubic feet of free air required when compressing to 100 pounds per square inch.....		17.7				
			4,880.00			
Lot D.						
Air receivers.....number..	2	387	774.00			

		Quantity.	(5) Gee Electric Con- struction Co., Wheeling, W. Va.		(6) The Guy Johnston Contracting Co., Toronto, Ohio.	
			Rate.	Amount.	Rate.	Amount.
DAM No. 8.						
Lot A.						
Grading.....					\$535.00	
Concrete.....					3,962.00	
Concrete floor.....					307.00	
Reenforced floors and steps.....					3,314.00	
Reenforced floor for engine-room.....					534.00	
Brick floor.....					178.00	
Brickwork.....					7,920.00	
Cut stone.....					1,291.00	
Window and door frames.....					1,473.00	
Structural steel.....pounds.....	125,000		\$0.045		5,625.00	
Structural steel for engine-room floor.....do.....	10,000		0.04		400.00	
Architectural iron.....					1,387.00	
Sheet-metal work.....					275.00	
Tile roof.....					1,000.00	
Plastering.....					600.00	
Plumbing.....					1,525.00	
Plumbing fixtures.....					675.00	
Hardware.....					528.00	
Interior woodwork.....					387.00	
Glazing.....					200.00	
Painting.....					447.00	
Extra grading.....					.70	
Extra concrete.....					9.00	
					32,572.70	
Lot B.						
Gas engines.....number..	2	\$3,315	\$6,630.00			
Gas-engine accessories.....			1,422.00			
The hourly consumption of natural gas not to exceed British thermal units:						
At full speed without load.....		350,000				
Per brake horsepower at half load.....		13,500				
Per brake horsepower at three-quarter load.....		11,500				
Per brake horsepower at full load.....		10,500				
			8,052.00			



*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

	Quantity.	(5) Gee Electric Construction Co., Wheeling, W. Va.		(6) The Guy Johnston Contracting Co., Toronto, Ohio.	
		Rate.	Amount.	Rate.	Amount.
DAM No. 11.					
Lot A.					
Grading.....					\$535.00
Concrete.....					3,962.00
Concrete floors.....					307.00
Reenforced floors and steps.....					3,314.00
Reenforced floor for engine-room.....					534.00
Brick floors.....					178.00
Brickwork.....					7,920.00
Cut stone.....					1,291.00
Window and door frames.....					1,473.00
Structural steel..... pounds.....	125,000			\$0.045	5,625.00
Structural steel for engine-room floor..... do.....	10,000			.04	400.00
Architectural iron.....					1,387.00
Sheet-metal work.....					275.00
Tile roof.....					1,000.00
Plastering.....					600.00
Plumbing.....					1,525.00
Plumbing fixtures.....					675.00
Hardware.....					528.00
Interior woodwork.....					387.00
Glazing.....					200.00
Painting.....					447.00
Extra grading.....					.70
Extra concrete.....					9.00
					32,572.70
Lot B.					
Gas engines..... number.....	2	\$3,315	\$6,630.00		
Gas-engine accessories.....			1,422.00		
The hourly consumption of gas not to exceed British thermal units:					
At full speed without load.....		350,000			
Per brake horsepower at half load.....		13,500			
Per brake horsepower at three-quarter load.....		11,500			
Per brake horsepower at full load.....		10,500			
			8,052.00		

	Quantity.	(7) Daniel F. Nellis, E a s t Liverpool, Ohio.	(8) James J. Walker Co., Pittsburg, Pa.		
		Rate.	Amount.	Rate.	Amount.
DAM NO. 8.					
Lot A.					
Grading.....			\$264.00		
Concrete.....			4,015.00		
Concrete floor.....			165.00		
Reenforced floors and steps.....			4,105.00		
Reenforced floor for engine-room.....			519.20		
Brick floor.....			220.00		
Brickwork.....			7,920.00		
Cut stone.....			1,215.00		
Window and door frames.....			1,375.00		
Structural steel..... pounds.....	125,000	\$0.04½	5,625.00		
Structural steel for engine-room floor..... do.....	10,000	.03½	350.00		
Architectural iron.....			1,375.00		
Sheet-metal work.....			264.00		
Tile roof.....			946.00		
Plastering.....			506.00		
Plumbing.....			1,457.50		
Plumbing fixtures.....			742.50		
Hardware.....			330.00		
Interior woodwork.....			1,650.00		
Painting.....			433.40		
Extra grading.....			.75		
Extra concrete.....			8.00		
			33,486.35		

*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

	Quantity.	(7) Daniel F. Nellis, E a s t Liverpool, Ohio.		(8) James J. Walker Co., Pittsburg, Pa.	
		Rate.	Amount.	Rate.	Amount.
DAM NO. 8—Continued.					
Lot C.					
Air compressors.....number..	2			\$2,147	\$4,294.00
Compressor accessories.....					554.
Maximum belt horsepower:					
Required at full speed unloaded.....				23.0	
Per 100 cubic feet of free air required when compressing to 50 pounds per square inch.....				12.5	
Per 100 cubic feet of free air required when compressing to 100 pounds per square inch.....				17.7	
					4,848.00
Lot D.					
Air receivers.....number..	2			426	852.00
Lot E.					
Pipe:					
1-inch.....linear feet..	650		0.36		234.00
2-inch.....do.....	1,200		0.66		792.00
4-inch.....do.....	800		1.48		1,184.00
6-inch.....do.....	230		2.80		644.00
Drip pockets.....number..	2		12.60		25.20
Standard screw fittings.....Crane's list price..	\$15		64 p. ct.		9.60
Extra heavy screw fittings.....do.....	\$25		68 p. ct.		17.00
Unions.....Lunkenheimer's list price..	\$100		68 p. ct.		68.00
Standard flange fittings.....Crane's list price..	\$425		52 p. ct.		221.00
Extra heavy flanged fittings.....do.....	\$415		60 p. ct.		249.00
Brass valves.....Lunkenheimer's list price..	\$130		70 p. ct.		93.60
Cocks.....do.....	\$100		60 p. ct.		60.00
Standard iron-body valves.....do.....	\$175		62 p. ct.		108.50
Pop safety valves.....do.....	\$75		46 p. ct.		34.50
Pressure gages.....do.....	\$55		55 p. ct.		30.25
Heavy iron-body valves.....do.....	\$340		64 p. ct.		217.60
Floor stands.....Crane's list price..	\$140		68 p. ct.		95.20
Specialties, net cost.....	\$100		120 p. ct.		120.00
					4,203.45
DAM NO. 11.					
Lot C.					
Air compressors.....number..	2			\$2,147	4,294.00
Compressor accessories.....					554.00
					4,848.00
Lot D.					
Air receivers.....number..	2			.426	852.00
Lot E.					
Pipe:					
1-inch.....linear feet..	650		0.36		234.00
2-inch.....do.....	1,200		2.66		792.00
4-inch.....do.....	800		1.48		1,184.00
6-inch.....do.....	230		2.80		644.00
Drip pockets.....number..	2		12.60		25.20
Standard screw fittings.....Crane's list price..	\$15		64 p. ct.		9.60
Extra heavy screw fittings.....do.....	\$25		68 p. ct.		17.00
Unions.....Lunkenheimer's list price..	\$100		68 p. ct.		68.00
Standard flanged fittings.....Crane's list price..	\$425		60 p. ct.		221.00
Extra heavy flanged fittings.....do.....	\$415		60 p. ct.		249.00
Cocks.....Lunkenheimer's list price..	\$100		60 p. ct.		60.00
Brass valves.....do.....	\$130		72 p. ct.		93.60
Pop safety valves.....do.....	\$75		46 p. ct.		34.50
Pressure gages.....do.....	\$55		55 p. ct.		30.25
Standard iron-body valves.....do.....	\$175		62 p. ct.		108.50
Heavy iron-body valves.....do.....	\$340		64 p. ct.		217.60
Floor stands.....Crane's list price..	\$160		68 p. ct.		95.20
Specialties, net cost.....	\$100		120 p. ct.		120.00
					4,203.45

*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

	Quantity.	(9) Hile & Higgs, Parkersburg, W. Va.		(10) Reinforced Concrete Construction Co., Pittsburg, Pa.	
		Rate.	Amount.	Rate.	Amount.
DAM No. 8					
Lot A.					
Grading.....			\$250.00		\$394.00
Concrete.....			2,000.00		3,450.00
Concrete floor.....			178.00		194.00
Reenforced floors and steps.....			2,196.00		3,350.00
Reenforced floor for engine-room.....			728.00		410.00
Brick floor.....			268.00		335.00
Brickwork.....			6,632.00		11,880.00
Cut stone.....			1,922.00		1,642.00
Window and door frames.....			887.00		1,116.00
Structural steel..... pounds.....	125,000	\$0.03½	4,375.00	\$0.051	6,375.00
Structural steel for engine-room floor....do....	10,000	.03½	350.00	.05	500.00
Architectural iron.....			1,133.00		1,670.00
Sheet-metal work.....			605.00		354.00
Tile roof.....			1,595.00		1,055.00
Plastering.....			755.00		840.00
Plumbing.....			1,600.00		1,224.00
Plumbing fixtures.....			300.00		741.00
Hardware.....			250.00		370.00
Interior woodwork.....			808.00		3,600.00
Glazing.....			192.00		264.00
Painting.....			495.00		930.00
Extra grading.....			.50		1.80
Extra concrete.....			5.00		8.50
			27,524.50		40,704.30
DAM No. 11.					
Lot A					
Grading.....			250.00		394.00
Concrete.....			2,000.00		3,450.00
Concrete floors.....			178.00		204.00
Reinforced floors and steps.....			2,196.00		3,424.00
Reinforced floor for engine room.....			728.00		420.00
Brick floors.....			268.00		335.00
Brickwork.....			6,632.00		11,950.00
Cut stone.....			1,922.00		1,642.00
Window and door frames.....			887.00		1,116.00
Structural steel..... pounds.....	125,000	.035	4,375.00	.051	6,375.00
Structural steel for engine-room floor....do....	10,000	.035	350.00	.05	500.00
Architectural iron.....			1,133.00		1,670.00
Sheet-metal work.....			605.00		354.00
Tile roof.....			1,595.00		1,055.00
Plastering.....			755.00		840.00
Plumbing.....			1,600.00		1,224.00
Plumbing fixtures.....			300.00		741.00
Hardware.....			250.00		370.00
Interior woodwork.....			808.00		3,600.00
Glazing.....			192.00		264.00
Painting.....			495.00		930.00
Extra grading.....			.50		1.80
Extra concrete.....			5.00		8.50
			27,524.50		40,868.30

*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

	Quantity.	(11) W. Bateson & Co., Wheeling, W. Va.		(12) G. & W. Manufacturing Co., New York, N. Y.	
		Rate.	Amount.	Rate.	Amount.
DAM NO. 8.					
Lot A.					
Grading.....			\$366. 00		\$260. 00
Concrete.....			2,340. 12		3,000. 00
Concrete floor.....			253. 68		130. 00
Reinforced floors and steps.....			3,478. 65		2,600. 00
Reinforced floor for engine-room.....			359. 63		260. 00
Brick floor.....			252. 00		200. 00
Brickwork.....			8,723. 09		7,800. 00
Cut stone.....			1,475. 78		1,560. 00
Window and door frames.....			539. 70		520. 00
Structural steel..... pounds..	125,000	\$0. 03½	4,375. 00	\$0. 0448	5,600. 00
Structural steel for engine-room floor..... do....	10,000	. 03	300. 00	. 045	450. 00
Architectural iron.....			1,260. 00		1,170. 00
Sheet-metal work.....			235. 20		390. 00
Tile roof.....			898. 80		1,040. 00
Plastering.....			1,290. 45		650. 00
Plumbing.....			1,391. 25		1,500. 00
Plumbing fixtures.....			708. 75		320. 00
Hardware.....			323. 40		390. 00
Interior woodwork.....			1,367. 10		1,300. 00
Glazing.....			222. 60		130. 00
Painting.....			680. 40		520. 00
Extra grading.....			1. 00		1. 45
Extra concrete.....			8. 50		10. 90
			30,821. 10		29,802. 35
Lot B.					
Gas engines..... number..	2			3,490	6,980. 00
Gas-engine accessories.....					587. 00
The hourly consumption of natural gas not to exceed British thermal units:					
At full speed without load.....				350,000	
Per brake horsepower at half load.....				13,500	
Per brake horsepower at three-quarter load.....				11,500	
Per brake horsepower at full load.....				10,500	
					7,567. 00
Lot C.					
Air compressors..... number..	2			1,735	3,470. 00
Compressor accessories.....					200. 00
Maximum belt horsepower:					
Required at full speed unloaded.....				23. 0	
Per 100 cubic feet of free air required when compressing to 50 pounds per square inch.....				12. 5	
Per 100 cubic feet of free air required when compressing to 100 pounds per square inch.....				17. 7	
					3,670. 00
Lot D.					
Air receivers..... number..	2			423	846. 00
Lot E.					
Pipe:					
¾-inch..... linear feet..	650		. 40		260. 00
2-inch..... do.....	1,200		. 50		600. 00
4-inch..... do.....	800		1. 25		1,000. 00
6-inch..... do.....	230		2. 50		575. 00
Drip pockets..... number..	2		12. 00		24. 00
Standard screw fittings..... Crane's list price..	\$15		65 p. ct.		9. 75
Extra heavy screw fittings..... do.....	\$25		75 p. ct.		18. 75
Unions..... Lunkenheimer's list price.....	\$100		90 p. ct.		90. 00
Standard flanged fittings..... Crane's list price..	\$425		60 p. ct.		255. 00
Extra heavy flanged fittings..... do.....	\$415		65 p. ct.		269. 75
Brass valves..... Lunkenheimer's list price.....	\$130		105 p. ct.		136. 50
Cocks..... do.....	\$100		100 p. ct.		100. 00
Standard iron-body valves..... do.....	\$175		75 p. ct.		131. 25
Pop safety valves..... do.....	\$75		70 p. ct.		52. 50
Pressure gages..... do.....	\$55		100 p. ct.		55. 00
Heavy iron-body valves..... do.....	\$340		90 p. ct.		306. 00
Floor stands..... Crane's list price.....	\$140		75 p. ct.		105. 00
Specialties, net cost.....	\$100		125 p. ct.		125. 00
					4,113. 50

*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

	Quantity.	(11) W. Bateson & Co., Wheeling, W. Va.		(12) G. & W. Manufacturing Co., New York, N. Y.	
		Rate.	Amount.	Rate.	Amount.
DAM NO. 8—Continued.					
Lot F.					
Well.....number.....	1				\$800.00
Well pump.....do.....	1				620.00
Maximum cubic feet of free air per minute required when pumping 100 gallons of water per minute.....				\$500	
					1,420.00
Lot G.					
Well.....number.....	1				800.00
Air lift.....do.....	1				620.00
Maximum cubic feet of free air per minute required when pumping 100 gallons of water per minute.....				500	
					1,420.00
DAM NO. 11.					
Lot A.					
Grading.....			\$320.00		260.00
Concrete.....			2,228.69		3,000.00
Concrete floors.....			241.60		130.00
Reenforced floors and steps.....			3,313.00		2,600.00
Reenforced floor for engine-room.....			342.50		260.00
Brick floors.....			240.00		200.00
Brickwork.....			8,307.70		7,800.00
Cut stone.....			1,405.50		1,560.00
Window and door frames.....			514.00		520.00
Structural steel.....pounds.....	125,000	\$0.035	4,573.00	\$0.0448	5,600.00
Structural steel for engine-room floor.....do.....	10,000	.03	300.00	.045	450.00
Architectural iron.....			1,200.00		1,170.00
Sheet-metal work.....			224.00		390.00
Tile roof.....			856.00		1,040.00
Plastering.....			1,229.00		650.00
Plumbing.....			1,325.00		1,500.00
Plumbing fixtures.....			675.00		320.00
Hardware.....			308.00		390.00
Interior woodwork.....			1,302.00		1,300.00
Glazing.....			212.00		130.00
Painting.....			648.00		520.00
Extra grading.....			1.00		1.45
Extra concrete.....			8.50		10.90
			29,576.49		29,802.35
Lot B.					
Gas engines.....number.....	2			3,490	6,980.00
Gas-engine accessories.....					587.00
The hourly consumption of gas not to exceed British thermal units:					
At full speed without load.....				350,000	
Per brake horsepower at half load.....				13,500	
Per brake horsepower at three-quarter load.....				11,500	
Per brake horsepower at full load.....				10,500	
					7,567.00
Lot C.					
Air compressors.....number.....	2			1,735	3,470.00
Compressor accessories.....					200.00
Maximum belt horsepower:					
Required at full speed unloaded.....				23	
Per 100 cubic feet of free air required when compressing to 50 pounds per square inch.....				12.5	
Per 100 cubic feet of free air required when compressing to 100 pounds per square inch.....				17.7	
					3,670.00

*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

	Quantity.	(11) W. Bateson & Co., Wheeling, W. Va.		(12) G. & W. Manufacturing Co., New York, N. Y.	
		Rate.	Amount.	Rate.	Amount.
DAM No. 11—Continued.					
Lot D.					
Air receivers.....number..	2			\$423	\$846.00
Lot E.					
Pipe:					
3-inch.....linear feet..	650			.40	260.00
2-inch.....do.....	1,200			.50	600.00
4-inch.....do.....	800			1.25	1,000.00
6-inch.....do.....	230			2.50	575.00
Drip pockets.....number..	2			12.00	24.00
Standard screw fittings.....Crane's list price..	\$15			65 p.ct.	9.75
Extra heavy screw fittings.....do.....	\$25			75 p.ct.	18.75
Unions.....Lunkenheimer's list price.....	\$100			90 p.ct.	90.00
Standard flanged fittings.....Crane's list price..	\$425			60 p.ct.	255.00
Extra heavy flanged fittings.....do.....	\$415			65 p.ct.	269.75
Cocks.....Lunkenheimer's list price.....	\$100			100 p.ct.	100.00
Brass valves.....do.....	\$130			105 p.ct.	136.50
Pop safety valves.....do.....	\$75			70 p.ct.	52.50
Pressure gages.....do.....	\$55			100 p.ct.	55.00
Standard iron-body valves.....do.....	\$175			75 p.ct.	131.25
Heavy iron-body valves.....do.....	\$340			90 p.ct.	306.00
Floor stands.....Crane's list price.....	\$140			75 p.ct.	105.00
Specialties, net cost.....	\$100			125 p.ct.	125.00
					4,113.50
Lot F.					
Well.....number.....	1				800.00
Well pump.....do.....	1				620.00
Maximum cubic feet of free air per minute required when pumping 100 gallons of water per minute.....				500	
					1,420.00
Lot G.					
Well.....number.....	1				800.00
Air lift.....do.....	1				620.00
Maximum cubic feet of free air per minute required when pumping 100 gallons of water per minute.....				500	
					1,420.00



*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

	Quantity.	(13) Dudley & Edie, Wheeling, W. Va.	(14) Sheffield Gas Power Co., Kansas City, Mo.		
		Rate.	Amount.	Rate.	Amount.
DAM NO. 8.					
Lot A.					
Grading.....			\$237.00		
Concrete.....			4,200.00		
Concrete floor.....					
Reinforced floors and steps.....					
Reinforced floor for engine-room.....					
Brick floor.....			150.00		
Brickwork.....			8,099.00		
Cut stone.....			1,588.00		
Window and door frames.....					
Structural steel..... pounds.....	125,000		5,439.00		
Structural steel for engine-room floor..... do.....	10,000				
Architectural iron.....			1,202.00		
Sheet-metal work.....			1,184.00		
Tile roof.....			1,050.00		
Plastering.....					
Plumbing.....					
Plumbing fixtures.....			2,100.00		
Hardware.....					
Interior woodwork.....			2,972.00		
Glazing.....			903.00		
Painting.....					
Extra grading.....				.60	
Extra concrete.....			6.50		
			29,131.10		
Lot B.					
Gas engines..... number.....	2		\$4,790	\$9,580.00	
Gas-engine accessories.....				1,225.00	
The hourly consumption of natural gas not to exceed British thermal units:					
At full speed without load.....			428,000		
Per brake horsepower at half load.....			13,500		
Per brake horsepower at three-quarter load.....			12,000		
Per brake horsepower at full load.....			11,000		
					10,805.00
DAM NO. 11.					
Lot B.					
Gas engines..... number.....	2		\$4,790	9,580.00	
Gas-engine accessories.....				1,225.00	
The hourly consumption of gas not to exceed British thermal units:					
At full speed without load.....			428,000		
Per brake horsepower at half load.....			13,000		
Per brake horsepower at three-quarter load.....			12,000		
Per brake horsepower at full load.....			11,000		
					10,805.00

*Abstract of proposals for building fireproof powerhouse, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

	Quantity.	(15) James Kinney, jr., Bellaire, Ohio.	(16) National Meter Co., New York, N. Y.		
		Rate.	Amount.	Rate.	Amount.
DAM No. 8.					
Lot B.					
Gas engines.....number.....	2			\$3,487.50	\$6,975.00
Gas-engine accessories.....					975.00
The hourly consumption of natural gas not to exceed British thermal units:					
At full speed without load.....				315,000	
Per brake horsepower at half load.....				13,500	
Per brake horsepower at three-quarter load.....				11,500	
Per brake horsepower at full load.....				10,500	
					7,950.00
Lot G.					
Well.....number.....	1		\$800.00		
Air lift.....do.....	1		265.00		
Maximum cubic feet of free air per minute required when pumping 100 gallons of water per minute.....		(1)			
			1,065.00		
DAM No. 11.					
Lot B.					
Gas engines.....number.....	2			3,487.50	6,975.00
Gas-engine accessories.....					975.00
The hourly consumption of gas not to exceed British thermal units:					
At full speed without load.....				315,000	
Per brake horsepower at half load.....				13,500	
Per brake horsepower at three-quarter load.....				11,500	
Per brake horsepower at full load.....				10,500	
					7,950.00
Lot G.					
Well.....number.....	1		786.00		
Air lift.....do.....	1		260.00		
Maximum cubic feet of free air per minute required when pumping 100 gallons of water per minute.....		(1)			
			1,046.00		

<sup>1</sup> 58 feet lift.

*Abstract of proposals for building fireproof power house, installing machinery, and drilling wells at each of Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

	Quantity.	(17) Pittsburgh Valve, Foundry & Con- struction Co., Pittsburg, Pa.		(18) Edward Christ- man, Massillon, Ohio.	
		Rate.	Amount.	Rate.	Amount.
DAM No. 8.					
Lot D.					
Air receivers.....number..	2	\$550	\$1,100.00		
Lot E.					
Pipe:					
1/2-inch.....linear feet..	650	.42	\$273.00		
2-inch.....do.....	1,200	.72	864.00		
4-inch.....do.....	800	1.92	1,536.00		
6-inch.....do.....	230	3.20	736.00		
Drip pockets.....number..	2	13.50	27.00		
Standard screw fittings.....Crane's list price..	\$15	60 p. ct.	9.00		
Extra heavy screw fittings.....do.....	\$25	60 p. ct.	15.00		
Unions.....Lunkenheimer's list price.....	\$100	95 p. ct.	95.00		
Standard flanged fittings.....Crane's list price..	\$425	50 p. ct.	212.50		
Extra heavy flanged fittings.....do.....	\$415	50 p. ct.	207.50		
Brass valves.....Lunkenheimer's list price.....	\$130	100 p. ct.	130.00		
Cocks.....do.....	\$100	80 p. ct.	80.00		
Standard iron-body valves.....do.....	\$175	90 p. ct.	157.50		
Pop safety valves.....do.....	\$95	65 p. ct.	48.75		
Pressure gages.....do.....	\$55	65 p. ct.	35.75		
Heavy iron-body valves.....do.....	\$340	90 p. ct.	306.00		
Floor stands.....Crane's list price.....	\$140	90 p. ct.	126.00		
Specialties, net cost.....	\$100	135 p. ct.	135.00		
			4,994.00		
Lot F.					
Well.....number..	1				\$814.00
Well pump.....do.....	1				597.00
					1,411.00
Lot G.					
Well.....number..	1				1,130.00
Air lift.....do.....	1				360.00
					1,490.00
DAM No. 11.					
Lot D.					
Air receivers.....number..	2	\$550	1,100.00		
Lot E.					
Pipe:					
3-inch.....linear feet..	650	.42	273.00		
2-inch.....do.....	1,200	.72	864.00		
4-inch.....do.....	800	1.92	1,536.00		
6-inch.....do.....	230	3.20	736.00		
Drip pockets.....number..	2	13.50	27.00		
Standard screw fittings.....Crane's list price..	\$15	60 p. ct.	9.00		
Extra heavy screw fittings.....do.....	\$25	60 p. ct.	15.00		
Unions.....Lunkenheimer's list price.....	\$100	95 p. ct.	95.00		
Standard flanged fittings.....Crane's list price..	\$425	50 p. ct.	212.50		
Extra heavy flanged fittings.....do.....	\$415	50 p. ct.	207.50		
Cocks.....Lunkenheimer's list price.....	\$100	80 p. ct.	80.00		
Brass valves.....do.....	\$130	100 p. ct.	130.00		
Pop safety valves.....do.....	\$75	65 p. ct.	48.75		
Pressure gages.....do.....	\$55	65 p. ct.	35.75		
Standard iron-body valves.....do.....	\$175	90 p. ct.	157.50		
Heavy iron-body valves.....do.....	\$340	90 p. ct.	306.00		
Floor stands.....Crane's list price.....	\$140	90 p. ct.	126.00		
Specialties, net cost.....	\$100	135 p. ct.	135.00		
			4,994.00		
Lot F.					
Well.....number..	1				\$20.00
Well pump.....do.....	1				597.00
					1,417.00
Lot G.					
Well.....number..	1				1,120.00
Air lift.....do.....	1				380.00
					1,500.00

No. 3. Recommended for acceptance of Lot D for both dams.

No. 5. Recommended for acceptance of Lot B for both dams.

No. 8. Recommended for acceptance of Lots C and E for both dams.

No. 9. Recommended for acceptance of lot A for both dams.

No. 15. Recommended for acceptance of Lot G for both dams.

Nos. 1, 2, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, and 18, informal.

*Abstract of proposals for furnishing and delivering about 303,000 feet b. m. hemlock lumber for Dam No. 26, Ohio River, received in response to advertisement dated Feb. 10, 1910, and opened at Wheeling, W. Va., Feb. 19, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	Hemlock lumber (303,000 feet b. m.).	
		Unit price.	Amount.
1	G. Elias & Bro., Buffalo, N. Y.....	<i>Per M.</i> \$27. 50	\$8,332. 50
2	Crescent Lumber Co., Pittsburg, Pa.....	24. 00	7,272. 00
3	W. A. Wilson & Sons, Wheeling, W. Va.....	24. 75	7,499. 25

No. 2, informal.

No. 3. Accepted.

*Abstract of proposals for furnishing and delivering structural steel, forgings, bolts, etc., for Dams Nos. 8 and 11, Ohio River, received in response to advertisement dated Feb. 14, 1910, and opened at Wheeling, W. Va., Feb. 28, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	Dam No. 8. Structural steel, etc. (246,600 pounds).		Dam No. 11. Structural steel, etc. (126,000 pounds).		Total.
		Unit price.	Amount.	Unit price.	Amount.	
1	The Richard Manufacturing Co., Bloomsburg, Pa.....	\$0. 055	\$13,530. 00	\$0. 0525	\$6,615. 00	\$20,145. 00
2	Independent Bridge Co., Pittsburg, Pa.....	. 0332	8,187. 12	. 0236	2,973. 60	11,160. 72
3	Penn Bridge Co., Beaver Falls, Pa.....	. 0369	9,099. 54	. 0314	3,956. 40	13,055. 94
4	American Bridge Co. of New York, Pittsburg, Pa.....	. 0274	6,756. 84	. 0274	3,452. 40	10,209. 24
5	New Jersey Foundry & Machine Co., New York, N. Y.....	. 0363	8,951. 58	. 0363	4,573. 80	13,525. 38
6	Hoisting Machinery Co., New York, N. Y....	. 0577	14,228. 82	. 067	8,442. 00	22,670. 82
7	Lawrence D. Weaning, Cleveland, Ohio.....	. 035	8,631. 00	. 0315	3,969. 00	12,600. 00

Nos. 1, 3, 4, and 6 informal.

No. 4. Recommended for acceptance.

*Abstract of proposals for furnishing and erecting steel lock gates and lock-operating mechanism for Dams Nos. 8 and 11, Ohio River, received in response to advertisement dated Feb. 19, 1910, and opened at Wheeling, W. Va., Mar. 21, 1910, by Capt. F. W. Alistacter, Corps of Engineers.*

Articles.	Quantity.	(1) Penn Bridge Co., Beaver Falls, Pa.		(2) G. & W. Manu- facturing Co., New York, N. Y.	
		Rate.	Amount.	Rate.	Amount.
DAM NO. 8.					
Lot A.					
Structural steel..... pounds..	447,000	\$0.0533	\$23,825.10	\$0.0595	\$26,596.50
Mechanical parts..... do....	158,300	\$0.089	14,088.70	\$0.0793	12,553.19
Oak timber..... M feet b. m..	18,500	\$49.00	906.50	\$63.00	1,165.50
Hemlock or pine timber..... do....	2,100	\$70.00	147.00	\$65.00	136.50
Total.....			38,967.30		40,451.69
Lot B.					
Gate jacks..... number..	18	\$133.00	2,394.00	\$223.00	4,014.00
River-wall jacks..... do....	16	\$112.00	1,792.00	\$223.00	3,568.00
Gate winches, etc..... do....	2	\$2,422.00	4,844.00	\$2,200.00	4,400.00
Tanks:					
100-gallon..... do....	2	\$80.00	160.00	\$50.00	100.00
150-gallon..... do....	2	\$95.00	190.00	\$75.00	150.00
Pipe:					
2-inch..... feet..	12	\$1.35	16.20	\$0.40	4.80
1-inch..... do....	200	\$1.25	250.00	\$0.50	100.00
1 1/2-inch..... do....	1,325	\$0.70	927.50	\$0.69	914.25
3-inch..... do....	20	\$1.50	30.00	\$3.00	60.00
Drip pockets..... number..	2	\$12.00	24.00	\$15.00	30.00
Screw fittings, Crane's..... list price..	\$138.00	65 p. ct.	89.70	65 p. ct.	89.70
Unions, Lunkenheimer's..... do....	\$260.00	90 p. ct.	234.00	68 p. ct.	176.80
Flanged unions, Crane's..... do....	\$4.50	58 p. ct.	2.61	90 p. ct.	4.05
Cocks, Lunkenheimer's..... do....	\$80.00	32 p. ct.	25.60	90 p. ct.	72.00
Brass valves, Lunkenheimer's..... do....	\$338.00	70 p. ct.	236.60	80 p. ct.	270.40
Specialties..... net cost..	\$10.00	135 p. ct.	13.50	140 p. ct.	14.00
Hose..... pair..	1		12.00		10.00
Oil..... gallons..	725	\$0.30	217.50	\$0.30	217.50
Total.....			11,459.21		14,195.50
DAM NO. 11.					
Lot A.					
Structural steel..... pounds..	447,000	\$0.0533	\$23,825.10	\$0.0595	\$26,596.50
Mechanical parts..... do....	158,300	\$0.089	14,088.70	\$0.0793	12,553.19
Oak timber..... M feet b. m..	18,500	\$49.00	906.50	\$63.00	1,165.50
Hemlock or pine timber..... do....	2,100	\$70.00	147.00	\$65.00	136.50
Total.....			38,967.30		40,451.69
Lot B.					
Gate jacks..... number..	18	\$133.00	2,394.00	\$223.00	4,014.00
River-wall jacks..... do....	16	\$112.00	1,792.00	\$223.00	3,568.00
Gate winches, etc..... do....	2	\$2,422.00	4,844.00	\$2,200.00	4,400.00
Tanks:					
100-gallon..... do....	2	\$80.00	160.00	\$50.00	100.00
150-gallon..... do....	2	\$95.00	190.00	\$75.00	150.00
Pipe:					
2-inch..... feet..	12	\$1.35	16.20	\$0.40	4.80
1-inch..... do....	200	\$1.25	250.00	\$0.50	100.00
1 1/2-inch..... do....	1,325	\$0.70	927.50	\$0.69	914.25
3-inch..... do....	20	\$1.50	30.00	\$3.00	60.00
Drip pockets..... number..	2	\$12.00	24.00	\$15.00	30.00
Screw fittings, Crane's..... list price..	\$138.00	65 p. ct.	89.70	65 p. ct.	89.70
Unions, Lunkenheimer's..... do....	\$260.00	90 p. ct.	234.00	68 p. ct.	176.80
Flanged unions, Crane's..... do....	\$4.50	58 p. ct.	2.61	90 p. ct.	4.05
Cocks, Lunkenheimer's..... do....	\$80.00	32 p. ct.	25.60	90 p. ct.	72.00
Brass valves, Lunkenheimer's..... do....	\$338.00	70 p. ct.	236.60	80 p. ct.	270.40
Specialties..... net cost..	\$10.00	135 p. ct.	13.50	140 p. ct.	14.00
Hose..... pair..	1		12.00		10.00
Oil..... gallons..	725	\$0.30	217.50	\$0.30	217.50
Total.....			11,459.21		14,195.50

*Abstract of proposals for furnishing and erecting steel lock gates and lock-operating mechanism for Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

Articles.	Quantity.	(3) James J. Walker Co., Pittsburg, Pa.		(4) New Jersey Foundry & Machine Co., New York, N. Y.	
		Rate.	Amount.	Rate.	Amount.
DAM No. 8.					
Lot A.					
Structural steel.....pounds..	447,000			\$0.0536	\$23,959.20
Mechanical parts.....do.....	158,300			\$0.0909	15,339.27
Oak timber.....M feet b. m..	18,500			\$60.00	1,110.00
Hemlock or pine timber.....do.....	2,100			\$35.00	73.50
Total.....					40,481.97
Lot B.					
Gate jacks.....number..	18	\$153.00	\$2,754.00	\$115.00	2,070.00
River-wall jacks.....do.....	16	\$144.00	2,304.00	\$130.00	2,080.00
Gate winches, etc.....do.....	2	\$2,433.00	4,866.00	\$2,055.00	4,110.00
Tanks:					
100-gallon.....do.....	2	\$48.00	96.00	\$70.00	140.00
150-gallon.....do.....	2	\$60.00	120.00	\$82.00	164.00
Pipe:					
3-inch.....feet..	12	\$0.40	4.80	\$0.15	1.80
1-inch.....do.....	200	\$0.45	90.00	\$0.24	48.00
1½-inch.....do.....	1,325	\$0.50	662.50	\$0.27	357.75
3-inch.....do.....	20	\$1.15	23.00	\$0.75	15.00
Drip pockets.....number..	2	\$12.60	25.20	\$5.50	11.00
Screw fittings, Crane's.....list price..	\$138.00	70 p. ct.	96.60	67 p. ct.	92.46
Unions, Lunkenheimer's.....do.....	\$260.00	70 p. ct.	182.00	69 p. ct.	179.40
Flanged unions, Crane's.....do.....	\$4.50	75 p. ct.	3.38	49 p. ct.	2.21
Cocks, Lunkenheimer's.....do.....	\$80.00	74 p. ct.	59.20	67 p. ct.	53.60
Brass valves, Lunkenheimer's.....do.....	\$338.00	75 p. ct.	253.50	76 p. ct.	256.88
Specialties.....net cost..	\$10.00	125 p. ct.	12.50	10 p. ct.	10.70
Hose.....pair.....	1	\$8.90	8.90		9.50
Oil.....gallons..	725	\$0.18	130.50	\$0.33	239.25
Total.....			11,692.08		9,841.55
DAM No. 11.					
Lot A.					
Structural steel.....pounds..	447,000			\$0.0536	23,959.20
Mechanical parts.....do.....	158,300			\$0.0909	15,339.27
Oak timber.....M feet b. m..	18,500			\$60.00	1,110.00
Hemlock or pine timber.....do.....	2,100			\$35.00	73.50
Total.....					40,481.97
Lot B.					
Gate jacks.....number..	18	\$153.00	2,754.00	\$115.00	2,070.00
River-wall jacks.....do.....	16	\$144.00	2,304.00	\$130.00	2,080.00
Gate winches, etc.....do.....	2	\$2,433.00	4,866.00	\$2,055.00	4,110.00
Tanks:					
100-gallon.....do.....	2	\$48.00	96.00	\$70.00	140.00
150-gallon.....do.....	2	\$60.00	120.00	\$82.00	164.00
Pipe:					
3-inch.....feet..	12	\$0.40	4.80	\$0.15	1.80
1-inch.....do.....	200	\$0.45	90.00	\$0.24	48.00
1½-inch.....do.....	1,325	\$0.50	662.50	\$0.27	357.75
3-inch.....do.....	20	\$1.15	23.00	\$0.75	15.00
Drip pockets.....number..	2	\$12.60	25.20	\$5.50	11.00
Screw fittings, Crane's.....list price..	\$138.00	70 p. ct.	96.60	67 p. ct.	92.46
Unions, Lunkenheimer's.....do.....	\$260.00	70 p. ct.	182.00	69 p. ct.	179.40
Flanged unions, Crane's.....do.....	\$4.50	75 p. ct.	3.38	49 p. ct.	2.21
Cocks, Lunkenheimer's.....do.....	\$80.00	74 p. ct.	59.20	67 p. ct.	53.60
Brass valves, Lunkenheimer's.....do.....	\$338.00	75 p. ct.	253.50	76 p. ct.	256.88
Specialties.....net cost..	\$10.00	125 p. ct.	12.50	107 p. ct.	10.70
Hose.....pair.....	1	\$8.90	8.90		9.50
Oil.....gallons..	725	\$0.18	130.50	\$0.33	239.25
Total.....			11,692.08		9,841.55



*Abstract of proposals for furnishing and erecting steel lock gates and lock-operating mechanism for Dams Nos. 8 and 11, Ohio River, etc.—Continued.*

Articles.	Quantity.	(5) Independent Bridge Co., Pittsburgh, Pa.		(6) J. & J. B. Millholland Co., Pittsburgh, Pa.		(7) The Richard Manufacturing Co., Bloomsburg, Pa.	
		Rate.	Amount.	Rate.	Amount.	Rate.	Amount.
DAM No. 8.							
Lot A.							
Structural steel.....pounds..	447,000	\$0.0474	\$21,187.80				
Mechanical parts.....do....	158,300	\$0.0732	11,587.56				
Oak timber.....M feet b. m..	18,500	\$65.00	1,202.50				
Hemlock or pine timber.....do..	2,100	\$55.00	115.50				
Total.....			34,093.36				
Lot B.							
Gate jacks.....number..	18			\$133.00	\$2,394.00	\$120.00	\$2,160.00
River-wall jacks.....do....	16			\$112.00	1,792.00	\$140.00	2,240.00
Gate winches, etc.....do....	2			\$2,422.00	4,844.00	\$3,300.00	6,600.00
Tanks:							
100-gallon.....do....	2		\$80.00		160.00	\$80.00	160.00
150-gallon.....do....	2		\$95.00		190.00	\$115.00	230.00
Pipe:							
3-inch.....feet..	12		\$1.35	16.20	\$0.08		.96
1-inch.....do....	200		\$1.25	250.00	\$0.11		22.00
1½-inch.....do....	1,325		\$0.70	927.50	\$0.18		238.50
3-inch.....do....	20		\$1.50	30.00	\$0.50		10.00
Drip pockets.....number..	2		\$12.00	24.00	\$12.00		24.00
Screw fittings, Crane's list price.	\$138.00			65 p. ct.	89.70	50 p. ct.	69.00
Unions, Lunkenheimer's.....do..	\$260.00			90 p. ct.	234.00	30 p. ct.	78.00
Flanged unions, Crane's.....do..	\$4.50			58 p. ct.	2.61	40 p. ct.	1.80
Cocks, Lunkenheimer's.....do..	\$80.00			82 p. ct.	65.60	35 p. ct.	28.00
Brass valves, Lunkenheimer's, list price.	\$338.00			70 p. ct.	236.00	50 p. ct.	169.00
Specialties.....net cost..	\$10.00			135 p. ct.	13.50	110 p. ct.	11.00
Hose.....pair..	1				12.00		5.00
Oil.....gallons..	725			\$0.30	217.50	\$0.25	181.25
Total.....					11,499.21		12,228.51
DAM No. 11.							
Lot A.							
Structural steel.....pounds..	447,000	\$0.0474	21,187.80				
Mechanical parts.....do....	158,300	\$0.0732	11,587.56				
Oak timber.....M feet b. m..	18,500	\$65.00	1,202.50				
Hemlock or pine timber.....do..	2,100	\$55.00	115.50				
Total.....			34,093.36				
Lot B.							
Gate jacks.....number..	18			\$133.00	2,394.00	\$120.00	2,160.00
River-wall jacks.....do....	16			\$112.00	1,792.00	\$140.00	2,240.00
Gate winches, etc.....do....	2			\$2,422.00	4,844.00	\$3,300.00	6,600.00
Tanks:							
100-gallon.....do....	2		\$80.00		160.00	\$80.00	160.00
150-gallon.....do....	2		\$95.00		190.00	\$115.00	230.00
Pipe:							
3-inch.....feet..	12		\$1.35	16.20	\$0.08		.96
1-inch.....do....	200		\$1.25	250.00	\$0.11		22.00
1½-inch.....do....	1,325		\$0.70	927.50	\$0.18		238.50
3-inch.....do....	20		\$1.50	30.00	\$0.50		10.00
Drip pockets.....number..	2		\$12.00	24.00	\$12.00		24.00
Screw fittings, Crane's list price.	\$138.00			65 p. ct.	89.70	50 p. ct.	69.00
Unions, Lunkenheimer's.....do..	\$260.00			90 p. ct.	234.00	30 p. ct.	78.00
Flanged unions, Crane's.....do..	\$4.50			58 p. ct.	2.61	40 p. ct.	1.80
Cocks, Lunkenheimer's.....do..	\$80.00			82 p. ct.	65.60	35 p. ct.	28.00
Brass valves, Lunkenheimer's, list price.	\$338.00			70 p. ct.	236.00	50 p. ct.	169.00
Specialties.....net cost..	\$10.00			135 p. ct.	13.50	110 p. ct.	11.00
Hose.....pair..	1				12.00		5.00
Oil.....gallons..	725			\$0.30	217.50	\$0.25	181.25
Total.....					11,499.21		12,228.51

No. 4. Recommended for acceptance of Lot B for both dams.  
 No. 5. Recommended for acceptance of Lot A for both dams.  
 Nos. 1, 2, 3, 6, and 7 informal.

*Abstract of proposals for furnishing and delivering three wooden-hull maneuver boats with derricks, engines, etc., for Dams Nos. 8, 11, and 26, Ohio River, received in response to advertisement dated Feb. 23, 1910, and opened at Wheeling, W. Va., Mar. 24, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	Maneuver boat, complete.		
		Dam No. 8.	Dam No. 11.	Dam No. 26.
1	M. A. Sweeney Shipyard & Foundry Co., Jeffersonville, Ind.	\$9,000.00	\$9,000.00	\$9,000.00
2	Monongahela River Consolidated Coal & Coke Co., Pittsburg, Pa.	6,642.00	6,642.00	6,642.00
3	Edgar M. Moore & Co., Pittsburg, Pa.	7,149.00	7,149.00	7,149.00
4	Thos. Carlin's Sons Co., Pittsburg, Pa.	5,200.00	5,200.00	5,200.00
5	Pittsburg Machinery & Equipment Co., Pittsburg, Pa.	5,880.00	5,880.00	5,880.00
6	J. M. Hammitt, Marietta, Ohio.	6,870.00	6,870.00	6,870.00
7	The Chas. Barnes Co., Cincinnati, Ohio.	7,400.00	7,400.00	7,400.00

Nos. 1, 2, 3, 4, 5, 6, and 7, informal.  
No. 4, recommended for acceptance.

*Abstract of proposals for furnishing and delivering structural steel, forgings, castings, bolts, etc., for bear-trap weir foundation and piers, Dam No. 26, Ohio River, received in response to advertisement dated Feb. 26, 1910, and opened at Wheeling, W. Va., Mar. 14, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

Articles.	Quantity.	(1) The Richard Manufacturing Co., Bloomsburg, Pa.		(2) J. & J. B. Milholland Co., Pittsburg, Pa.		(3) Lawrence D. Weaning, Cleveland, Ohio.		(4) Wheeling Mold & Foundry Co., Wheeling, W. Va.	
		Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
Structural steel pound..	57,600	\$0.0325	\$1,872.00	\$0.033	\$1,900.80	\$0.0325	\$1,872.00	\$0.04	\$2,304.00
Forgings.....do....	23,000	.04	920.00	.045	1,035.00	.055	1,265.00	.0375	862.50
Steel castings.....do....	70,000	.07	4,900.00	.052	3,640.00	.078	5,460.00	.065	4,550.00
Iron castings.....do....	44,300	.0425	1,882.75	.0465	2,059.95	.06	2,658.00	.06	2,658.00
Bolts, rods, etc.....do....	17,400	.0375	652.50	.034	591.60	.04	696.00	.0475	826.50
Bronze.....do.....	70	.40	28.00	.25	17.50	.50	35.00	.50	35.00
Total.....			10,255.25		9,244.85		11,986.00		11,236.00

Nos. 1, 2, and 4, informal.  
No. 2, recommended for acceptance.

*Abstract of proposal for building a quarter boat and a hull for snag boat for the Kanawha River improvement, received in response to advertisement dated Feb. 28, 1910, and opened at Wheeling, W. Va., Mar. 30, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

Articles.	(1) J. M. Hammitt, Marietta, Ohio.
1 quarter boat.....	\$1,883.00
1 hull for snag boat.....	4,300.00
Total.....	6,183.00

Recommended for rejection, the prices being considered excessive.

*Abstract of proposals for furnishing and delivering ironwork for gates for Lock No. 8, Kanawha River, received in response to advertisement dated Mar. 1, 1910, and opened at Charleston, W. Va., Mar. 31, 1910, by Thos. E. Jeffries, assistant engineer, for Capt. F. W. Altstaetter, Corps of Engineers.*

Articles.	Quantity.	(1) Chas. Hege- wald Co., New Albany, Ind.		(2) South Side Foundry & Machine Works, Charleston, W. Va.		(3) Sterrit- Thomas Foundry Co., Pittsburg, Pa.		(4) J. & J. B. Milholland Co., Pittsburg, Pa.	
		Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
Steel.....pound..	12,371	\$0.04999	\$618.43	\$0.07	\$865.97	\$0.07	\$865.97	\$0.065	\$804.12
Cast iron.....do..	12,159	.04399	534.87	.0675	820.73	.0525	638.35	.055	668.74
Machinery and hard steel.....pound..	580	.12399	71.91	.42	243.60	.20	116.00	.16	92.80
Bronze.....do.....	208	.2399	49.90	.495	102.96	.50	104.00	.50	104.00
Total.....			1,275.11		2,033.26		1,724.32		1,669.66

No. 1 accepted.

*Abstract of proposals for furnishing material for and building sewers at Dam No. 8, Ohio River, received in response to advertisement dated Mar. 21, 1910, and opened at Wheeling W. Va., Mar. 31, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

Articles.	Quantity.	(1) The Guy Johnston Con- tracting Co., Toronto, Ohio.		(2) John A. Nagle, Wells- ville, Ohio.	
		Unit price.	Amount.	Unit price.	Amount.
Sewer:					
12-inch.....linear foot..	320	\$0.98	\$313.60	\$1.50	\$480.00
8-inch.....do.....	45	.48	21.60	1.00	45.00
6-inch.....do.....	250	.40	100.00	.65	162.50
Manholes.....number..	2	87.00	174.00	70.00	140.00
Total.....			609.20		827.50

No. 1 accepted.

Work to be completed—Bid No. 1, 45 days; bid No. 2, 90 days.

*Abstract of proposals for furnishing and delivering about 950 barrels of American Portland cement for the Ohio and Little Kanawha rivers, received in response to advertisement dated Mar. 24, 1910, and opened at Wheeling, W. Va., Apr. 5, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	American Portland cement (950 barrels).			Allow- ance for sacks.	Brand.
		In sacks.		In wood.		
		Unit price.	Amount.			
					<i>Cents.</i>	
1	The Atlas Portland Cement Co., New York, N. Y.	\$1.37	\$1,301.50	\$1.39	7½	Atlas
2	The Alpha Portland Cement Co., Easton, Pa.	1.32	1,254.00	1.39	7½	Alpha.
3	The Thomas D. Prosser Co., Wheeling, W. Va.	1.37	1,301.50	1.39	7½	Giant.
4	The Superior Portland Cement Co., Cincin- nati, Ohio.	1.24	1,178.00	.....	7½	Superior.
5	The Universal Portland Cement Co., Pitts- burg, Pa.	1.43	1,358.50	1.43	10	Universal.

No. 4 accepted

*Abstract of proposals for furnishing and delivering pipe, fittings, valves, etc., for Dam No. 26, Ohio River, received in response to advertisement dated Mar. 26, 1910, and opened at Wheeling, W. Va., Apr. 6, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

Articles.	Quantity.	1		2		3	
		Pittsburgh Valve Foundry & Construction Co., Pittsburgh, Pa.		Somers, Fittler & Todd Co., Pittsburg, Pa.		Trimble & Lutz Supply Co., Wheeling, W. Va.	
		Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
Pipe:							
4-inch.....linear feet..	970	\$0.84	\$814.80	\$0.867	\$840.99	\$0.84	\$814.80
3-inch.....do.....	670	.59	395.30	.6069	406.62	.60	402.00
Pipe bends, 90°, 3 feet radius, 4-inch, number.....	12	7.25	87.00	10.75	129.00	10.50	126.00
SCREW FITTINGS.							
Elbows, 90°:							
3-inch, long sweep.....number..	6	2.70	16.20	1.71	10.26	3.00	18.00
4-inch.....do.....	2	2.55	5.10	1.62	3.24	4.65	9.30
Tees:							
4-inch.....do.....	3	3.90	11.70	2.47	7.41	4.32	12.96
3-inch.....do.....	6	2.16	12.96	1.37	8.22	2.40	14.40
Reducers, 3 to 2 inch.....do.....	6	.50	3.00	.80	4.80	2.40	14.40
Plugs, 4-inch.....do.....	6	.21	1.26	.19	1.14	.21	1.26
FLANGED FITTINGS.							
Elbows, 90°:							
3-inch, long radius.....number..	12	4.70	56.40	5.40	64.80	4.66	55.92
Reducing, 4 to 3 inch.....do.....	2	6.00	12.00	7.10	14.20	6.15	12.30
3-inch.....do.....	6	2.90	17.40	2.66	15.96	2.33	13.98
Tees:							
4-inch.....do.....	5	5.90	29.50	5.70	28.50	4.99	24.95
4 by 4 by 3 inches.....do.....	4	6.30	25.20	6.40	25.60	5.86	23.44
Flanged reducer, 4 to 3 inch.....do.....	1	6.25	6.25	7.40	7.40	7.50	7.50
Companion flanges:							
Shrink, 3-inch.....do.....	6	9.00	54.00	3.10	18.60	16.00	96.00
3-inch.....do.....	12	2.70	32.40	1.60	19.20	3.35	40.20
4-inch.....do.....	30	3.50	105.00	2.10	63.00	4.40	132.00
VALVES, ETC.							
Globe valves, 3-inch.....number..	6	13.00	78.00	14.00	84.00	16.40	98.40
Cocks, 2-inch.....do.....	6	4.65	27.90	4.99	29.94	5.75	34.50
Expansion joints, 3-inch.....do.....	6	8.00	48.00	18.55	111.30	5.60	33.60
Total.....			1,839.37		1,894.18		1,985.91

No. 1 accepted.

*Abstract of proposals for furnishing and delivering about 4,500 barrels of American Portland cement for Dam No. 19, Ohio River, received in response to advertisement dated Mar. 29, 1910, and opened at Wheeling, W. Va., Apr. 28, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	Portland cement (4,500 barrels, in sacks).		Brand.	Weight.	Location of mill.
		Unit price.	Amount.			
1	The Thomas D. Prosser Co., Wheeling, W. Va.	\$1.37	\$6,165.00	Giant.....	Pounds. 376	Copley, Pa.
2	The Superior Portland Cement Co., Cincinnati, Ohio.	1.317	5,926.50	Superior.....	375	Superior, Ohio.
3	Universal Portland Cement Co., Pittsburg, Pa.	1.43	6,435.00	Universal.....	376	Universal, Pa.
4	Alpha Portland Cement Co., Easton, Pa.	1.34	6,030.00	Alpha.....	380	Manheim, W. Va.
5	Lehigh Portland Cement Co., Cleveland, Ohio.	1.33	5,985.00	Lehigh.....	375	West Copley, Pa.
6	The Atlas Portland Cement Co., New York, N. Y.	1.33	5,985.00	Atlas.....	376	Northampton, Pa.

Nos. 1, 2, 3, 4, and 5 informal.  
No. 2 recommended for acceptance.

*Abstract of proposals for furnishing and delivering white-oak timber for Dam No. 26, Ohio River, received in response to advertisement dated Mar. 29, 1910, and opened at Wheeling, W. Va., Apr. 7, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	White-oak timber (15,316 feet b. m.).	
		Unit price.	Amount.
		<i>Per M feet.</i>	
1	W. M. Ritter Lumber Co., Columbus, Ohio.....	\$34.75	\$5,322.31
2	Nicolette Lumber Co., Nicolette, W. Va.....	32.00	4,901.12
3	J. M. Senseman Lumber Co., Parkersburg, W. Va.....	32.50	4,977.70
4	G. Elias & Bro., Buffalo, N. Y.....	32.50	4,977.70
5	The Parkersburg Mill Co., Parkersburg, W. Va.....	37.00	5,666.92

No. 2 accepted.

*Abstract of proposals for furnishing and delivering yellow-pine and white-oak timber for Dam No. 26, Ohio River, received in response to advertisement dated Apr. 13, 1910, and opened at Wheeling, W. Va., Apr. 22, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	Long-leaf yellow pine (41,952 feet b. m.).		White oak (3,224 feet b. m.).		Total.
		Unit price.	Amount.	Unit price.	Amount.	
		<i>Per M feet.</i>		<i>Per M feet.</i>		
1	Crescent Lumber Co., Pittsburg, Pa.....	\$34.00	\$1,426.37			\$1,426.37
2	C. P. Caughey Lumber Co., Pittsburg, Pa.....	38.00	1,594.18			1,594.18
3	G. Elias & Bro., Buffalo, N. Y.....	31.50	1,321.49	\$79.00	\$254.70	1,576.19

Nos. 1 and 2 informal.

No. 3 accepted.

*Abstract of proposals for constructing Poirée Dam foundations and extension of piers for Dam No. 13, Ohio River, received in response to advertisement dated May 16, 1910, opened at Wheeling, W. Va., June 15, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

Articles.	Quan- tity.	(1) The Ohio River Contract Co., Evansville, Ind.		(2) Curtis, Shum- way & Deane, Portsmouth, Ohio.	
		Unit price.	Amount.	Unit price.	Amount.
Cofferdam..... number.....	1		\$10,000.00		\$27,345.00
Common excavation..... cubic yards.....	3,000	\$0.80	2,400.00	\$1.75	5,250.00
Coal excavation..... do.....	500	2.50	1,250.00	1.75	875.00
Rock excavation..... do.....	275	3.00	825.00	3.00	825.00
White-oak timber..... M feet b. m.....	7,300	100.00	730.00	90.00	657.00
Concrete..... cubic yards.....	2,500	8.00	20,000.00	8.00	20,000.00
Structural steel..... pounds.....	10,000	.07	700.00	.05	500.00
Bolts, etc..... do.....	10,000	.07	700.00	.05	500.00
Iron castings..... do.....	10,600	.07	742.00	.05	530.00
Forgings..... do.....	12,600	.07	882.00	.10	1,260.00
Pumping and maintaining cofferdam..... days.....	20	40.00	800.00	30.00	600.00
Total.....			39,029.00		58,342.00

No. 1 recommended for acceptance.

*Abstract of proposals for furnishing and delivering a gasoline boat of tunnel type for Dam No. 26, Ohio River, received in response to advertisement dated Apr. 27, 1910, and opened at Wheeling, W. Va., May 12, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	Amount.
1	The Matthews Boat Co., Port Clinton, Ohio.....	\$3,100.00
2	Pioneer Boat & Pattern Co., Bay City, Mich.....	1,980.00
3	Truscott Boat Manufacturing Co., St. Joseph, Mich.....	2,044.00

No. 2 accepted.

*Abstract of proposals for building quarter boat No. 28 and hull for snag boat Captain Turtle for the Kanawha River improvement, received in response to advertisement dated May 23, 1910, and opened at Wheeling, W. Va., June 22, 1910, by Capt. F. W. Altstaetter, Corps of Engineers.*

No.	Names and addresses of bidders.	Quarter-boat.	Hull for snag boat.
1	J. M. Hammitt, Marietta, Ohio.....	\$1,700.00	\$3,400.00
2	The Chas. Barnes Co., Cincinnati, Ohio.....	2,490.00	3,460.00
3	Kanawha Dock Co., Point Pleasant, W. Va.....	2,700.00	4,300.00
4	Perry Wright, Charleston, W. Va.....	1,700.00	3,050.00

Nos. 2, 3, and 4 informal.

No. 1 recommended for acceptance.

## LOUISVILLE (KY.) DISTRICT.

[Officer: Capt. Lytle Brown, Corps of Engineers.]

### RIVERS AND HARBORS.

*Abstract of proposals received in response to circular notice and specifications for furnishing and delivering lumber for two dump scows, for Green and Barren Rivers, Ky., and opened at United States engineer office, Louisville, Ky., Nov. 8, 1909.*

[Bids were for the entire lot of lumber in each case, 107,322½ feet b. m.]

No.	Names and addresses of bidders.	Under first condition.	Under second condition.	Under third condition.	Kind of timber.
1	Louisville Point Lumber Co., Louisville, Ky.	\$2,750.00	.....	.....	Long-leaf yellow pine.
2	St. Paul & Tacoma Lumber Co., Tacoma, Wash.	.....	\$2,025.00	.....	Fir.
3	The Marsh & Bingham Co., Chicago, Ill.	{ 4,282.88	.....	.....	Do.
4	H. B. Waite Lumber Co., Minneapolis, Minn.	{ 3,219.66	.....	.....	Long-leaf yellow pine.
		{ 4,268.00	1,960.00	.....	Fir.
5	Henry Koehler & Co., Louisville, Ky..	3,158.00	.....	.....	Long-leaf yellow pine.
6	R. M. Cunningham, Louisville, Ky....	3,475.00	.....	.....	Do.
7	Wood-Vizard Lumber Co., Hattiesburg, Miss.	2,995.00	.....	.....	Do.
8	Central Lumber Co., Centralia, Wash..	3,780.00	1,240.50	\$3,780.00	Fir.

Bid of Louisville Point Lumber Co. accepted.

*Conditions.*—First, entire lot, sawed to dimensions given, delivered f. o. b. flat cars on United States switch at Eighteenth Street Bridge, Louisville, Ky.; second, entire lot, sawed to dimensions given, delivered f. o. b. flat cars at mill, giving location; third, entire lot, sawed to dimensions given, delivered at shops of Louisville and Portland Canal, Louisville, Ky.



*Abstract of proposals received in response to circular notice and specifications for furnishing and delivering lumber for repair of derrick boats, etc., Green and Barren rivers, Ky., and opened at United States engineer office, Louisville, Ky., Nov. 5, 1909.*

[Bids were for the entire lot of lumber in each case, 108,657½ feet b. m.]

No.	Names and addresses of bidders.	Under first condition.	Under second condition.	Under third condition.	Under fourth condition.	Under fifth condition.	Under sixth condition.	Kind of timber.
1	Marsh & Bingham Co., Chicago, Ill.	-----	-----	\$4,728.11	\$2,244.98	-----	-----	Fir.
2	Wood-Vizard Lumber Co., Hattiesburg, Miss.	-----	-----	-----	-----	\$3,940.00	-----	Long-leaf yellow pine.
3	H. B. Waite Lumber Co., Minneapolis, Minn.	\$4,903.00	\$2,378.00	5,020.00	2,496.00	5,171.00	\$2,437.00	Fir.
4	J. G. Newbegin, Tacoma, Wash.	-----	2,291.60	-----	1,849.56	-----	1,741.23	Do.
5	R. M. Cunningham, Louisville, Ky.	3,780.00	-----	3,360.00	-----	-----	-----	Long-leaf yellow pine.
6	Henry Kohler & Co., Louisville, Ky.	-----	-----	-----	2,794.66	-----	2,630.41	Do.

Bid of R. M. Cunningham, under first condition, accepted.

*Conditions.*—First, entire lot, dressed 4 sides to sizes stated, delivered f. o. b. flat cars at Bowling Green, Ky.; second, entire lot, dressed 4 sides to sizes stated, delivered f. o. b. flat cars at mill, giving location; third, entire lot, sawed to sizes given, and dressed 4 sides so as to make width and thickness not more than one-fourth inch less than those stated, delivered f. o. b. flat cars at Bowling Green, Ky.; fourth, entire lot, sawed to sizes given, and dressed 4 sides so as to make width and thickness not more than one-fourth inch less than those stated, delivered f. o. b. flat cars at mill, giving location; fifth, entire lot, sawed to dimensions given, delivered f. o. b. flat cars at Bowling Green, Ky.; sixth, entire lot, sawed to dimensions given, delivered f. o. b. flat cars at mill, giving location.

*Abstract of proposals for furnishing and delivering steel gates, etc., for Locks Nos. 2 and 3, Green River, Ky., received in response to circular advertisement and specifications dated Dec. 1, 1909, and opened at United States engineer office, Louisville, Ky., Dec. 21, 1909.*

No.	Name and address of bidder.	Price of the set of lower gates for Lock No. 2, Green River.	Price of the set of upper gates for Lock No. 3, Green River.	Total.
1	Granger & Co., Louisville, Ky.	\$3,550.00	\$3,060.00	\$6,610.00
2	Louisville Bridge and Iron Co., Louisville, Ky.	2,929.00	2,070.00	4,999.00
3	Chas. Hegewald Co., New Albany, Ind.	3,199.00	2,729.00	5,928.00
4	Penn. Bridge Co., Beaver Falls, Pa.	3,993.00	3,289.00	7,282.00

Bid of Louisville Bridge & Iron Co. accepted.

### DULUTH (MINN.) DISTRICT.

[Officer: Lieut. Col. Graham D. Fitch, Corps of Engineers.]

#### RIVERS AND HARBORS.

*Abstract of verbal bids received at Duluth, Minn., July 6, 1909, in response to telephonic request to all dredging companies on Lake Superior, for dredging shoals in the Portage Lake ship canals, Mich.*

[Appropriation: Operating and care of canals and other works of navigation: Indefinite—for Portage Lake and Lake Superior canals, Mich.]

No.	Names and addresses of bidders.	Price per cubic yard (scoow measurement).
1	Duluth-Superior Dredging Co., Duluth, Minn.	\$0.25
2	Northern Dredge & Dock Co., Duluth, Minn.	1.23½
3	Great Lakes Dredge & Dock Co., Duluth, Minn.	(2)
4	Zenith Dredge Co., Duluth, Minn.	(2)

<sup>1</sup> Accepted.

<sup>2</sup> Refused to bid.

*Abstract of bids opened by Lieut. Col. Graham D. Fitch, Corps of Engineers, at Duluth, Minn., at noon, July 22, 1909, in response to advertisement dated July 13, 1909, for the sale of 2,500 piles, more or less, at Superior Entry, Wis.*

[Appropriation for improving harbor at Duluth, Minn., and Superior, Wis.]

No.	Name and address of bidder.	For 82,140 linear feet, more or less, of piles, to be called for and taken away by the purchaser, at Superior Entry, Wis., per linear foot.
1	Zenith Cedar Co., Duluth, Minn. ....	1 \$0.06

<sup>1</sup> Accepted.

No bids received July 22, but the above was received after verbal inquiry was made among the dealers.

*Abstract of bids received for furnishing and delivering at site of North breakwater, head of Superior Entry, Wis., 4,000 tons of rubble stone under public notice and opened at Duluth, Minn., by Lieut. Col. Graham D. Fitch, Corps of Engineers, at noon, Aug. 23, 1909.*

[Appropriation: Preservation and maintenance of river and harbor works: For Duluth-Superior Harbor.]

No.	Name and address of bidder.	For rubble stone in place around the cribs, etc., per ton of 2,000 pounds.
1	Great Lakes Dredge & Dock Co., Duluth, Minn. ....	1 \$1.25

<sup>1</sup> Accepted.

*Abstract of bids received for furnishing and delivering on dock at Duluth or Two Harbors, Minn., 24,000 feet b. m., more or less, of timber, under public notice and opened at Duluth, Minn., by Lieut. Col. Graham D. Fitch, Corps of Engineers, at noon, Sept. 23, 1909.*

[Appropriation: Improving harbor at Agate Bay, Minnesota.]

No.	Names and addresses of bidders.	24,000 feet b. m. of timber.
1	A. J. Macdonald, Superior, Wis. ....	1 \$556.80
2	Alger, Smith & Co., Duluth, Minn. ....	604.80

<sup>1</sup> Accepted.

*Abstract of bids received for furnishing and delivering in place at site of north and south breakwater heads at Superior Entry, Wis., 4,800 tons of rubble stone, more or less, under public notice, and opened at Duluth, Minn., by Lieut. Col. Graham D. Fitch, Corps of Engineers, at noon, Sept. 30, 1909.*

[Appropriation: Preservation and maintenance of river and harbor works; for Duluth-Superior Harbor.]

No.	Name and address of bidder.	For rubble stone in place around the cribs, etc., per ton of 2,000 pounds.
1	Great Lakes Dredge & Dock Co., Duluth, Minn. ....	1 \$1.25

<sup>1</sup> Accepted.

*Abstract of bids received for the purchase of 1,200 piles, more or less, and opened at Duluth, Minn., by Lieut. Col. Graham D. Fitch, Corps of Engineers, at noon, Nov. 3, 1909.*

[Appropriation: Improving harbor at Duluth, Minn., and Superior, Wis.]

No.	Names and addresses of bidders.	For piling, per linear foot.	For cut-off piles, per M feet.
1	Martin Bros., Duluth, Minn.....	\$0.06 <sup>1</sup>	\$9.00
1 2	Rogers-Ruger Lumber Co., Superior, Wis.....		9.50

<sup>1</sup> Informal bid.

All bids rejected as being too low.

*Abstract of bids received for furnishing and delivering f. o. b. cars on dock at Itasca-Superior, Wis., one rotary cutter head for a 15-inch suction dredge and one double engine for rotating same, and opened at Duluth, Minn., by Lieut. Col. Graham D. Fitch, Corps of Engineers, at noon, Jan. 20, 1910.*

[Appropriation: Preservation and maintenance of river and harbor works; for Duluth-Superior Harbor.]

No.	Names and addresses of bidders.	For one rotary cutter head, etc.
1	Atlantic Equipment Co., 30 Church Street, New York.....	\$2,700
2	Wetherill Bros. Machine Co., Chester, Pa.....	3,800
3	Ellicott Machine Co., Bush and Severn Streets, Baltimore, Md.....	3,000

All three bids were informal, not in accordance with the specifications, and rejected as unsatisfactory. Contract made February 28, 1910, with Ellicott Machine Co., Baltimore, Md., for furnishing dredging outfit complete, at \$5,480.

The award was made to the lowest responsible bidder for the best and most suitable article.

*Abstract of bids received for furnishing and delivering steel plate at Duluth, Minn., and opened at Duluth, Minn., by Lieut. Col. Graham D. Fitch, Corps of Engineers, at noon, Mar. 10, 1910.*

[Appropriation: Improving harbor at Agate Bay, Minn.]

No.	Names and addresses of bidders.	For 25,350 pounds, more or less, of steel plate, per pound.
1	Gogebie Steam Boiler Works, Duluth, Minn.....	<sup>1</sup> \$2.22
2	Northwestern Steam Boiler and Manufacturing Co., Duluth, Minn.....	<sup>2</sup> 784.00
3	National Iron Co., Duluth, Minn.....	<sup>3</sup> 3.09
		2.42

<sup>1</sup> Accepted.

Total.

<sup>3</sup> Approximate.

*Abstract of bids received for furnishing 4,000 cubic yards of pebbles for Superior Entry, Wis., and opened at Duluth, Minn., by Lieut. Col. Graham D. Fitch, Corps of Engineers, at noon, Mar. 19, 1910.*

[Appropriation: Preservation and maintenance of river and harbor works for Duluth-Superior Harbor.]

No.	Name and address of bidder.	For 4,000 cubic yards pebbles, per cubic yard.
1	Whitney Bros. Co., Superior, Wis.....	<sup>1</sup> \$1.00

<sup>1</sup> Accepted.

*Abstract of bids received for furnishing 10,000 barrels of American Portland cement for Superior Entry, Wis., and opened at Duluth, Minn., by Lieut. Col. Graham D. Fitch, Corps of Engineers, at noon, Mar. 24, 1910.*

No.	Names and addresses of bidders.	Price per barrel delivered in United States warehouse.	Less for each empty sack.	Brand of cement.
1	Atlas Portland Cement Co., New York City.....	\$1.58	\$0.7½	Atlas.
2	Universal Portland Cement Co., Chicago, Ill.....	1.54	.10	Universal.
3	D. G. Cutler Co., Duluth, Minn.....	1.48	.10	Huron.

*Abstract of bids received at Duluth, Minn., Apr. 19, 1910, by Lieut. Col. Graham D. Fitch, Corps of Engineers, for dredging at Ontonagon, Mich.*

[Appropriation: Preservation and maintenance of river and harbor works for Ontonagon, Mich.]

No.	Names and addresses of bidders.	Price per cubic yard (scow measurement).	Remarks.
1	Northern Dredge & Dock Co., Duluth, Minn..	<sup>1</sup> \$0.15½	Has no plant available. Will have no plant available for at least three weeks. Plant will not be available for several weeks; could not offer bid for work until that time.
2	Duluth-Superior Dredging Co., Duluth, Minn..		
3	Great Lakes Dredge & Dock Co., Duluth, Minn..		
4	Zenith Dredge Co., Duluth, Minn.....		

<sup>1</sup> Accepted.

*Abstract of bids received for dredging in Duluth-Superior Harbor and opened at Duluth, Minn., noon, Apr. 25, 1910, by Lieut. Col. Graham D. Fitch.*

[Appropriation: Preservation and maintenance of river and harbor works for Duluth-Superior Harbor.]

No.	Names and addresses of bidders.	Per cubic yard (scow measurement).
1	Zenith Dredge Co., Duluth, Minn.....	\$0.14
2	Great Lakes Dredge & Dock Co., Chicago, Ill.....	.15½
3	Duluth-Superior Dredging Co., Duluth, Minn.....	1.12½

<sup>1</sup> Accepted.

*Abstract of bids received for dredging about 50,000 cubic yards at Grand Marais, Mich., and opened at Duluth, Minn., noon, Thursday, May 12, 1910, by Lieut. Col. Graham D. Fitch.*

[Appropriation: Harbor of refuge at Grand Marais, Mich.]

No.	Names and addresses of bidders.	Per cubic yard (scow measurement).
1	Northern Dredge & Dock Co., Duluth, Minn.....	\$0.24
2	Great Lakes Dredge & Dock Co., Duluth, Minn.....	.23½
3	Edward Bros. Dredge Co., Sault Ste. Marie, Mich.....	1.22
4	Zenith Dredge Co., Duluth, Minn.....	.23

<sup>1</sup> Accepted.

## 140 MATERIALS AND LABOR FOR ENGINEER DEPARTMENT.

*Abstract of bids received for furnishing and placing about 2,000 tons of riprap and crib filling at the Grand Marais (Mich.), entrance piers, and opened at Duluth, Minn., noon, May 20, 1910, by Lieut. Col. Graham D. Fitch.*

[Appropriation: Harbor of refuge at Grand Marais, Mich.]

No.	Name and address of bidder.	For rock delivered in place per ton of 2,000 pounds.
1	Great Lakes Dredge & Dock Co., Chicago, Ill.....	\$4.90

Bid rejected as being too high.

*Abstract of bids received for building rubble mound breakwater at Superior Entry, Wis., and opened at Duluth, Minn., noon, May 25, 1910, by Lieut. Col. Graham D. Fitch.*

[Appropriation: Preservation and maintenance of river and harbor works for Duluth-Superior Harbor.]

No.	Name and address of bidder.	Per 2,000-pound ton delivered in place in the breakwater.	
		Quarry run.	10 tons and greater.
1	Great Lakes Dredge & Dock Co., Chicago, Ill.....	\$1.60	\$1.60

Recommended for acceptance.

*Abstract of bids received for furnishing 500 cubic yards (more or less) of rock for Government piers at Grand Marais, Mich., and opened by Lieut. Col. G. D. Fitch, Corps of Engineers, Duluth, Minn., May 30, 1910.*

[Appropriation: Harbor of refuge at Grand Marais, Mich.]

No.	Name and address of bidder.	Rock filling delivered in pier, per cubic yard, 500 yards, more or less.
1	Barney & Wigman, Grand Marais, Mich.....	\$2.00

Accepted.

## MILWAUKEE (WIS.) DISTRICT.

[Officer: Maj. Chas. S. Bromwell, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for dredging 62,500 cubic yards, approximately, at Green Bay Harbor, Wis., received in response to 10-day advertisement by poster and circular letter dated Apr. 18, 1910, opened Apr. 28, 1910, by Maj. Chas. S. Bromwell, Corps of Engineers, at Milwaukee, Wis.*

[Appropriations: Improving harbor at Green Bay, Wis., and allotment from appropriation for emergencies in river and harbor works, section 2, act of March 3, 1909.]

No.	Names and addresses of bidders.	Price per cubic yard.	Total.
1	Samuel O. Dixon, Milwaukee, Wis.....	\$0.18	\$11,250.00
2	Ernst Schmidt, Sheboygan, Wis.....	.19½	12,187.50
3	Greiling Bros. Co., Green Bay, Wis.....	.16½	10,562.50
4	Chas. Simono, Two Rivers, Wis.....	.21	13,125.00

Contract was entered into with Greiling Bros. Co., May 2, 1910.

*Abstract of proposals for dredging 20,000 cubic yards, more or less, at Sheboygan Harbor, Wis., received in response to 10-day advertisement by poster and circular letter, dated July 20, 1909, opened July 30, 1909, by Maj. Chas. S. Bromwell, Corps of Engineers, at Milwaukee, Wis.*

[Appropriation: Improving harbor at Sheboygan, Wis., and allotment from appropriation for preservation and maintenance of river and harbor works, act March 3, 1909.]

No.	Names and addresses of bidders.	Price per cubic yard.	Total.
1	Samuel O. Dixon, Milwaukee, Wis.....	\$0.18½	\$3,700
2	Ernst Schmidt, Sheboygan, Wis.....	.18	3,600

Contract entered into with Ernst Schmidt, August 2, 1909.

*Abstract of proposals for construction of concrete superstructure on breakwater at Milwaukee Harbor, Wis., received in response to 10-day advertisement by poster and circular letter, dated July 20, 1909, opened July 30, 1909, by Maj. Chas. S. Bromwell, Corps of Engineers, at Milwaukee, Wis.*

[Appropriation: Improving harbor at Milwaukee, Wis., maintenance and rebuilding breakwater.]

	William H. Gillen, Milwaukee, Wis.	
Removing old superstructure and leveling cribs (60 linear feet).....	per linear foot..	\$10.00
1,500 feet b. m. pine timber.....	per M feet b. m.	60.00
200 pounds wrought iron or steel drift bolts.....	per pound..	.05
127 cubic yards concrete blocks.....	per cubic yard..	9.50
232 cubic yards concrete in place.....	do.....	9.00
Total.....		3,994.50

Contract entered into with William H. Gillen, August 2, 1909.

*Abstract of proposals for construction of lockmaster's dwelling at Little Kaukauna Lock, Wis., received in response to 10-day advertisement by poster and circular letter dated Apr. 2, 1910, opened Apr. 11, 1910.*

[Appropriation: Operating and care of canals and other works of navigation, indefinite, applied to Fox River, Wisconsin.]

No.	Names and addresses of bidders.	Total of bid.
1	Albert Luckow & John Coppes, South Kaukauna, Wis.....	\$3,075
2	George Ashman, Appleton, Wis.....	3,385

Contract was entered into with Albert Luckow & John Coppes dated April 18, 1910.



## CHICAGO (ILL.) DISTRICT.

[Officer: Maj. Thos. H. Rees, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for construction of concrete superstructure, steel sheeting, etc., at Michigan City Harbor, Ind., received in response to advertisement dated May 19, 1910, and opened at Chicago, Ill., at 10 a. m., June 20, 1910, by Maj. Thos. H. Rees, Corps of Engineers.*

Materials.	Quantities.	(1) The Fitz Simons & Connell Co., Chicago, Ill.		(2) Great Lakes Dredge & Dock Co., Chicago, Ill.	
		Unit price.	Amount.	Unit price.	Amount.
Preparing foundation for concrete superstructure, per linear foot.....	100	\$5. 00	\$500. 00	\$6. 00	\$600. 00
White-oak plank..... per M feet b. m.....	700	80. 00	56. 00	65. 00	45. 50
Pine timber..... do.....	3,300	70. 00	231. 00	60. 00	198. 00
White-oak piles, 50 feet..... each.....	26	20. 00	520. 00	25. 00	650. 00
Interlocking steel sheeting..... per linear foot.....	250	22. 00	5,500. 00	30. 00	7,500. 00
Steel screw bolts and tie rods..... per pound.....	3,580	. 05	179. 00	. 06	214. 80
Steel drift bolts and mooring bolts..... do.....	420	. 05	21. 00	. 05	21. 00
Steel staples..... per 100.....	150	5. 00	7. 50	3. 00	4. 50
Wrought-iron spikes..... per pound.....	500	. 04	20. 00	. 04	20. 00
Wire rope..... per linear foot.....	360	. 05	18. 00	. 15	54. 00
Rip-rap stone..... per cord of 128 cubic feet.....	60	12. 00	720. 00	10. 00	600. 00
Spall or gravel filling..... per cubic yard.....	150	2. 00	300. 00	2. 00	300. 00
Concrete in mass..... do.....	660	12. 00	7,920. 00	10. 50	6,930. 00
Use of dredge with outfit complete..... per hour.....	20	25. 00	500. 00	25. 00	500. 00
Total cost.....			16,492. 50		17,637. 80

*Abstract of proposals for dredging in Calumet River, Ill., received in response to advertisement dated Mar. 25, 1910, and opened at Chicago, Ill., at 10 a. m., Apr. 25, 1910, by Maj. Thos. H. Rees, Corps of Engineers.*

No.	Names and addresses of bidders.	Dredging 445,000 cubic yards, at and near The Forks (place measurement).					
		A.		B.		C.	
		Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.
		<i>Cents.</i>		<i>Cents.</i>		<i>Cents.</i>	
1	Buffalo Dredging Co., Buffalo, N. Y.....						
2	Samuel O. Dixon, Milwaukee, Wis.....	24	\$106,800	28	\$124,600	23	\$102,350
3	Duluth-Superior Dredging Co., Duluth, Minn.....	23	102,350	28	124,600	24	106,800
4	The Fitz Simons & Connell Co., Chicago, Ill.....			30	133,500	25	111,250
5	Great Lakes Dredge & Dock Co., Chicago, Ill.....	22.8	101,460	27	120,150	22.8	101,460

No.	Names and addresses of bidders.	Dredging 255,000 cubic yards, below The Forks (place measurement).						Total.
		A.		B.		C.		
		Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	
1	Buffalo Dredging Co., Buffalo, N. Y.	<i>Cents.</i>		<i>Cents.</i>		<i>Cents.</i>		
2	Samuel O. Dixon, Milwaukee, Wis.	25	\$63,750	28	71,400	25	63,750	\$166,100
3	Duluth-Superior Dredging Co., Duluth, Minn.	24	61,200	29	73,950	24	61,200	163,550
4	The Fitz Simons & Connell Co., Chicago, Ill.			30	76,500	25	63,750	175,000
5	Great Lakes Dredge & Dock Co., Chicago, Ill.	23.5	59,925	27.5	70,125	23.5	59,925	161,385

A. Disposed of on adjacent shore.

B. Disposed of in 50 feet of water in lake.

C. Disposed of along shore and not more than 2 miles from mouth of river.

*Abstract of proposals for dredging and rock excavation in Chicago River, Ill., received in response to advertisement dated Jan. 20, 1910, and opened at Chicago, Ill., at 10 a. m., Feb. 23, 1910, by Maj. Thos. H. Rees, Corps of Engineers.*

No.	Names and addresses of bidders.	Dredging 1,000 cubic yards (scow measurement).		Rock excavation 5,000 cubic yards (place measurement).		Total.
		Unit price.	Amount.	Unit price.	Amount.	
1	Buffalo Dredging Co., Buffalo, N. Y. ....	\$0.70	\$700.00	\$8.00	\$40,000.00	\$40,700.00
2	Standard Construction Co., Chicago, Ill. ....	.38	380.00	6.45	32,250.00	32,630.00
3	The Fitz Simons & Connell Co., Chicago, Ill. ....	.40	400.00	6.50	32,500.00	32,900.00
4	Great Lakes Dredge & Dock Co., Chicago, Ill. ....	.35	350.00	5.35	26,750.00	27,100.00

*Abstract of proposals for dredging in harbor at Michigan City, Ind., received in response to advertisement dated Dec. 1, 1909, and opened at Chicago, Ill., at 10 a. m., Jan. 4, 1910, by Maj. Thos. H. Rees, Corps of Engineers.*

No.	Names and addresses of bidders.	Dredging 100,000 cubic yards (scow measurement).		Removal of wreckage, etc., 1,000 feet b. m.	Total.
		Unit price.	Amount.		
1	Samuel O. Dixon, Milwaukee, Wis. ....	\$0.19	\$19,000.00	\$17.50	\$19,017.50
2	Buffalo Dredging Co., Buffalo, N. Y. ....	.20	20,000.00	30.00	20,030.00
3	Charles Simons, Two Rivers, Wis. ....	.1425	14,250.00	9.00	14,259.00
4	Greiling Bros. Co., Green Bay, Wis. ....	.145	14,500.00	10.00	14,510.00
5	Standard Construction Co., Chicago, Ill. ....	.11	11,000.00	15.00	11,015.00
6	The Fitz Simons & Connell Co., Chicago, Ill. ....	.1225	12,250.00	15.00	12,265.00
7	Great Lakes Dredge & Dock Co., Chicago, Ill. ....	.109	10,900.00	15.00	10,915.00

# GRAND RAPIDS (MICH.) DISTRICT.

[Officer: Maj. C. S. Riche, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of bids for dredging at White Lake and Pentwater harbors, Michigan, received and opened July 9, 1909, in accordance with circular dated July 2, 1909, by Maj. Charles Keller, Corps of Engineers.*

No.	Names and addresses of bidders.	At White Lake.		At Pentwater.		Grand total.
		12,000 cubic yards, per cubic yard.	Approximate total.	13,000 cubic yards, per cubic yard.	Approximate total.	
1	Samuel O. Dixon, Milwaukee, Wis. ....	\$0.25	\$3,000.00	\$0.25	\$3,250.00	\$6,250.00
2	Greiling Bros. Co., Green Bay, Wis. ....	.25½	3,000.00	.25½	3,315.00	6,375.00
3	Great Lakes Dredge & Dock Co., Chicago, Ill. ....	.30	3,600.00	.30	3,900.00	7,500.00

<sup>1</sup> Contract entered into July 20, 1909.

*Abstract of bids for repair of north pier, "Improving harbor at Muskegon, Mich.," received and opened on Aug. 11, 1909, in accordance with circular dated July 27, 1909, by Maj. Charles Keller, Corps of Engineers.*

No.	Names and addresses of bidders.	Cutting down and removing old work (352 linear feet), per linear foot.	To furnish the following material and to secure it in the work:				Approximate total.
			Pine or Douglas fir timber (107,622 feet b. m.), per M feet b. m.	Pine or Douglas fir plank (25,617 feet b. m.), per M feet b. m.	Drift bolts (14,928 pounds), per pound.	Spikes (1,131 pounds), per pound.	
1	Burk, Smith & Nelson, Muskegon, Mich.....	\$2.90	\$36.00	\$35.00	\$0.04	\$0.04	\$6,434.15
2	Robert Love, Muskegon, Mich.....	3.00	38.00	36.00	.03½	.03½	6,629.92
3	Bennett & Schnorrbach, Muskegon, Mich.....	5.00	39.00	34.00	.03½	.03½	7,390.31

<sup>1</sup> Accepted; contract entered into Aug. 26, 1909.

*Abstract of bids for furnishing stone, "Improving harbor at Holland, Mich.," received and opened on Aug. 30, 1909, in accordance with circular dated Aug. 20, 1909, by Maj. Charles Keller, Corps of Engineers.*

No.	Names and addresses of bidders.	3,600 tons, per ton.	Total.	Remarks.
1	The Green Stone & Quarrying Co., Sawyer, Wis.	\$2.90	\$10,440.00	Modified specifications by withdrawing penalty clause (par. 5), cancellation of delivery, etc. (par. 14), and reducing weight of stone from 3 to 10 tons to ½ to 4 tons (par. 17).
2	Johnson & Rasch, Sturgeon Bay, Wis.	3.25	11,700.00	Bid based on displacement measurement.
3	Thomas H. Smith, Sturgeon Bay, Wis.	3.37	12,132.00	Modified specifications by withdrawing penalty clause (par. 5), and reducing weight of stone from 3 to 10 tons to 1 to 5 tons (par. 17).

<sup>1</sup> Accepted; emergency contract entered into Sept. 10, 1909.

*Abstract of bids, "Preservation and maintenance of river and harbor works, for Muskegon Harbor, Mich.," repair of south pier, received and opened Nov. 22, 1909, in accordance with circular dated Nov. 12, 1909, by Maj. Charles Keller, Corps of Engineers.*

No.	Names and addresses of bidders.	To furnish the following material and to secure it in the work:				Approximate total.
		Oak piles (1,846 linear feet), per linear foot.	Pine timber (6,300 feet b. m.), per M feet b. m.	Tie-rods (7,400 pounds), per pound.	Screw bolts (780 pounds), per pound.	
1	Burk, Smith & Nelson, Muskegon, Mich.....	\$0.45	\$45.00	\$0.05	\$0.05	\$1,523.20
2	L. G. Smith & Co., Muskegon, Mich.....	.90	70.00	.06	.06	2,593.20
3	Columbian Construction Co., Muskegon, Mich..	1.00	50.00	.06	.06	2,651.80
4	Robert Love, Muskegon, Mich.....	1.00	70.00	.05	.05	2,696.00

<sup>1</sup> Accepted; emergency contract entered into Nov. 23, 1909.

*Abstract of bids on account of appropriations: Improving St. Joseph Harbor and River, Mich. (for St. Joseph Harbor); harbor at South Haven, Mich.; harbor at Saugatuck and Kalamazoo River, Mich.; harbor at Holland, Mich.; harbor at Grand Haven, Mich.; Grand River, Mich.; harbor at Muskegon, Mich.; harbors at Pentwater and White Lake, Mich. (for Pentwater and White Lake Harbors); harbor at Ludington, Mich.; harbor at Manistee, Mich.; harbor of refuge at Portage Lake, Mich.; harbor at Frankfort, Mich.; and harbor at Charlevoix, Mich.; for furnishing coal during the year 1910, for United States dredge "Gen. Meade" and United States dredges on Grand River, Mich., received and opened Mar. 7, 1910, in accordance with public notice circular dated Feb. 25, 1910, by Maj. Charles Keller, Corps of Engineers.*

No.	Place of delivery and names and addresses of bidders.	Youghiogheny gas, pool 2, per ton.	West Virginia, per ton.	Hocking Valley, per ton.	Saginaw, per ton.	Pittsburg No. 8, per ton.	Remarks.
	<i>Deliver at St. Joseph, South Haven, Grand Haven, and Muskegon, Mich.</i>						
1	Century Fuel Co., Grand Rapids, Mich.	\$3.23	\$3.20	\$2.85	\$2.85	\$2.80	Recommended for acceptance. Subject to strike conditions.
2	A. B. Knowlson, Grand Rapids, Mich.	3.25	3.15	2.90	3.10	2.80	
	<i>Deliver at Ottawa Beach, Mich.</i>						
1	Century Fuel Co., Grand Rapids, Mich.	3.33	3.30	2.95	2.85	2.85	Reduction of 10 cents per ton after June 15. Recommended for acceptance. Subject to strike conditions.
2	A. B. Knowlson, Grand Rapids, Mich.	3.25	3.15	2.90	3.10	2.80	
	<i>Deliver at Ludington, Manistee, Frankfort, and Charlevoix, Mich.</i>						
1	Century Fuel Co., Grand Rapids, Mich.	3.43	3.40	3.05	2.85	3.00	Recommended for acceptance.
2	A. B. Knowlson, Grand Rapids, Mich.						
	At Ludington and Manistee, Mich.	3.45	3.35	3.10	2.95	3.00	Subject to strike conditions. Do. Do.
	At Frankfort, Mich.	3.45	3.35	3.10	3.35	3.00	
	At Charlevoix, Mich.	3.60	3.50	3.25	3.15	3.15	
	<i>Deliver at Grand Rapids, Mich., at landing near Wealthy Avenue.</i>						
1	Century Fuel Co., Grand Rapids, Mich.	3.50	3.45	3.35	3.10	3.15	Recommended for acceptance. Subject to strike conditions.
2	A. B. Knowlson, Grand Rapids, Mich.	3.65	3.55	3.30	3.35	3.20	
	<i>Deliver at Grandville, Mich.</i>						
1	Century Fuel Co., Grand Rapids, Mich.	3.65	3.60	3.50	3.35	3.30	Recommended for acceptance. Subject to strike conditions.
2	A. B. Knowlson, Grand Rapids, Mich.	3.90	3.80	3.55	3.75	3.45	

<sup>1</sup>Accepted; contract entered into Mar. 25, 1910.

*Abstract of bids on account of appropriations: "Improving harbor at Grand Haven, Mich." and "Preservation and maintenance of river and harbor works for Grand Haven Harbor, Mich.," for repairs of south revetment, received and opened Apr. 29, 1910, in accordance with advertisement dated Mar. 30, 1910, by Maj. C. S. Riché, Corps of Engineers.*

No.	Names and addresses of bidders.	Cutting down and removing old work (1,635 linear feet), per linear foot.	To furnish the following material and to secure it in the work at rates as follows:					
			Oak piles 673,518 linear feet), per linear foot.	Oak timber (32,639 feet b. m.), per M feet b. m.	Pine or Douglas fir timber (389,645 feet b. m.), per M feet b. m.	Pine or Douglas fir plank for sheet piles (4,460 feet b. m.), per M feet b. m.	Pine or Douglas fir plank for walk (26,514 feet b. m.), per M feet b. m.	Drift bolts (59,608 pounds), per pound.
1	J. E. Hathaway & Co., Milwaukee, Wis.....	\$1.50	\$0.34	\$70.00	\$42.00	\$45.00	\$40.00	\$0.03
2	Greiling Bros. Co., Green Bay, Wis.....	2.50	.36	65.00	42.50	45.00	40.00	.05
3	Muskegon Dock & Dredging Co., Muskegon, Mich.	3.00	.42	70.00	45.00	70.00	45.00	0.4
4	William H. Gillen, Milwaukee, Wis.....	4.60	.39	75.00	50.00	50.00	50.00	.03
5	M. Rabbitt & Sons, Toledo, Ohio.....	3.00	.52½	55.00	55.00	55.00	55.00	.05½

No.	Names and addresses of bidders.	To furnish the following material and to secure it in the work at rates as follows:						Approximate total.
		Screw bolts (55,232 pounds), per pound.	Angle irons (51,610 pounds), per pound.	Tie-rods (33,521 pounds), per pound.	Spikes (1,178 pounds), per pound.	Carriage bolts (127 pounds), per pound.	Pile shoes (1,350 pounds), per pound.	
1	J. E. Hathaway & Co., Milwaukee, Wis.....	\$0.05	\$0.05	\$0.03	\$0.04	\$0.05	\$0.05	\$55,616.64
2	Greiling Bros. Co., Green Bay, Wis.....	.06	.07	.06	.05	.06	.10	62,616.48
3	Muskegon Dock & Dredging Co., Muskegon, Mich.	.04½	.06	.04½	.05	.07	.15	66,851.74
4	William H. Gillen, Milwaukee, Wis.....	.04	.04	.05	.05	.05	.0	67,542.62
5	M. Rabbitt & Sons, Toledo, Ohio.....	.05½	.05½	.05½	.05½	.05½	.05½	79,575.57

<sup>1</sup> Accepted; contract entered into May 11, 1910.

*Abstract of bids on account of appropriation "Preservation and maintenance of river and harbor works," for repair of piers at Pentwater, Mich., received and opened June 3, 1910, in accordance with advertisement dated May 5, 1910, by Maj. C. S. Riché, Corps of Engineers.*

No.	Names and addresses of bidders.	Cutting down and removing old work (268 linear feet), per linear foot.	To furnish the following material and to secure it in the work, at rates as follows:					
			Oak piles (4,532 linear feet), per linear foot.	Oak timber (5,125 feet b. m.), per M feet b. m.	Pine or Douglas fir timber (31,293 feet b. m.), per M feet b. m.	Hemlock timber (1,020 feet b. m.), per M feet b. m.	Pine or Douglas fir plank (2,753 feet b. m.), per M feet b. m.	Drift bolts (4,880 pounds), per pound.
1	Muskegon Dock & Dredging Co., Muskegon, Mich. <sup>1</sup>	\$1.50	\$0.36	\$70.00	\$45.00	\$35.00	\$40.00	\$0.04
2	Greiling Bros. Co., Green Bay, Wis.....	3.00	.45	75.00	58.00	50.00	50.00	.05
3	M. Rabbitt & Sons, Toledo, Ohio.....	6.00	.50	65.00	55.00	55.00	55.00	.07

<sup>1</sup> Accepted; contract entered into June 21, 1910.

*Abstract of bids on account of appropriation "Preservation and maintenance of river and harbor works," for repair of piers at Pentwater, Mich.—Continued.*

No.	Names and addresses of bidders.	To furnish the following material and to secure it in the work, at rates as follows:							Approximate total.
		Angle irons (4,290 pounds), per pound.	Tie-rods (4,058 pounds), per pound.	Spikes (160 pounds), per pound.	Dredging (1,800 cubic yards), per cubic yard.	Stone.			
						3-ton (11 cords), per cord.	300-pound (225 cords), per cord.	100-pound (74 cords), per cord.	
1	Muskegon Dock & Dredging Co., Muskegon, Mich. <sup>1</sup>	\$0.07	\$0.04	\$0.05	\$0.50	\$18.00	\$9.00	\$9.00	\$8,593.29
2	Greiling Bros. Co., Green Bay, Wis.	.06	.06	.05	.40	18.00	15.00	12.00	11,453.59
3	M. Rabbitt & Sons, Toledo, Ohio.	.08	.06	.06	.95	108.80	54.40	31.25	24,917.32

<sup>1</sup> Accepted; contract entered into June 21, 1910.

### DETROIT (MICH.) DISTRICT.

[Officer: Col. C. McD. Townsend, Corps of Engineers.]

#### RIVERS AND HARBORS.

*Abstract of proposals for furnishing cement, received in response to public notice dated June 22, 1909, and opened July 6, 1909.*

[Appropriation: Improving St. Marys River, Mich., general improvement.]

No.	Names and addresses of bidders.	Brand.	Price.		Aggregate.
			Per barrel.	Sacks.	
1	F. B. Spear & Sons, Marquette, Mich.	Huron	\$0.965	\$0.10	\$3,860.00
2	The Hecla Co., Detroit, Mich.	Hecla	1.015	.10	4,060.00
3	F. B. Spear & Sons, Marquette, Mich. <sup>1</sup>	Atlas	1.13875	.07½	4,555.00
4	Alpha Portland Cement Co., Chicago, Ill.	Alpha	1.14	.07½	4,520.00
5	Newaygo Portland Cement Co., Grand Rapids, Mich.	Newaygo	1.35	.10	5,400.00
6	Lehigh Portland Cement Co., Cleveland, Ohio	Lehigh	1.44	.07½	5,760.00
7	Universal Portland Cement Co., Chicago, Ill.	Universal	1.53	.10	6,120.00

<sup>1</sup> Contract entered into July 31, 1909.

*Abstract of proposals for dredging Bar Point Shoals, Detroit River, received in response to advertisement dated June 12, 1909, and opened July 12, 1909.*

[Appropriation: Improving Detroit River, Mich., general improvement.]

No.	Names and addresses of bidders.	405,000 cubic yards.	
		Unit price.	Total.
1	G. H. Breymann & Bro., Toledo, Ohio. <sup>1</sup>	\$0.27	\$109,350
2	The Standard Contracting Co., Cleveland, Ohio.	.30½	123,525
3	Edward Bros. Dredge Co., Sault Ste. Marie, Mich.	.31	125,550
4	Buffalo Dredging Co., Buffalo, N. Y.	.31½	127,575

<sup>1</sup> Contract entered into Aug. 5, 1909.



*Abstract of proposals for dredging Saginaw River, Mich., received in response to advertisement dated June 25, 1909, and opened July 26, 1909.*

[Appropriations: Improving Saginaw River, Mich., general improvement and preservation and maintenance of river and harbor works. allotment for Saginaw River, Mich.]

No.	Names and addresses of bidders.	Estimated quantities.		Total.
		River section (10,000 cubic yards.) <sup>1</sup>	Bay section (110,000 cubic yards.) <sup>1</sup>	
1	G. H. Breymann & Bro., Toledo, Ohio. <sup>2</sup>	\$0.25	\$0.18	\$22,300
2	Great Lakes Dredge & Dock Co., Chicago, Ill.	.25	.23	27,800
3	James Davidson, West Bay City, Mich.	.25	.25	30,000
4	Central Dredging Co., Cleveland, Ohio.	.30	.24 <sup>3</sup>	<sup>3</sup> 30,225
5	Edward Bros., Sault Ste. Marie, Mich.	.40	.24	30,400
6	Standard Contracting Co., Cleveland, Ohio.	.35	.25	<sup>3</sup> 31,000

<sup>1</sup> Price per cubic yard (scow measure.)<sup>2</sup> Contract entered into Aug. 16, 1909.<sup>3</sup> No evidence of authority of signer to bind the company.*Abstract of proposals for excavating a lock put at St. Marys Falls Canal, Mich., received in response to advertisement dated June 28, 1909, and opened July 28, 1909.*

[Appropriation: Improving St. Marys River, Mich., new lock and canal.]

No.	Names and addresses of bidders.	Class A. (151,500 cubic yards.)	Class B. (242,500 cubic yards.)	Channeling rock (139,000 square feet).	Total.
1	John Marsch, Chicago, Ill. <sup>1</sup>	\$0.47 <sup>1</sup>	\$0.93 <sup>1</sup>	\$0.29 <sup>1</sup>	\$339,705.00
2	Great Lakes Dredge & Dock Co., Chicago, Ill.	.45	1.08	.30	371,775.00
3	The Breakwater Co., Cleveland, Ohio.	.48 <sup>1</sup>	1.23	.30	<sup>2</sup> 413,452.50
4	MacArthur Bros. Co., Chicago, Ill.	.60	1.18	.35	425,700.00
5	Coast & Interior Contracting Co., Fayetteville, N. Y.	.75	1.17	.30	<sup>2</sup> 439,050.00
6	William J. Newman and John P. Conrick, Chicago, Ill., and Sault Ste. Marie, Mich.	.60	1.26	.35	445,100.00
7	H. E. Talbot Co., Dayton, Ohio.	.90	1.18	.30	464,200.00
8	Grant Smith & Co., and Locher, Grosse Ile, Mich.	.72	1.62	.42	560,310.00

<sup>1</sup> Contract entered into Aug. 21, 1909.<sup>2</sup> No evidence of authority to bind company.*Abstract of proposals for furnishing cement, received in response to public notice dated Sept. 15, 1909, and publicly opened Sept. 25, 1909.*

[Appropriation: Improving St. Marys River, Mich., general improvement.]

No.	Names and addresses of bidders.	Brand.	Price per barrel.		Total.
			250 barrels with sacks.	4,750 barrels without sacks.	
1	F. B. Spear & Sons, Marquette, Mich.	Huron	\$1.34	\$0.94	\$4,800
2	The Hecla Co., Detroit, Mich.		1.44	1.04	5,300
3	Alpha Portland Cement Co., Chicago, Ill. <sup>1</sup>		1.37	1.07	5,425
4	Elk Cement & Lime Co., Elk Rapids, Mich.		1.50 <sup>1</sup>	1.10 <sup>1</sup>	5,625
5	F. B. Spear & Sons, Marquette, Mich.	Atlas	1.42	1.12	5,675
6	Universal Portland Cement Co., Chicago, Ill.		1.75	1.35	6,850

<sup>1</sup> Contract entered into Oct. 25, 1909.

*Abstract of proposals for furnishing cement, received in response to public notice dated Oct. 15, 1909, and publicly opened Oct. 25, 1909.*

[Appropriation: Improving St. Marys River, Mich., general improvement.]

No.	Names and addresses of bidders.	Brand.	Price per barrel.		Total.
			250 barrels with sacks.	4,750 barrels without sacks.	
1	F. B. Spear & Sons, Marquette, Mich.....	Huron..	\$1.39	\$0.99	\$5,050
2	Alpha Portland Cement Co., Chicago, Ill. <sup>1</sup> .....		1.37	1.07	5,425
3	F. B. Spear & Sons, Marquette, Mich.....	Atlas....	1.42	1.12	5,675
4	Lehigh Portland Cement Co., Cleveland, Ohio.....		1.52	1.22	6,175

<sup>1</sup> Contract entered into Nov. 9, 1909.

*Abstract of proposals for furnishing cement, received in response to public notice dated Dec. 1, 1909, and publicly opened Dec. 11, 1909.*

[Appropriation: Improving St. Marys River, Mich., general improvement.]

No.	Names and addresses of bidders.	Brand.	Price per barrel.		Total.
			200 barrels with sacks.	3,800 barrels without sacks.	
1	F. B. Spear & Sons, Marquette, Mich.....	Huron....	\$1.45	\$1.05	\$4,280
2	Lehigh Portland Cement Co., Cleveland, Ohio <sup>1</sup> .....	Lehigh....	1.47	1.17	4,740
3	N. G. De Haas, Marquette, Mich.....	Hecla....	1.59	1.19	4,840
4	F. B. Spear & Sons, Marquette, Mich.....	Atlas....	1.62	1.32	5,340
5	Alpha Portland Cement Co., Chicago, Ill.....	Alpha....	1.65	1.35	5,460

<sup>1</sup> Contract entered into Dec. 21, 1909.

*Abstract of proposals for furnishing and delivering about 15 tons of rods, etc., received in response to public notice dated Dec. 3, 1909, and opened Dec. 15, 1909.*

[Appropriation: Improving St. Marys River, Mich., new lock and canal.]

No.	Names and addresses of bidders.	Tie rods (23,200 pounds).		Plate washers (1,800 pounds).		Nuts (600 pounds).	
		Unit price. <sup>1</sup>	Amount.	Unit price. <sup>1</sup>	Amount.	Unit price. <sup>1</sup>	Amount.
1	Michigan Bolt & Nut Works, Detroit, Mich.....	Cents. 2.95	\$684.40	Cents. 3.50	\$63.00	Cents. 5.00	\$30.00
2	Minneapolis Steel & Machine Co., Minneapolis, Minn. <sup>2</sup> .....	3.50	812.00	3.50	63.00	6.00	36.00
3	Soo Hardware Co., Sault Ste Marie, Mich.....	3.38	784.16	3.88	69.84	5.05	30.30
4	J. & J. B. Milholland, Pittsburg, Pa.....	3.40	788.80	4.00	72.00	5.10	30.60
5	G. & W. Manufacturing Co., New York, N. Y.....	4.90	1,136.80	2.90	52.20	7.00	42.00

No.	Names and addresses of bidders.	Cleviss nuts (176).		Cotter pins (176).		Total.
		Unit price. <sup>3</sup>	Amount.	Unit price. <sup>3</sup>	Amount.	
1	Michigan Bolt & Nut Works, Detroit, Mich.....	\$1.95	\$343.20	Cents. 30	\$52.80	\$1,173.40
2	Minneapolis Steel & Machine Co., Minneapolis, Minn. <sup>2</sup> .....	1.60	281.60	35	61.60	1,254.20
3	Soo Hardware Co., Sault Ste Marie, Mich.....	2.03	357.28	31	54.56	1,296.14
4	J. & J. B. Milholland, Pittsburg, Pa.....	2.10	369.60	35	61.60	1,322.60
5	G. & W. Manufacturing Co., New York, N. Y.....	2.00	352.00	50	88.00	1,671.00

<sup>1</sup> Per pound.

<sup>2</sup> Contract entered into Dec. 24, 1909.

<sup>3</sup> Each.

*Abstract of proposals for furnishing cement, received in response to public notice dated Feb. 3, 1910, and publicly opened Feb. 14, 1910.*

[Appropriation: Improving St. Marys River, Mich., general improvements.]

No.	Names and addresses of bidders.	Brand.	Price per barrel.		Total.
			200 barrels with sacks.	3,800 barrels without sacks.	
1	F. B. Spear & Sons, Marquette, Mich.....	Huron.....	\$1.45	\$1.05	\$4,280
2	Lehigh Portland Cement Co., Cleveland, Ohio <sup>1</sup> .....	Lehigh.....	1.49	1.19	4,820
3	Alpha Portland Cement Co., Chicago, Ill.....	Alpha.....	1.51½	1.21½	4,920
4	F. B. Spear & Sons, Marquette, Mich.....	Atlas.....	1.56	1.26	8,100

<sup>1</sup> Contract entered into Feb. 17, 1910.

*Abstract of proposals for furnishing and delivering about 24,000 feet b. m., of oak timber, received in response to public notice dated Feb. 11, 1910, and publicly opened Feb. 23, 1910.*

[Appropriations: Improving St. Marys River, Mich., general improvement, and operating and care of canals and other works of navigation, St. Marys Falls Canal, Mich.]

No.	Names and addresses of bidders.	Lot I, 15,569 feet b. m., per M feet b. m.	Lot II, 8,393 feet b. m., per M feet b. m.	Total.
1	W. B. Earle, Sault Ste. Marie, Mich. <sup>1</sup> .....	\$45.00	\$65.00	\$1,246.15
2	G. Elias & Bro., Buffalo, N. Y.....	45.00	80.00	1,372.05
3	J. L. Lynch, Sault Ste. Marie, Mich.....	79.90	79.90	1,914.56
4	Tymon Lumber Co., Sault Ste. Marie, Mich.....	50.00	.....	( <sup>2</sup> )

<sup>1</sup> Contract entered into Mar. 8, 1910.

<sup>2</sup> Incomplete.

*Abstract of proposals for furnishing and delivering about 52,000 feet b. m. of yellow fir timber, received in response to public notice dated Feb. 15, 1910, and publicly opened Mar. 7, 1910.*

[Appropriation: Operating and care of canals and other works of navigation, St. Marys Falls Canal, Mich.]

No.	Names and addresses of bidders.	Price per M feet b. m.	Total.
1	G. W. Gates & Co., Portland, Oreg. <sup>1</sup> .....	\$33.00	\$1,716.00
2	G. Elias & Bro., Buffalo, N. Y.....	35.00	1,820.00
3	N. G. De Haas, Marquette, Mich. <sup>2</sup> .....	36.00	1,872.00
4	H. B. Waite Lumber Co., Minneapolis, Minn.....	40.00	2,080.00
5	C. M. McCoy, Minneapolis, Minn.....	40.00	2,080.00

<sup>1</sup> Contract entered into Mar. 17, 1910.

<sup>2</sup> Informal. Price made for rough.

*Abstract of proposals for hire of tug, received in response to public notice dated Mar. 5, 1910, and opened Mar. 21, 1910.*

[Appropriation: Improving Detroit River, Mich.]

No.	Names and addresses of bidders.	Name of tug.	Per day.
1	John Desana, Wyandotte, Mich.....	McCormick.....	\$21.00
2	Hackett & Mullen, Detroit, Mich. <sup>1</sup> .....	John E. Monk.....	23.00
3	Hackett Towing Co., Detroit, Mich.....	D. N. Runnels.....	25.00
4	The Great Lakes Towing Co., Toledo, Ohio.....	Sheboygan.....	25.00
5	L. W. Sullivan, Toledo, Ohio.....	Pallister.....	27.00
6	Benj. L. Cowles, Buffalo, N. Y.....	Warnick.....	30.00
7	Great Lakes Engineering Works, Detroit, Mich.....	Ecorse.....	30.00
8	Wellington McMinn, Cleveland, Ohio.....	Major Symons.....	40.00

<sup>1</sup> Contract entered into Apr. 30, 1910.

It was considered to be decidedly to the advantage of the United States to have a tug with greater power than the McCormick, and the tug John E. Monk had previously rendered efficient service.

*Abstract of proposals for power, light, and telephone cable, received in response to public notice dated Mar. 11, 1910, and opened Mar. 28, 1910.*

[Appropriation: Improving St. Marys River, Mich. (general improvement).]

No.	Names and addresses of bidders.	Lot B; Arc cable.		Lot C; Telephone cable.					
		4,400 feet series.	Total.	1,400 feet.	1,900 feet.	900 feet.	300 feet.	390 feet.	Total.
		<i>Per ft.</i>		<i>Per ft.</i>	<i>Per ft.</i>	<i>Per ft.</i>	<i>Per ft.</i>	<i>Per ft.</i>	
1	General Electric Co., Detroit, Mich. ....	\$0.132	\$580.80	.....	.....	.....	\$0.10	\$0.40	\$186.00
2	Alternative. ....	.215	946.00	.....	.....	.....	.....	.....	.....
3	Waterbury Co., New York, N. Y. ....	.107	470.80	\$0.07	\$0.095	\$0.112	.16	.80	739.30
4	The Safety Insulated Wire and Cable Co., Chicago Ill. ....	.215	946.00	.....	.....	.....	.145	.80	355.50
5	Stromberg-Carlson Telephone Manufacturing Co., Chicago, Ill. ....	.....	.....	.....	.....	.....	.1793	.7778	357.13
6	Standard Underground Cable Co., Chicago, Ill. ....	.12	528.00	.067	.093	.112	.111	.491	596.09
	Alternative. ....	.196	1 862.40	.085	.115	.137	.111	.491	685.59

<sup>1</sup> Contract entered into Apr. 26, 1910.

*Abstract of proposals for power, light, and telephone cable, received in response to public notice dated Mar. 11, 1910, and opened Mar. 28, 1910.*

[Appropriation: Improving St. Marys River, Mich. (general improvement).]

No.	Names and addresses of bidders.	Lot A.			Total.
		Item 1, 2,140 feet trans. cable.	Item 2, 250 feet power cable.	Item 3, 1,250 feet rubber- covered wire.	
		<i>Per ft.</i>	<i>Per ft.</i>	<i>Per ft.</i>	
1	General Electric Co., Detroit, Mich. ....	\$1.19	\$0.407	\$0.19	1 \$2,885.85
2	Waterbury Co., New York, N. Y. <sup>2</sup> .....	1.46	.48	.162	3,446.90
3	The Safety Insulated Wire and Cable Co., Chicago, Ill. .	1.47	.389	.175	3,461.80
4	Stromberg-Carlson Telephone Manufacturing Co., Chicago, Ill. ....	1.9463	.4675	.1859	4,514.32

<sup>1</sup> Irregular.

<sup>2</sup> Contract entered into Apr. 26, 1910.

*Abstract of proposals for furnishing and delivering transformers and oil switch received in response to public notice dated Mar 18, 1910, and opened Mar 28, 1910.*

[Appropriation: Improving St. Marys River, Mich. (general improvement).]

No.	Names and addresses of bidders.	Price each.		Aggregate.	Delivery within—
		3 trans- formers.	1 oil switch.		
1	Westinghouse Electric and Manufacturing Co., Pittsburg, Pa. ....	\$360.40	\$27.65	\$1,108.85	75 days.
2	do. ....	425.80	27.65	1,305.05	Do.
3	Northern Electric Co., Sault Ste. Marie, Mich. <sup>1</sup> .....	435.00	32.00	1,337.00	40 days.
4	General Electric Co., Detroit, Mich. ....	440.00	32.60	1,352.60	75 days.
5	Edison Sault Electric Co., Sault Ste. Marie, Mich. ....	440.00	32.60	1,352.60	80 days.

<sup>1</sup> Contract entered into Apr. 14, 1910.

*Abstract of proposals for furnishing and delivering timber received in response to advertisement dated Mar. 14, 1910, and opened Apr. 14, 1910.*

[Appropriation: Improving St. Marys River, Mich. (new lock and canal).]

No.	Names and addresses of bidders.	Lot I.		Lot II.		Lot. III.	
		2,631,488 feet b. m. per M feet b. m.	Total.	985,728 feet b. m. per M feet b. m.	Total.	1,637,600 feet b. m. per M feet b. m.	Total..
1	Emery D. Weimer, Ludington, Mich.					<sup>1</sup> \$18.94	\$31,016.14
2	White Star Lumber Co., Elma, Wash.	\$11.25	\$29,604.24	<sup>2</sup> \$11.25	\$11,089.44		
3	John Schroeder Lumber Co., Milwaukee, Wis.					19.00	31,114.40
4	G. Elias & Bro., Buffalo, N. Y.	12.50	32,893.60	12.50	12,321.60	19.00	31,114.40
5	Foster Lumber Co., Tacoma, Wash.	11.75	30,919.98	11.40	11,237.29		
6	G. W. Gates & Co., Portland, Oreg.	11.90	31,314.70	11.40	11,237.29		
7	J. G. Newbegin, Tacoma, Wash.	11.90	31,314.70	11.45	12,286.58		
8	The Herron Co., Seattle, Wash.	11.94	31,419.96	11.94	11,769.59		
9	Schwager & Nettleton, Seattle, Wash.	12.15	31,972.57	11.99	11,818.87		
10	R. J. Clark, Sault Ste. Marie, Mich.	13.25	34,867.21	12.90	12,715.89	19.90	32,588.24
11	Day Lumber Co., Big Lake, Wash.			12.00	11,828.73		
12	J. R. Somerville, Napavine, Wash.	12.40	32,630.45	12.25	12,075.16		
13	James & Abbot Co., Boston, Mass.	12.40	32,630.45	12.30	12,124.45		
14	H. B. Waite Lumber Co., Min- neapolis, Minn.	12.50	32,893.60	12.50	12,321.60		
15	Emery D. Weimer, Ludington, Mich.	12.94	34,051.45	12.94	12,755.32		
16	McCormick Lumber Co., Mc- Cormick, Wash.: 32 feet and under, 2,130,056 feet.	12.00	25,560.67				
	34 and 36 feet, 501,432 feet..	14.00	7,020.04				
			32,580.71				
17	C. M. McCoy, Minneapolis, Minn.	12.25	32,235.72				
18	Lumber Manufacturers' Agency, Centralia, Wash.	12.35	32,498.87				
19	Mercantile Lumber & Supply Co., Kansas City, Mo.	13.88	36,525.05	13.50	13,307.32		
20	Deatherage Lumber Co., Kan- sas City, Mo.	14.40	37,893.42	14.40	14,194.48	37.50	<sup>3</sup> 61,410.00
21	Phillips & Seeley, Saginaw, Mich.					25.00	40,940.00
22	Herzfeld Lumber Co., Alexan- der City, Ala.					28.50	<sup>3</sup> 46,671.60
23	Watkins-Gray Lumber Co., Hattiesburg, Miss.					30.62	50,143.31
24	Rich Lumber Manufacturing Co., Hattiesburg, Miss.	35.97	94,654.62	34.34	33,849.89	32.92	<sup>3</sup> 53,909.79

<sup>1</sup> Contract entered into Apr. 26, 1910.

<sup>2</sup> Contract entered into May 3, 1910.

<sup>3</sup> Yellow pine.

*Abstract of proposals for bolts, rods, etc., received in response to public notice dated Mar. 29, 1910, and opened Apr. 15, 1910.*

[Appropriation: Improving St. Marys River, Mich., (new lock and canal).]

No.	Names and addresses of bidders.	Lot I.						Lot II.	
		68,299 pounds rods, etc.	.514 sleeve nuts.	28,170 pounds plate washers	272 pounds hexagon nuts.	310 turn-buckles.	Total.	239,511 pounds drift bolts.	Total.
1	Pittsburg Screw & Bolt Co., Pittsburg, Pa. ....	<i>Per lb.</i> \$0.0235	<i>Each.</i> \$0.60	<i>Per lb.</i> \$0.026	<i>Per lb.</i> \$0.035	<i>Each.</i> \$0.65	\$2,856.87	<i>Per lb.</i> \$0.0169	\$4,047.74
2	The Soo Hardware Co., Sault Ste. Marie, Mich. ....	} .0232½	.77½	.0247½	.0485	.93	2,985.00	{ <sup>2</sup> .0177½ <sup>3</sup> .0182½	} 4,263.67
3	J. Edward Ogden, New York, N. Y. ....								
4	J. & J. B. Milholland Co., Pittsburg, Pa. ....	.0249	.49	.0273	.0249	.91	3,010.42	.0172½	4,125.58
5	Pittsburg Forge & Iron Co., Pittsburg, Pa. ....	.0255	.58	.0255	.0255	.89	3,040.91	.0215	5,149.49
6	Michigan Bolt & Nut Works, Detroit, Mich. ....	.027	.32	.031	.048	.66	3,099.48	.019	4,550.71
7	Lawrence D. Weaning, Cleveland, Ohio. ....	.028	.60	.0335	.048	1.00	3,487.52	.020½	4,969.85
8	G. & W. Manufacturing Co., New York, N. Y. ....	.031	.72	.027	.075	1.10	3,609.34	.0284	6,802.11
9	Jones & Laughlin Steel Co., Pittsburg, Pa. ....	.057	.60	.039	.07	.95	5,613.61	{ <sup>2</sup> .0169 <sup>3</sup> .0174	11,736.04
									4,060.10

<sup>1</sup> Contract entered into Apr. 25, 1910.

<sup>2</sup> For 214,798 pounds.

<sup>3</sup> For 24,713 pounds.

*Abstract of proposals for bolts, rods, etc., received in response to public notice dated Mar. 29, 1910, and opened Apr. 15, 1910.*

[Appropriation: Improving St. Marys River, Mich., (new lock and canal).]

No.	Names and addresses of bidders.	Lot III, 61,170 pounds twisted bars.	
		Unit price.	Total.
1	The Soo Hardware Co., Sault Ste. Marie, Mich. ....	<i>Per pound.</i> \$0.0176	\$1,076.59
	Alternative. ....	.0166½	1,018.48
2	J. Edward Ogden, New York, N. Y. ....	.0178	1,088.83
3	J. & J. B. Milholland Co., Pittsburg, Pa. ....	.019	1,162.23
4	Pittsburg Forge & Iron Co., Pittsburg, Pa. ....	.018	1,101.06
5	Michigan Bolt & Nut Works, Detroit, Mich. ....	.021½	1,299.86
6	Lawrence D. Weaning, Cleveland, Ohio. ....	.0268	1,639.36
7	G. & W. Manufacturing Co., New York, N. Y. ....	.033	2,018.61
8	Jones & Laughlin Steel Co., Pittsburg, Pa. ....	.0170½	1,041.42

<sup>1</sup> Contract entered into Apr. 22, 1910.



*Abstract of proposals for furnishing and delivering long leaf southern pine received in response to public notice dated Apr. 25, 1910, and opened May 11, 1910.*

[Appropriation: Improving St. Marys River, Mich. (general improvement).]

No.	Names and addresses of bidders.	Lot I, 33,574 feet.		Lot II, 48,774 feet.		Aggregate of bid.	Delivery within—
		Unit price.	Amount.	Unit price.	Amount.		
1	G. Elias & Bro., Buffalo, N. Y. <sup>1</sup> .....	\$39.75	\$1,334.56	\$85.00	\$4,143.24	\$5,447.80	120 days.
2	Rich Lumber Manufacturing Co., Hattiesburg, Miss.	34.50	1,158.30	98.50	4,801.28	<sup>2</sup> 5,959.58	60 days.
3	R. J. Clark, Sault Ste. Marie, Mich. ....	45.00	1,510.83	98.00	4,776.91	6,287.74	Do.
4	W. B. Earle, Sault Ste. Marie, Mich. ....	49.00	1,645.12	99.00	4,825.65	6,470.77	30 to 40 days.
5	Watkins-Gray Lumber Co., Hattiesburg, Miss.	43.00	1,443.68	110.00	5,361.84	6,805.52	90 days.
6	Robinson Lumber Veneer & Box Co., New Orleans, La.	65.00	2,182.31	120.00	5,849.28	<sup>2</sup> 8,031.59	60 days.
7	Ravenel-Gabbett Lumber Co., Valdosta, Ga.	44.00	1,477.25	.....	.....	( <sup>3</sup> )	50 days.
8	Herzfeld Lumber Co., Alexander City, Ala.	46.00	1,544.40	.....	.....	( <sup>3</sup> )	30 days.

<sup>1</sup> Contract entered into May 16, 1910.

<sup>2</sup> Informal.

<sup>3</sup> Incomplete.

*Abstract of proposals for furnishing and delivering iron and steel received in response to public notice dated May 25, 1910, and opened June 10, 1910.*

[Appropriation: Operating and care of canals and other works of navigation, indefinite: St. Marys Falls Canal, Mich.]

No.	Names and addresses of bidders.	Total.
1	Minneapolis Steel & Machinery Co., Minneapolis, Minn. <sup>1</sup> .....	\$2,095.34
2	Whitehead & Kales Iron Works, Detroit, Mich. ....	2,445.85
3	G. & W. Manufacturing Co., New York, N. Y. ....	2,539.14
4	Michigan Bolt & Nut Works, Detroit, Mich. ....	( <sup>2</sup> )

<sup>1</sup> Contract entered into June 21, 1910.

<sup>2</sup> Incomplete.

#### WRECKS.

*Abstract of proposals for removing wreck of steamer "Oscar T. Flint," received in response to public notice dated Mar. 25, 1910, and opened Apr. 21, 1910.*

[Appropriation for removing sunken vessels or craft obstructing or endangering navigation, indefinite: Wreck steamer *Oscar T. Flint*.]

No.	Names and addresses of bidders.	Amount.
1	W. B. Sphear, Sault Ste. Marie, Mich. ....	\$1,600
2	Lewis W. Blix, Brooklyn, N. Y. ....	2,470
3	Thompson Tug Co., Port Huron, Mich. ....	2,500
4	Wm. McCulloch, Port Huron, Mich. ....	2,750
5	Isaac Zess, Sault Ste. Marie, Mich. ....	3,000
6	Thomas Isabell, Sturgeon Bay, Wis. ....	<b>3,200</b>

Contract not entered into.

*Abstract of proposals for the removal of the wreck "Maria Martin," received in response to public notice dated June 4, 1910, and opened June 14, 1910.*

[Appropriation for removing sunken vessels or craft obstructing or endangering navigation, indefinite: Wreck schooner *Maria Martin*.]

No.	Name and address of bidder.	Amount.
1	David M. Hackett, Detroit, Mich.....	\$400

Contract entered into June 17, 1910.

## BUFFALO (N. Y.) DISTRICT.

### RIVERS AND HARBORS.

[Officer: Col. W. L. Fisk, Corps of Engineers.]

*Proposals for dredging Erie Harbor, Pennsylvania, opened July 15, 1909, at Buffalo, N. Y., by Col. W. L. Fisk, Corps of Engineers.*

[Improving harbor at Erie, Pa.]

No.	Names and addresses of bidders.	Dredging 50,000 yards (per cubic yard, scow measure).	Total.
1	Central Dredging Co., Cleveland, Ohio.....	\$0.25	\$12,500
2	Great Lakes Dredge & Dock Co., Chicago, Ill.....	.27	13,500
3	Standard Contracting Co., Cleveland, Ohio.....	.29	14,500
4	Buffalo Dredging Co., Buffalo, N. Y.....	.20	10,000

Formal contract made.

*Abstract of proposals for dredging in harbor basin at Erie, Pa., under advertisement of Aug. 26, and opened Sept. 10, 1909, by Col. W. L. Fisk, Corps of Engineers at Buffalo, N. Y.*

[Improving harbor at Erie, Pa.]

No.	Names of bidders.	Dredging 150,000 yards (scow measure).	Total.
1	Buffalo Dredging Co.....	\$0.20	\$30,000
2	Great Lakes Dredge & Dock Co.....	.27	40,500
3	Central Dredging Co.....	.18	27,000
4	Standard Contracting Co.....	.18½	27,750

Formal contract made.

*Abstract of proposals for construction and erection of steel lock gates—valves and operating machinery for ship lock in Black Rock Harbor at Buffalo, N. Y., opened June 27, 1910 by Col. W. L. Fisk, Corps of Engineers, Buffalo, N. Y.*

No.	Item.	Quantity.	The Penn Bridge Co., Beaver Falls, Pa.		D'Olier Engineering Co., Philadelphia, Pa.	
			Unit price.	Amount.	Unit price.	Amount.
1	Miter sills, each.....	5	\$118.00	\$590.00	\$300.00	\$1,500.00
2	Steel guard gates.....	2	16,230.00	32,426.00	16,000.00	32,000.00
3	Steel lock gates.....	3	18,969.00	56,907.00	18,300.00	54,900.00
10	Stoney culvert valves.....	6	1,988.00	11,928.00	2,042.00	12,252.00
11	Pumping plant.....	1	6,669.00	6,669.00	8,400.00	8,400.00
12	Capstans.....	4	1,633.00	6,532.00	1,338.00	5,352.00
13	By-pass valves.....	2	432.00	864.00	425.00	850.00
14	Drain pipe valves.....	1	164.00	164.00	150.00	150.00
15	Cofferdam, pumping and maintenance.....		13,300.00	13,300.00	12,000.00	12,000.00
				129,414.00		127,404.00
4	Cable gate operating machines.....	8	1,600.00	12,800.00	1,625.00	13,000.00
5	Plow steel cable.....		466.50	466.50	500.00	500.00
6	Vertical cable sheaves.....	80	33.00	2,640.00	35.00	2,800.00
7	Horizontal cable sheaves.....	24	58.30	1,399.20	100.00	2,400.00
8	Cable counterweights.....	16	86.30	1,380.80	55.00	880.00
				18,686.50		19,580.00
9	Spar gate operating machines.....	8	2,219.00	17,752.00	3,175.00	25,400.00
	Total with cable gate operating machines.....			148,100.00		146,984.00
	Total with spar gate operating machines.....			147,166.00		152,804.00

  

No.	Item.	Quantity.	MacArthur Bros. Co., New York, City.	New Jersey Foundry & Machine Co., New York City.	Monarch Engineer Co., Buf- falo, N. Y.	Strobel Steel Con- struction Co., Chi- cago.
			Each.	Each.	Each.	Each.
1	Miter sills.....	5	\$206.25	\$192.00	\$264.00	\$150.00
2	Steel guard gates.....	2	18,569.00	17,875.00	16,645.00	18,000.00
3	Steel lock gates.....	3	22,069.00	21,500.00	17,900.00	21,000.00
10	Stoney culvert valves.....	6	2,250.00	2,375.00	2,800.00	3,100.00
11	Pumping plant.....	1	7,000.00	7,850.00	7,100.00	11,300.00
12	Capstans.....	4	2,000.00	2,180.00	2,300.00	2,000.00
13	By-pass valves.....	2	375.00	545.00	690.00	1,100.00
14	Drain pipe valves.....	1	125.00	143.00	220.00	440.00
15	Cofferdam, pumping and maintenance.....		10,000.00	24,250.00	25,000.00	11,006.00
4	Cable gate operating machines.....	8	2,375.00	2,225.00	2,850.00	3,230.00
5	Plow steel cable.....		750.00	825.00	450.00	630.00
6	Vertical cable sheaves.....	80	84.40	43.75	110.00	60.00
7	Horizontal cable sheaves.....	24	110.45	75.00	150.00	105.00
8	Cable counterweights.....	16	84.40	110.00	85.00	72.00
9	Spar gate operating machines.....	8	3,312.50	2,800.00	3,790.00	3,830.00
	Total with cable gate operating machines.....		174,254.45	183,098.00	185,020.00	186,232.00
	Total with spar gate operating machines.....		170,251.25	179,913.00	178,330.00	181,930.00

Items 4 to 8, inclusive, are alternative with item 9, depending on which system is adopted.

## OSWEGO (N. Y.) DISTRICT.

[Officer: Capt. W. L. Guthrie, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals for excavation at Charlotte Harbor, N. Y., received in response to advertisement of July 9, 1909, and opened Aug. 9, 1909, at Oswego, N. Y., by Lieut. W. L. Guthrie, Corps of Engineers.*

[Emergencies in river and harbor works, Charlotte Harbor, N. Y.]

No.	Names and addresses of bidders.	40,000 cubic yards dredged (scow meas- ure) per cubic yard.	Total.
1	Buffalo Dredging Co., Buffalo, N. Y.....	\$0.29	\$11,600
2	Daly & Hannan Dredging Co., Ogdensburg, N. Y.....	.27	10,800
3	Central Dredging Co., Buffalo, N. Y.....	.29	11,600
	Estimate.....	.17	6,800

Recommended that all bids be rejected as too high.

NOTE.—In response to readvertisement by circular, only one bid was received, viz, Daly & Hannan Dredging Co., at 27 cents per cubic yard. This bid was rejected and the work done by the Government plant.

## LOS ANGELES (CAL.) DISTRICT.

[Officer: Lieut. Chas. T. Leeds, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of bids for furnishing crude oil at Los Angeles Harbor, Cal., received in response to advertisement of Apr. 11, 1910, and opened at Los Angeles, Cal., at 11 a. m., May 11, 1910, by Lieut. Chas. T. Leeds, Corps of Engineers.*

[Appropriation: Improving Los Angeles Harbor, Cal.]

No.	Names and addresses of bidders.	Gravity.	Price per barrel.	Total (20,000 barrels).
1	H. S. Botsford, Los Angeles, Cal.....	16° to 20°	\$1.00	\$20,000
2	J. W. F. Diss, Los Angeles, Cal.....	14° to 20°	1.00	20,000

Bid No. 1 accepted.

## SAN FRANCISCO (CAL.) FIRST DISTRICT

[Officers: Maj. C. H. McKinstry, Corps of Engineers, from July 1 to July 31, 1909; Lieut. Col. John Biddle, Corps of Engineers, from Aug. 1, 1909, to June 30, 1910.]

## FORTIFICATIONS.

*Abstract of proposals for furnishing and erecting the structural steel work for a torpedo storehouse, received in response to circular of July 24, 1909, and opened Aug. 11, 1909.*

[Dimensions of building, 31 feet by 150 feet. Height, 16 feet to lower chord of roof truss. Total weight of steel, 48,800 pounds.]

Names and addresses of bidders.	Material.	Erecting.	Total.
W. B. Kyle, San Francisco, Cal.....			\$3,580
Judson Manufacturing Co., San Francisco, Cal.....	\$3,400	\$1,000	4,250
C. A. Blume Construction Co., San Francisco, Cal.....		850	
Brodé & Clark Iron Works, San Francisco, Cal.....	2,660	260	2,920
Ralston Iron Works (Inc.), San Francisco, Cal.....	2,740	650	3,390
Western Iron Works, San Francisco, Cal.....	2,385	850	3,235

*Abstract of proposals for furnishing and erecting sheet metal for two torpedo structures, received in response to circular dated Aug. 11, 1909, and opened Aug. 28, 1909.*

[Dimensions of buildings, 20 by 76½ feet and 31 by 151 feet, respectively. Roof of No. 20 gauge and siding of No. 22 gauge galvanized sheet steel.]

Names and addresses of bidders.	Amount (both buildings).
Bay Sheet Metal Works, San Francisco, Cal.....	\$5,390
Guilfoy Cornice Works, San Francisco, Cal.....	3,369
Rulofson Metal Window Works, San Francisco, Cal.....	5,187
Formderer Cornice Works, San Francisco, Cal.....	3,366

*Abstract of proposals for furnishing and erecting sheet metal work for roof of electrical power plant building, received in response to circular dated Nov 19, 1909, and opened Dec. 3, 1909.*

[Dimensions of building 41 by 99 feet. No. 20 gauge corrugated sheet steel used.]

Names and addresses of bidders.	Amount.
Rulofson Metal Window Works, San Francisco, Cal.....	\$1,672.00
Guilfoy Cornice Works, San Francisco, Cal.....	1,878.00
Formderer Cornice Works, San Francisco, Cal.....	2,120.00
San Francisco Cornice Co. (Inc.), San Francisco, Cal.....	2,117.70
Coast Sheet Metal Works, San Francisco, Cal.....	2,376.00

*Abstract of proposals for furnishing and erecting a steel smokestack for electrical power plant, received in response to circular dated Dec. 22, 1909, and opened Jan. 6, 1910.*

[Height of stack, 70 feet; diameter, 4½ feet.]

Names and addresses of bidders.	Amount.
Ocean Shore Iron Works, San Francisco, Cal.....	\$1,814
Brode Iron Works, San Francisco, Cal.....	2,990
Eureka Boiler Works, San Francisco, Cal.....	1,874
Moore & Scott Iron Works, San Francisco, Cal.....	2,300
Judson Manufacturing Co., San Francisco, Cal.....	1,889

*Abstract of proposals for furnishing and erecting structural steel work for roof of electrical power plant, received in response to circular dated Oct. 15, 1909, and opened Oct. 29, 1909.*

[Dimensions of building, 41 by 99 feet. Weight of steel, 16,000 pounds.]

Names and addresses of bidders.	Amount.
Ralston Iron Works (Inc.), San Francisco, Cal.....	\$960
Western Iron Works, San Francisco, Cal.....	1,174
Brode & Clark Iron Works, San Francisco, Cal.....	1,210

*Abstract of proposals for furnishing electric cable, received in response to circular dated Mar. 25, 1910, and opened Apr. 15, 1910.*

Names and addresses of bidders.	890 feet 3/0 duplex cable, lead covered.	4,000 feet No. 12 duplex cable, lead covered.	14,500 feet No. 14 duplex cable, lead covered.	500 feet No. 14 triplex cable, lead covered.	7,000 feet No. 14 duplex cable, lead covered, iron armored.
	Cents.	Cents.	Cents.	Cents.	Cents.
Waterbury Co., San Francisco, Cal., per foot.....	71.5	6.0	5.20	16.5	15.4
General Electric Co., San Francisco, Cal., per foot.....	77.0	9.0	8.00	17.0	14.0
Standard Underground Cable Co., San Francisco, Cal..... per foot..	70.8	8.8	7.63	17.7	14.4

## SAN FRANCISCO (CAL.) SECOND DISTRICT.

[Officer: Lieut. Col. John Biddle, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of bids for dredging in Napa River, Cal., received in response to advertisement by poster and circular letter opened by Lieut. Col. John Biddle, Corps of Engineers, at 12 o'clock noon, Apr. 2, 1910.*

[Appropriations: Preservation and maintenance of river and harbor works, improving Petaluma Creek and Napa River, Cal.]

No.	Names and addresses of bidders.	Dredging 26,744 cubic yards.		Removing 30 snags.		Hire of dredge, 5 days.		Total.
		Unit price.	Amount.	Unit price.	Amount.	Unit price.	Amount.	
1	J. C. Franks, Phelan Building, San Francisco, Cal.....	Cents. 11 $\frac{1}{4}$	\$3,175.85	\$10.00	\$300.00	\$125.00	\$625.00	\$4,100.85
2	J. S. McNany, 95 Market St., San Francisco, Cal.....	24	6,418.56	10.00	300.00	125.00	625.00	7,343.56
3	Caledonia Dredging Co., Merchants' Exchange Building, San Francisco, Cal.....	15 $\frac{3}{10}$	4,225.55	4.00	120.00	150.00	750.00	5,095.55
4	C. B. Harris, 95 Market St., San Francisco, Cal.....	13 $\frac{20}{100}$	3,717.42	7.50	225.00	135.00	675.00	4,617.42

All proposals were in regular form.

*Abstract of bids for repairing the bridge over the Tidal Canal at High Street, Alameda, Cal., received in answer to advertisement dated July 31, 1909, and opened by Lieut. Col. John Biddle, Corps of Engineers, San Francisco, Cal., at 12 o'clock noon, Monday, Aug. 30, 1909.*

[Preservation and maintenance of river and harbor works, Oakland Harbor, Cal.]

No.	Names and addresses of bidders.	For all new members, per pound.		For repairing old members, per pound.	
		Unit price.	Amount.	Unit price.	Amount.
1	Mervy-Elwell Co., Foot of 11th Ave., Oakland, Cal.....	\$0.17 $\frac{1}{10}$	\$1,740.00	\$0.17 $\frac{4}{10}$	\$1,044.00
2	San Francisco Bridge Co., San Francisco, Cal.....	.13 $\frac{1}{10}$	1,340.00	13 $\frac{1}{10}$	804.00
3	Hyde, Harjes & Co., 1 Drumm St., San Francisco, Cal.....	.20	2,000.00	.20	1,200.00
4	Western Bridge & Construction Co., Sacramento, Cal.....	.30	3,000.00	.37 $\frac{1}{2}$	2,250.00
5	Cotton Bros. & Co., 241 Bacon Building, Oakland, Cal.....	.47	4,700.00	.44	2,640.00

No.	Names and addresses of bidders.	For all new woodwork constructed, per M feet.		For creosoted piles in place, each.		Total.
		Unit price.	Amount.	Unit price.	Amount.	
1	Mervy-Elwell Co., foot of 11th Ave., Oakland, Cal..	\$24.00	\$3,247.20	\$25.00	\$150.00	\$6,181.20
2	San Francisco Bridge Co., San Francisco, Cal.....	29.25	3,957.52	40.00	240.00	6,341.52
3	Hyde, Harjes & Co., 1 Drumm St., San Francisco, Cal.	25.00	3,382.50	30.00	180.00	6,762.50
4	Western Bridge & Construction Co., Sacramento, Cal.....	30.00	4,059.00	30.00	180.00	9,489.00
5	Cotton Bros. & Co., 241 Bacon Building, Oakland, Cal.....	31.50	4,261.95	28.00	168.00	11,769.95

All proposals were in proper form.

Certified checks accompanied these bids: Nos. 1, 2, 4, and 5.



## PORTLAND (OREG.) FIRST DISTRICT.

[Officer: Maj. J. J. Morrow, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals opened at United States engineer office, Portland, Oreg., Sept. 23, 1909, received in response to advertisement dated Aug. 23, 1909, for removing rock and submerged reefs from main shore of Columbia River near Big Eddy, in connection with work of "Improving Columbia River, Oreg. and Wash., from foot of the Dalles Rapids to the head of Celilo Falls."*

[Appropriation for "Improving Columbia River, Oreg. and Wash., from foot of the Dalles Rapids to the head of Celilo Falls."]

No.	Names and addresses of bidders.	Class A rock (6,000 cubic yards).		Class B rock (7,600 cubic yards).		Total.
		Unit. price.	Amount.	Unit price.	Amount.	
1	Robert Wakefield, Portland, Oreg. <sup>1</sup> .....	\$2.00	\$12,000	\$4.00	\$30,400	\$42,400
2	E. T. Johnson, Portland, Oreg.....	1.75	10,500	6.00	45,600	56,100
3	United Engineering & Construction Co., Portland, Oreg.....	2.20	13,200	3.95	30,020	43,220
4	Puget Sound Bridge & Dredging Co., Seattle, Wash..	1.90	11,400	4.25	32,300	43,700

<sup>1</sup> Lowest bid; acceptance recommended.

Informalities: Bid No. 1, Robert Wakefield, did not state in his proposal the plant he intended to use nor the method he intended to employ in carrying out the work.

## PORTLAND (OREG.) SECOND DISTRICT.

[Officer: Maj. J. F. McIndoe, Corps of Engineers.]

## RIVERS AND HARBORS.

*Abstract of proposals opened at United States engineer office, Portland, Oreg., Sept. 27, 1909, received in response to advertisement dated Aug. 27, 1909, for furnishing and delivering stone for jetty construction in connection with work of "Improving mouth of Columbia River, Oreg. and Wash."*

[Appropriations for "Improving mouth of Columbia River, Oreg. and Wash."]

No.	Name and address of bidder.	Approximate quantity.	Price per 2,000- pound ton.	Amount.
1	Columbia Contract Co., Portland, Oreg.....	Tons. 380,000	\$1.12	\$425,600

*Abstract of proposals opened at United States engineer office, Portland, Oreg., Dec. 22, 1909, received in response to advertisement dated Nov. 22, 1909, for making alterations and additions to United States dredge Chinook, in connection with work of "Improving mouth of Columbia River, Oreg. and Wash."*

[Appropriation: "Preservation and maintenance of river and harbor works; allotment for mouth of Columbia River, Oreg. and Wash. (dredge Chinook)."]

No.	Names and addresses of bidders.	Repairing old boilers.	Furnishing new boilers.	Required to complete.
1	Willamette Iron & Steel Works, Portland, Oreg...	\$162,500	\$182,500	180 working days.
2	Heffernan Dry Dock Co., Seattle, Wash.....	171,340	189,340	7½ months.
3	Union Iron Works Co., San Francisco, Cal.....	175,000	195,000	7 months.
4	Moore & Scott Iron Works, San Francisco, Cal.....	176,000	196,000	7½ months.
5	Risdon Iron & Locomotive Works, San Francisco, Cal.....	183,400	.....	6 months.
6	The Marine Iron Works, Portland, Oreg.....	<sup>1</sup> 132,000	.....	4 months 15 days.

<sup>1</sup> Recommended for acceptance.

*Abstract of proposals opened at United States engineer office, Portland, Oreg., June 10, 1910, in response to circular advertisement, dated May 10, 1910, for furnishing and delivering coal to the United States at Astoria, Oreg., and at Fort Stevens, Oreg., during the year ending June 30, 1911, for use in connection with various works of river and harbor improvements.*

No.	Names and addresses of bidders.	Name of coal.	Price per ton of 2,240 pounds delivered.		
			On United States craft at Astoria.	On cars at Fort Stevens.	Ex-ship at Fort Stevens wharf.
1	Astoria Fuel & Supply Co., Astoria, Oreg..	South Wellington.....	\$7.00	.....	.....
		Stanford.....	7.25	.....	.....
		Merthyn.....	7.25	.....	.....
		Hebburn.....	7.25	.....	.....
2	Do .....	Kopiah.....	.....	<sup>1</sup> \$5.54	.....
		Kemmerer.....	.....	8.56	.....
		Rock Springs.....	.....	8.56	.....
3	George W. Sanborn, Astoria, Oreg.....	Aberdare.....	<sup>2</sup> 6.80	.....	.....
4	Do.....	South Prairie.....	.....	<sup>3</sup> 5.80	.....
5	Do.....	South Wellington.....	<sup>2</sup> 6.35	.....	<sup>4</sup> \$6.00

<sup>1</sup> Rejected. Kopiah coal is not of satisfactory quality.

<sup>2</sup> Accepted. Lowest bids received for satisfactory quality of coals to be delivered on board United States craft at Astoria, Oreg. The United States will reserve the option of calling for whichever of the two coals proves most economical at prices bid.

<sup>3</sup> Accepted. Lowest bid received for satisfactory quality of coal to be delivered on board cars at Fort Stevens, Oreg.

<sup>4</sup> Rejected. No facilities for receiving the coal at Fort Stevens wharf in the quantities offered.

NOTE.—Approximate quantities of coal required during year ending June 30, 1911, viz: On board United States craft at Astoria, Oreg., 5,000 tons; on board cars at Fort Stevens, Oreg., 2,500 tons.

### SEATTLE (WASH.) DISTRICT.

[Officer: Maj. C. W. Kutz, Corps of Engineers.]

#### FORTIFICATIONS.

*Abstract of proposals received by Maj. C. W. Kutz, Corps of Engineers, for furnishing steam coal, in response to circular proposal dated July 12, 1909, opened July 22, 1909.*

[Gun and Mortar Batteries.]

No.	Names and addresses of bidders.	Kind.	Per ton.
1	Carbon Hill Coal Co., Seattle, Wash.....	Carbonado.....	\$3.60
2	C. E. Houston, Seattle, Wash.....	Black Diamond, Franklin, or South Prairie.	3.50

#### RIVERS AND HARBORS.

*Abstract of proposals received by Maj. C. W. Kutz, Corps of Engineers, in response to advertisement dated June 1, 1910, for dredging St. Michael Canal, Alaska. Opened June 10, 1910.*

[Improving St. Michael Canal, Alaska.]

No.	Names and addresses of bidders.	Estimated quantity.	Percubic yard.	Total.
		<i>Cubic yards.</i>		
1	Tacoma Dredging Co., Tacoma, Wash.....	130,000	\$0.94	\$122,200.00
2	Puget Sound Bridge & Dredging Co., Seattle, Wash.....	130,000	.90	117,000.00
3	North American Dredging Co., Los Angeles, Cal.....	130,000	.....	122,000.00
				<sup>1</sup> 135,000.00

<sup>1</sup> Lump sum.

Time: Bid No. 1, commence on or before June 1, 1911, and complete on or before Oct. 15, 1911. Bid No. 2, commence on or before July 1, 1911 and complete on or before Nov. 1, 1911. Bid No. 3, commence immediately with object of completing work before close of season of 1910, but if impossible to complete during season of 1910, the work will be completed by Aug. 31, 1911.

*Abstracts of proposals received by Maj. C. W. Kutz, Corps of Engineers, in response to circular proposal dated June 7, 1910, for furnishing and delivering piling at Grays Harbor, Washington, opened June 22, 1910.*

[Improving Grays Harbor, Washington.]

No.	Names and addresses of bidders.	Quantity.	Unit price.	Amount.
1	C. W. Green, Centralia, Wash.....	175 piles, 60 ft.....	<i>Each.</i> \$10.50	\$1,837.50
		250 piles, 65 ft.....	11.37½	2,843.75
		250 piles, 70 ft.....	12.25	3,062.50
		100 piles, 75 ft.....	13.12½	1,312.50
				9,056.25
2	A. B. Hughes, Aberdeen, Wash.....	( <sup>1</sup> ).....	2.18	9,315.00
3	R. J. Stoner, Gate, Wash.....	175 piles, 60 ft.....	2.20	2,100.00
		250 piles, 65 ft.....	2.20½	3,331.25
		250 piles, 70 ft.....	2.21	3,675.00
		100 piles, 75 ft.....	2.22	1,650.00
				10,756.25

<sup>1</sup> As a whole.

<sup>2</sup> Per linear foot.

*Abstract of proposals received by Maj. C. W. Kutz, Corps of Engineers, in response to circular proposal dated June 7, 1910, for furnishing and delivering brush fascines at Grays Harbor, Washington, opened June 22, 1910.*

[Improving Grays Harbor, Washington.]

No.	Names and addresses of bidders.	Brush fascines.		Unit price.	Amount.
		Quantity.	Length.		
1	Thos. C. Soule, Hoquiam, Wash.....	2,500 cords....	<i>Feet.</i> 16	\$3.50	\$8,750.00
			20	3.65	9,125.00
2	C. E. Lund, Aberdeen, Wash.....	do.....	16	4.50	11,250.00
			20	4.24	10,600.00
3	H. C. Minkler, Montesano, Wash.....	do.....	16	4.25	10,625.00
			20	4.00	10,000.00
4	R. J. Stoner, Gate, Wash.....	do.....	16	4.00	10,000.00
			20	4.00	10,000.00

### HONOLULU (HAWAII) DISTRICT.

[Officer: Maj. E. Eveleth Winslow, Corps of Engineers.]

#### RIVERS AND HARBORS.

*Abstract of proposals for dredging in Honolulu Harbor, Hawaii, received in response to advertisement dated Mar. 1, 1910, and opened at Honolulu, Hawaii, on Apr. 1, 1910, by Maj. E. Eveleth Winslow, Corps of Engineers.*

Name and address of bidder.	Per cubic yard, measured in the fill.
Hawaiian Dredging Co. (Ltd.), Honolulu, Hawaii.....	60 cents.

Evidence of authority of officer signing for company incomplete.  
Bid rejected; price considered unreasonable.

## PUBLIC BUILDINGS AND GROUNDS, DISTRICT OF COLUMBIA.

[Officer: Lieut. U. S. Grant, 3d, Corps of Engineers.]

*Abstract of proposals received at office public buildings and grounds, Washington, D. C., under which formal contracts for the fiscal year ending June 30, 1910, were made.*

## FOR FUEL, RECEIVED MAY 10, 1909.

Items.	Johnson Bros., Washington, D. C.	W. H. Marlow, Washington, D. C.	The White Oak Coal Co., Wash- ington, D. C.	J. Edw. Chapman, Washington, D. C.
White-ash furnace coal.....per ton..	\$5.64	\$5.85	\$5.49	\$5.70
White-ash egg or grate coal.....do....	5.85	6.20	5.89	5.90
Red-ash egg or grate coal.....do....	6.40	6.60	6.60	6.30
Red-ash stove coal.....do....	6.70	6.85	6.70	6.50
White-ash stove coal.....do....	6.55	6.60	6.50	6.45
White-ash chestnut coal.....do....	6.55	6.60	6.45	6.45
Georges Creek coal.....do....	4.00	4.00	3.30	3.60
Pine kindling wood.....per cord..	7.40	9.00	8.25	8.50
Oak wood.....do....	8.40	9.00	8.25	8.50
Long pine wood.....do....	6.50	7.50	6.75	6.40
Charcoal.....per barrel..	.75	.75	.75	.30

## FOR BULBS, RECEIVED MAY 10, 1909.

Name and address of bidder.	Amount.
Henry F. Michell, Philadelphia, Pa.....	\$1,140.00

## FOR INSTALLING, OPERATING, AND MAINTAINING HIGH CANDLEPOWER GAS LIGHTS IN THE PUBLIC GROUNDS, RECEIVED JUNE 15, 1909.

Name and address of bidder.	Price per light per annum.
American Street Lighting Co., Baltimore, Md.....	\$20.85

## FOR ARC ELECTRIC LIGHTS AND ELECTRIC CURRENT IN THE PUBLIC GROUNDS AND POTOMAC HIGHWAY BRIDGE, RECEIVED JUNE 15, 1909.

Name and address of bidder.	Price per per light annum.	Electric current per kilowatt hour.
Potomac Electric Power Co., Washington, D. C.....	\$85.00	\$0.06

## FOR LEAD-COVERED UNDERGROUND CABLE, RECEIVED JUNE 15, 1909.

Names and addresses of bidders.	10,000 feet of cable, per foot.	Total.
Western Electric Co., New York, N. Y.....	\$0.23	\$2,300.00
Waterbury Co., New York, N. Y.....	.19½	1,950.00
General Electric Co., Schenectady, N. Y.....	.203	2,030.00
Standard Underground Cable Co., Philadelphia, Pa.....	.19	1,900.00
National Electrical Supply Co., Washington, D. C.....	.182	1,820.00
Safety Insulated Wire & Cable Co., Washington, D. C.....	.148	1,480.00
	.138	1,380.00
	.168	1,680.00

*Abstract of proposals received at office public buildings and grounds, Washington, D. C., under which formal contracts for the fiscal year ending June 30, 1910, were made—Con.*

FOR MAKING MONTHLY INSPECTIONS OF ELEVATOR AND MACHINERY IN THE WASHINGTON MONUMENT, RECEIVED JUNE 26, 1909.

Names and addresses of bidders.	Price per annum for 12 monthly inspections.
United States Casualty Co., New York, N. Y.....	\$36.00
Maryland Casualty Co., Washington, D. C.....	40.00
Philadelphia Casualty Co., Philadelphia, Pa.....	99.95

FOR BROKEN STONE FOR CONSTRUCTING AND REPAIRING ROADWAYS IN AND NEAR POTOMAC PARK, RECEIVED JULY 8, 1909.

Names and addresses of bidders.	Class 1.		Class 2.		
	1,850 tons gneiss, lime-stone, or trap rock, 2½ to 1½ inches.	450 tons gneiss, lime-stone, or trap rock, 1½ to ¾ inch.	2,400 tons trap rock, 1½ to ¾ inch.	1,200 tons trap rock, ½ inch to dust.	800 tons lime-stone, ¾ inch to dust.
Columbia Granite & Dredging Co., Washington, D. C.....per ton..	\$1.37	\$1.37	\$1.94	\$1.94	\$1.68
National Mortar Co., Washington, D. C.....do.....	1.42½	1.42½	1.78	1.78	1.42½
B. F. Pope Stone Co., Baltimore, Md.....do.....			1.80	1.80	1.65

FOR VITRIFIED PAVING BRICK FOR GUTTERS FOR PARK ROADWAY ON NORTH B STREET, RECEIVED JULY 14, 1909.

Names and addresses of bidders.	Price per 1,000.	Total.
James M. Porter, Pittsburg, Pa.....	\$22.25	\$1,668.75
C. P. Mayer Brick Co., Bridgeville, Pa.....	24.80	1,860.00
	22.85	1,713.75

<sup>1</sup> No. 1.

<sup>2</sup> No. 2.

FOR CONSTRUCTING CEMENT WALKS AND COPINGS IN VARIOUS PARKS, RECEIVED SEPT. 9, 1909.

Items.	Southern Paving Co., Washington, D. C.	R. E. Boisseau, Washington, D. C.	R. J. Beall Construction Co., Washington, D. C.
<b>Class 1:</b>			
8-inch coping.....per foot..	\$0.30	\$0.32	\$0.32
Cement posts.....each..	.75	1.00	.50
4-inch coping.....per foot..	.125	.25	.17
Total.....	826.20	1,302.88	1,010.88
<b>Class 2:</b>			
16-inch coping.....per foot..	.50	.35	.34
Cement walks.....per yard..	1.00	1.25	1.00
Total.....	2,470.00	2,620.00	2,198.00

*Abstract of proposals received at office public buildings and grounds, Washington, D. C., under which formal contracts for the fiscal year ending June 30, 1910, were made—Con.*

FOR GRANITE COPINGS AND POSTS, AND ASPHALT WALKS AROUND THE PULASKI AND KOSCIUSZKO STATUES, AND REPAIR OF ASPHALT ROADWAY PAVEMENT ON HIGHWAY BRIDGE, RECEIVED FEB. 19, 1910.

Items.	Washing- ton Granite Moni- mental Co., Washing- ton, D. C.	The Cran- ford Pav- ing Co., Washing- ton, D. C.	R. J. Beall Construc- tion Co., Washing- ton, D. C.
Class 1:			
157.1 linear feet granite coping around Pulaski statue.....	\$579.00	.....	\$474.45
176 linear feet granite coping around Kosciuszko statue.....	529.00	.....	494.45
2 granite posts and 2 sections of copings and walls at northeast corner Lafayette Park.....	244.00	.....	285.45
Total.....	1,352.00	.....	1,254.35
Class 2:			
375 square yards asphalt walk in Reservation 33, per yard.....		\$1.80	.....
150 square yards asphalt walk at northeast corner Lafayette Park, per yard.....		1.80	.....
Repairs 30 square yards asphalt roadway, Highway Bridge, at per cubic yard for wearing surface.....		25.00	.....

FOR FURNISHING MATERIALS AND LABOR AND INSTALLING A COMPLETE SYSTEM OF LIGHTNING CONDUCTORS ON THE EXECUTIVE MANSION, RECEIVED APR 13, 1910.

Names and addresses of bidders.	Amount.
Arrow Conductor and Manufacturing Co., Chicago, Ill.....	\$787.50
Carl Bajohr, St. Louis, Mo.....	500.00
National Electrical Supply Co., Washington, D. C.....	430.00
	572.00

FOR FURNISHING NEW MARBLE MANTEL FOR EXECUTIVE MANSION, AND RESET-  
TING THREE MANTELS IN PRESIDENT'S OFFICE BUILDING, RECEIVED JUNE 9, 1910.

Names and addresses of bidders.	Amount.
American Mosaic Co., Washington, D. C.....	\$725.00
Wm. Seely Hutchinson, Washington, D. C.....	736.00
J. H. Corning, Washington, D. C.....	692.50

FOR CONSTRUCTING A TERRAZZO FLOOR AND MARBLE WAINSCOTING IN THE LODGE  
HOUSE AT THE WASHINGTON MONUMENT, RECEIVED JUNE 10, 1910.

Names and addresses of bidders.	Floor complete.	Wain- scoting complete.	Total.
Wm. Seely Hutchinson, Washington, D. C.....	\$204.00	\$306.00	\$510.00
American Mosaic Co., Washington, D. C.....	155.00	252.35	407.35
National Mosaic Co., Washington, D. C.....	124.00	274.00	398.00



**ABSTRACT OF PROPOSALS RECEIVED DURING THE FISCAL YEAR  
ENDING JUNE 30, 1910, FOR WORKS UNDER THE MISSISSIPPI RIVER  
COMMISSION.**

SECRETARY'S OFFICE, ST. LOUIS, MO.

[Officer: Lieut. C. H. Knight, Corps of Engineers.]

*Abstract of proposals for furnishing centrifugal sand dredging pump, priming valve and deflecting valve, received in response to advertisement dated Aug. 10, 1909, and opened by Lieut. C. H. Knight, Corps of Engineers, Sept. 4, 1909.*

[Appropriation for improving Mississippi River.]

No.	Names and addresses of bidders.	One 24-inch centrifugal sand dredging pump.	One 24-inch priming valve.	One 24-inch deflecting valve.	Total cost of lot.	Delivery.
						<i>Days.</i>
1	G. & W. Manufacturing Co., New York, N. Y. . .	\$2, 297	\$173	\$443	\$2, 913	90
2	The Bucyrus Co., South Milwaukee, Wis. . . . .	4, 050	265	540	4, 850	130
3	Joseph Edwards & Co., New York, N. Y. . . . .	4, 625	274	617	5, 516	90
4	Schoellhorn-Albrecht Machine Co., St. Louis, Mo. . . . .	5, 000	350	895	6, 245	120
5	Camden Iron Works, Camden, N. J. . . . .	10, 615	564	1, 217	12, 396	150
6	Excelsior Equipment Co., Pittsburg, Pa. . . . .	11, 605	595	1, 295	13, 495	150

<sup>1</sup> Modifies bid by request in telegram of Sept. 3, 1909, to add \$295 for cost of extra parts. No award made.

*Abstract of proposals for furnishing six steel pontons, received in response to advertisement dated Sept. 22, 1909, and opened by Lieut. C. H. Knight, Corps of Engineers, Oct. 12, 1909.*

[Appropriation for improving Mississippi River.]

No.	Names and addresses of bidders.	Price for lot.	Delivery.	Remarks.
			<i>Days.</i>	
1	The Acme Boiler and Construction Co., Canal Dover, Ohio.	<sup>1</sup> \$4, 500	120	Furnishes certified check for \$900 in lieu of guaranty; pontons to be constructed at their own shops.
2	Charles Hegewald Co., New Albany, Ind.	5, 399	180	Pontons to be constructed at their own shops.
		6, 948	129	Pontons to be constructed at shops of Michelman Steel Construction Co., Quincy, Ill.
3	New Jersey Foundry and Machine Co., New York, N. Y.	7, 937	99	Pontons to be constructed at shops of Johnson Iron Works (Ltd.), New Orleans, La.
4	The Springfield Boiler and Manufacturing Co., Springfield, Ill.	7, 050	150	Pontons to be constructed at their own shops.
5	Racine Boat Manufacturing Co., Muskegon, Mich.	7, 950	120	Do.
6	Howard Ship Yards Co., Jeffersonville, Ind.	9, 780	150	Do.

<sup>1</sup> Accepted.

*Abstract of proposals for furnishing 24-inch centrifugal dredging pump, received in response to advertisement dated Sept. 29, 1909, and opened by Lieut. C. H. Knight, Corps of Engineers, Oct. 19, 1909.*

[Appropriation for improving Mississippi River.]

No.	Names and addresses of bidders.	One 24-inch centrifugal dredging pump.	Extra parts.	Pat-terns.	Total cost.	Deliv-ery.	Remarks.
						<i>Days.</i>	
1	The Reeves Bros. Co., Alliance, Ohio.	\$2,470	\$341	\$7	\$2,818	90	Furnishes certified check for \$600 in place of guaranty; pump to be constructed at their own works.
2	Ellicott Machine Co., Baltimore, Md.	2,797	600	150	3,547	100	Pump to be constructed at their own works.
3	Schoellhorn-Albrecht Machine Co., St. Louis, Mo.	3,200	250	520	3,970	120	Furnishes certified check for \$974 in place of guaranty; pump to be constructed at their own works.
4	The G. & W. Manufacturing Co., New York, N. Y.	3,473	325	175	3,973	100	Pump to be constructed at works of Broomell, Schmidt & Stacy, York, Pa.
5	The Norbom Engineering Co., Philadelphia, Pa.	3,345	600	215	4,160	75	Pump to be constructed at works of Morris Engineering Co., Philadelphia, Pa.
6	Joseph Edwards & Co., New York, N. Y.	3,550	540	185	4,275	90	Pump to be constructed at their own works.
7	Henry R. Worthington, Harrison, N. J.	4,900	625	250	5,775	80	Do.
8	Camden Iron Works, Camden, N. J.	8,238	1,677	700	10,615	150	Do.
9	A. W. Schaefer, Pittsburg, Pa.	8,954	1,815	770	11,539	150	Pump to be constructed at Camden, N. J.

<sup>1</sup> Accepted.

*Abstract of proposals for furnishing one 24-inch discharge pipe line and two sets of special fittings for suction pipes, received in response to advertisement dated Nov. 17, 1909, and opened by Lieut. C. H. Knight, Corps of Engineers, Dec. 7, 1909.*

[Appropriation for improving Mississippi River.]

No.	Name and address of bidder.	Price for discharge pipe line.	Price for fittings for suction pipes.	Remarks.
1	The Springfield Boiler and Manufacturing Co., Springfield, Ill.	\$3,509	\$195	To be constructed at their own shops.

Accepted.

*Abstract of proposals for furnishing coal for operations under Mississippi River Commission, received in response to advertisement dated Jan. 26, 1910, and opened by Lieut. C. H. Knight, Corps of Engineers, Feb. 26, 1910.*

[Appropriation for improving Mississippi River.]

No.	Name and address of bidder.	Name and location of mine.	Quantity.	For delivery under first alternative in specifications.	
				Per Bushel.	Total.
1	The Monongahela River Consolidated Coal & Coke Co., Pittsburgh, Pa.	The company's mines in the second pool of the Monongahela River (14-inch lump).	Bushels. 425,000	Cents. 12½	\$53,125
		The company's mines in the fourth pool of the Monongahela River (14-inch lump).	425,000	12	51,000
		The company's mines at De Koven, Ky. (2-inch lump).	425,000	10	42,500

Accepted.

*Abstract of proposals for furnishing steel plate suction head received in response to advertisement dated Feb. 17, 1910, and opened by Lieut. C. H. Knight, Corps of Engineers, Mar. 4, 1910.*

[Appropriation for improving Mississippi River.]

No.	Names and addresses of bidders.	Price complete.
1	American Boiler Works, Louisville, Ky.....	\$1,450
2	The Springfield Boiler & Manufacturing Co., Springfield, Ill.....	1,500
3	Ellicott Machine Co., Baltimore, Md.....	2,780
4	Griffiths Iron Works Co., St. Louis, Mo.....	1,880

Bid No. 2 accepted.

## FIRST AND SECOND DISTRICTS, MEMPHIS, TENN.

[Officer: Maj. M. L. Walker, Corps of Engineers.]

*Abstract of proposals for furnishing brush and poles received in response to public notice dated June 30, 1909, and opened July 14, 1909, by Maj. M. L. Walker, Corps of Engineers.*

No.	Name and address of bidder.	Furnished with contractor's plant.			Cost.
		Plum Point Reach (8,500 cords).	Hopefield Bend (5,250 cords).	Walnut and Old Town Bends (14,750 cords).	
1	C. W. Hunter, Memphis, Tenn.....	Per cord. ¹ \$1.55	Per cord. ¹ \$1.55	Per cord. \$1.55	\$44,175.00

  

No.	Name and address of bidder.	Furnished with United States plant.			Cost.	Total cost.
		Plum Point Reach (8,500 cords).	Hopefield Bend (5,250 cords).	Walnut and Old Town Bends (14,750 cords).		
1	C. W. Hunter, Memphis, Tenn.....	Per cord. \$1.45	Per cord. \$1.45	Per cord. ¹ \$1.45	\$41,325.00	\$85,500.00

¹ Recommended for acceptance.

*Abstract of proposals for levee work in Upper St. Francis levee district in response to advertisement dated June 28, 1909, and opened July 19, 1909, by Maj. M. L. Walker, Corps of Engineers.*

No.	Names and addresses of bidders.	Station 45/6 to Station 4 6/24.		Total.
		Embank- ment (90,000 cu. yds.).	Grubbing 1 acre.	
		<i>Per cu. yd.</i>	<i>Per acre.</i>	
1	R. L. Bartholomew & Co., Memphis, Tenn.....	\$0.209	\$73.00	\$18,883.00
2	Walter S. Lee, Charleston, Mo.....	.21	.....	18,900.00
3	Chas. W. Little, Caruthersville, Mo.....	.1624	100.00	14,716.00
4	Roach & Stansell, Memphis, Tenn.....	.22	150.00	19,950.00

<sup>1</sup> Recommended for acceptance.

*Abstract of proposals for furnishing photographic outfit received in response to public notice dated July 17, 1909, and opened July 21, 1909, by Maj. M. L. Walker, Corps of Engineers.*

No.	Names and addresses of bidders.	1 Eastman kodak.	1 leather case.	1 glass plate adaptor.	3 double glass plate holders for lot.	1 Premo tripod No. 3.	6 5 by 7 inch printing frames for lot.	2 8 by 10 inch develop- ing trays for lot.	2 porcelain lined devel- oping trays 16 by 20 inches for lot.	1 kodak film tank, 7 inches.	Total.
1	E. H. Clarke & Bro., Memphis, Tenn.....	\$83.45	\$2.00	\$5.00	\$3.75	\$5.00	\$1.25	\$1.75	\$4.50	\$7.50	\$114.20
2	Memphis Photo Supply Co., Memphis, Tenn.....	83.45	1.75	5.00	3.75	4.00	1.80	1.80	7.70	7.00	116.25
3	G. A. Woodson & Co., Mem- phis, Tenn.....	83.45	2.50	5.00	3.75	6.80	2.70	2.50	8.00	7.50	122.20

Bid No. 1 accepted.

*Abstract of proposals for furnishing wire strand received in response to public notice dated Sept. 27, 1909, and opened Oct. 1, 1909, by Maj. M. L. Walker, Corps of Engineers.*

No.	Names and addresses of bidders.	½-inch wire strand (40,000 pounds).	Total.
		<i>Per cwt.</i>	
1	Broderick & Bascom Rope Co., St. Louis, Mo.....	\$2.99	\$1,196.00
2	A. Leschen & Sons Rope Co., St. Louis, Mo.....	2.83	1,132.00

Bid No. 2 accepted.

*Abstract of proposals for furnishing wire strand, staples, and clips received in response to public notice dated Sept. 30, 1909, and opened Oct. 9, 1909, by Maj. M. L. Walker, Corps of Engineers.*

No.	Names and addresses of bidders.	Galva- nized wire No. 12, (7,000 pounds).	Silicon bronze wire No. 9 (1,000 pounds).	Wire strand ½ inch (10,000 pounds).	Staples, 1½ inch (1,500 pounds).	Clip ½ inch (500).	Total.
		<i>Per cwt.</i>	<i>Per cwt.</i>	<i>Per cwt.</i>	<i>Per cwt.</i>	<i>Each.</i>	
1	Pidgeon-Thomas Iron Co., Memphis, Tenn. <sup>1</sup> .....	\$2.45	\$19.10	\$3.60	\$2.50	\$0.3½	\$777.50
2	The Riechman-Crosby Co., Memphis, Tenn.....			3.75	.....		375.00
3	A. Leschen & Sons Rope Co., St. Louis, Mo.....			3.73	.....		373.00
4	Broderick & Bascom Rope Co., St. Louis, Mo. <sup>2</sup> .....			4.00	.....	.13	465.00

<sup>1</sup> Accepted.

<sup>2</sup> Delivery in 20 days.

*Abstract of proposals for levee work in Upper St. Francis levee district received in response to advertisement dated Sept. 28, 1909, and opened Oct. 28, 1909, by Maj. M. L. Walker, Corps of Engineers.*

No.	Names and addresses of bidders.	Station 46/24 to station 47/6.		Total.
		Enlarge- ment (35,000 cubic yards).	Grubbing 2 acres.	
1	P. H. Rogers, Memphis, Tenn.....	<i>Per cu. yd.</i> \$0.184	<i>Per acre.</i> \$150.00	\$6,740.00
2	Roach & Stansell, Memphis, Tenn.....	.179	50.00	6,365.00

*Abstract of proposals for levee work in White River levee district received in response to public notice dated Dec. 8, 1909, and opened Dec. 18, 1909, by Maj. M. L. Walker, Corps of Engineers.*

No.	Name and address of bidder.	Embank- ment at Avenue, Ark. (3,500 cubic yards).	Total.
1	W. B. Bush, Avenue, Ark.....	<i>Per cu. yd.</i> \$0.30	\$1,050.00

Accepted.

*Abstract of proposals for furnishing riprap stone and spalls received in response to advertisement dated Apr. 25, 1910, and opened May 17, 1910, by Maj. M. L. Walker, Corps of Engineers.*

No.	Names and addresses of bidders.	Delivered on govern- ment barges at quar- ries.		Total cost.	Location of quarries.
		Riprap (16,000 cubic yards).	Spalls (2,000 cubic yards).		
		<i>Cents.</i>	<i>Cents.</i>		
1	W. B. Arnold, Cape Girardeau, Mo.	81	81	\$14,580.00	Above Neelys Landing, Mo.
2	E. F. Wall & Phil J. Howard, Rosiclare, Ill.	72½	72½	13,050.00	Rosiclare, Ill.
3	C. C. Huthmacher, Grand Tower, Ill.	85	85	15,300.00	Grand Tower Ill.
4	Rock Product Co., Cape Girar- deau, Mo.	1 70	2 70	6,300.00	Grays Point, Mo.

<sup>1</sup> 8,000 yards only.

<sup>2</sup> 1,000 yards only.

*Abstract of proposals for furnishing creosote oil received in response to public notice dated May 3, 1910, and opened May 18, 1910, by Maj. M. L. Walker, Corps of Engineers.*

No.	Names and addresses of bidders.	Creosote oil.		Total cost.	
		In barrels (10,000 gal- lons).	In tank car (10,000 gal- lons).	In barrels.	In tanks.
		<i>Per gallon.</i>	<i>Per gallon.<sup>1</sup></i>		
1	Semet-Solvay Co., Chicago, Ill.....	\$0.135	\$0.095	\$1,350.00	\$950.00
2	F. J. Lewis Manufacturing Co., Moline, Ill.....	.15	.13	1,500.00	1,300.00

<sup>1</sup> Accepted.

*Abstract of proposals for furnishing material and labor for repairs to steamer Minnetonka received in response to public notice dated May 10, 1910, and opened May 25, 1910, by Maj. M. L. Walker, Corps of Engineers.*

No.	Names and addresses of bidders.	Oak lumber.						Pine lumber.	
		36 feet long (1,296 feet b. m.), per M feet.	20 feet long and over (8,000 feet b. m.), per M feet.	3 by 6 inches by 20 feet long (600 feet b. m.), per M feet.	3-inch plank-ing (1,500 feet b. m.), per M feet.	3½-inch futtocks (4,500 feet b. m.), per M feet.	3½-inch top tim-bers (6,000 feet b. m.), per M feet.	8 by 8 inches by 30 feet (160 feet b. m.), per M feet.	6 by 6 inches by 26 feet (156 feet b. m.), per M feet.
1	Ed. J. Howard, Jeffersonville, Ind.....	\$125.00	\$60.00	\$60.00	\$60.00	\$52.50	\$52.50	\$50.00	\$50.00
2	Helena Ship Yards & Dry Dock, Helena, Ark.....	75.00	70.00	60.00	60.00	45.00	50.00	45.00	45.00

No.	Names and addresses of bidders.	Best oakum (1,000 pounds), per pound.	Calking cotton (100 pounds), per pound.	Red lead in oil (200 pounds), per pound.	Spikes (2,600 pounds), per pound.	Wire nails (150 pounds), per pound.	Wagon box nails (150 pounds), per pound.	Assorted washers (800 pounds), per pound.	Plate washers (50 pounds), per pound.	White-lead paint (40 gallons), per gallon.	Assorted iron (800 pounds), per pound.
		Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.	Cts.
1	Ed. J. Howard, Jeffersonville, Ind.....	13	18	12½	5	5	5	11	5	12½	5
2	Helena Ship Yards & Dry Dock, Helena, Ark.....	8	15	9½	3	3	3	4	4	1.75	3

No.	Names and addresses of bidders.	Labor.					Docking, use of ways, and undocking.	Cost of lumber.
		Carpenters (7,800 hours), per hour.	Calkers (1,600 hours), per hour.	Laborers (3,200 hours), per hour.	Foreman (2), per day each.	Time-keeper (1), per day.		
1	Ed. J. Howard, Jeffersonville, Ind.....	Cents. 44½	Cents. 44½	Cents. 22½	\$4.50	\$2.50	\$275.00	\$1,335.05
2	Helena Ship Yards & Dry Dock, Helena, Ark.....	45	45	22½	5.00	3.00	175.00	1,299.92

No.	Names and addresses of bidders.	Cost of material.	Cost of labor.	Cost of docking, etc.	Total cost.	Remarks.
1	Ed. J. Howard, Jeffersonville, Ind.....	\$386.50	\$5,378.00	\$275.00	\$7,374.55	Work to be completed in 42 days.
2	Helena Ship Yards & Dry Dock, Helena, Ark.....	320.40	6,111.11	175.00	7,906.43	Work to be completed in 90 days.

<sup>1</sup> Each.



*Abstract of proposals for levee work in Reelfoot and White River levee districts received in response to advertisement dated May 19, 1910, and opened June 18, 1910, by Maj. M. L. Walker, Corps of Engineers.*

No.	Names and addresses of bidders.	Reelfoot levee district (stations 17/30 to 21/0),		Cost.	White River levee district (stations 9/45 to 11/49), enlargement (100,000 cubic yards), per cubic yard.	Cost.	Total cost.
		Enlargement (60,000 cubic yards), per cubic yard.	Grubbing 2 acres, per acre.				
		<i>Cents.</i>			<i>Cents.</i>		
1	Lawrance Bros., Memphis, Tenn.....	.....	.....	.....	17.4	\$17,400	\$17,400
2	W. L. Mosby, Memphis, Tenn.....	23.7	\$150	\$14,520	.....	.....	14,520
3	Roach & Stansell, Memphis, Tenn.....	24	175	14,750	15.8	15,800	30,550
4	Martin Jennings, Memphis, Tenn.....	.....	.....	.....	18.4	18,400	18,400
5	R. L. Leonard, Memphis, Tenn.....	.....	.....	.....	16.5	16,500	16,500

### THIRD DISTRICT, VICKSBURG, MISS.

[Officer: Capt. C. S. Smith, Corps of Engineers.]

*Abstract of proposals for furnishing and delivering about 30,000 cords of brush and poles for revetment work in the third district, Mississippi River Commission, received in response to advertisement dated June 4, 1909, and opened at noon, July 1, 1909, by Capt. Clarke S. Smith, Corps of Engineers, Vicksburg, Miss.*

No.	Name and address of bidder.	Per cord.	Amount.
1	C. W. Hunter, Memphis, Tenn.....	<sup>1</sup> \$1.50	\$45,000

<sup>1</sup> Accepted; bid not dated.

*Abstract of proposals for levee work in the third district, improving Mississippi River, received in response to advertisement dated June 2, 1909, and opened at 12 o'clock, noon, at Vicksburg, Miss., July 1, 1909, by Capt. Clarke S. Smith, Corps of Engineers.*

### LOWER YAZOO LEVEE DISTRICT IN MISSISSIPPI.

No.	Names and addresses of bidders.	Stations 1,328-1,500, 397 miles below Cairo (206,000 cubic yards enlargement).		Stations 2,400-2,550, 416 miles below Cairo (183,000 cubic yards enlargement).	
		Price per cubic yard.	Amount.	Price per cubic yard.	Amount.
		<i>Cents.</i>		<i>Cents.</i>	
3	Geo. Miller, Longwood, Miss.....	<sup>1</sup> 22.75	<sup>1</sup> \$46,865.00	<sup>1</sup> 22.75	<sup>1</sup> \$41,632.50
5	W. T. Lowrance & Co., Greenville, Miss.....	24.25	49,955.00	25.25	46,207.50
7	Leonard & Rodgers, Memphis, Tenn.....	26	53,560.00	24.90	45,567.00
8	Shields Bros. & Nystrom, Greenville, Miss.....	<sup>2</sup> 21.85	45,011.00	<sup>2</sup> 22.69	41,522.70
10	Roach & Stansell, Memphis, Tenn.....	<sup>3</sup> 22.9	<sup>3</sup> 47,174.00	<sup>3</sup> 22.9	<sup>3</sup> 41,907.00

<sup>1</sup> One piece only.

<sup>2</sup> Accepted.

<sup>3</sup> Both or none.

*Abstract of proposals for levee work in the third district, improving Mississippi River, received in response to advertisement dated June 2, 1909, etc.—Continued.*

## UPPER TENSAS LEVEE DISTRICT IN ARKANSAS.

No.	Names and addresses of bidders.	Stations 1,240-1,360, 442 miles below Cairo (80,000 cubic yards enlargement).		Stations 1,360-1,490, 446 miles below Cairo (80,000 cubic yards enlargement).		Stations 1,940-2,050, 467 miles below Cairo (90,000 cubic yards enlargement).	
		Price per cubic yard.	Amount.	Price per cubic yard.	Amount.	Price per cubic yard.	Amount.
		<i>Cents.</i>		<i>Cents.</i>		<i>Cents.</i>	
1	George R. Lacy, Arkansas City, Ark.	24.75	\$19,800.00	21.45	\$17,160.00		
2	Clark & Parker, Vicksburg, Miss.	20.90	16,720.00	21.90	17,520.00	19.90	\$17,910.00
5	W. T. Lowrance & Co., Greenville, Miss.	21.90	17,520.00	21	16,800.00	24.70	22,230.00
7	Leonard & Rodgers, Memphis, Tenn.	23.50	18,800.00	23.50	18,800.00		
8	Shields Bros. & Nystrom, Greenville, Miss.	18.49	14,792.00	16.35	13,080.00		
9	Gibson & Linnan, Natchez, Miss.	23	18,400.00	23	18,400.00		
10	Roach & Stansell, Memphis, Tenn.	21.9	17,520.00	21.9	17,520.00	21.9	19,710.00
12	Donovan & Daley, Lake Providence, La.	20.9	16,720.00	17.7	14,160.00	20.9	18,810.00
		19.7	15,760.00	19.7	15,760.00	19.7	17,730.00
14	Marlow & Hodge, Natchez, Miss.					27.89	25,101.00

## UPPER TENSAS LEVEE DISTRICT IN LOUISIANA.

No.	Names and addresses of bidders.	Stations 3,407-3,428, 583 miles below Cairo (90,000 cubic yards new levee).		Stations 3,428-3,448, 583 miles below Cairo (100,000 cubic yards new levee).		Stations 3,448-3,473, 583 miles below Cairo (120,000 cubic yards new levee).	
		Price per cubic yard.	Amount.	Price per cubic yard.	Amount.	Price per cubic yard.	Amount.
		<i>Cents.</i>		<i>Cents.</i>		<i>Cents.</i>	
1	George R. Lacy, Arkansas City, Ark.	32.25	\$29,025.00				
4	Helgason Bros., Vicksburg, Miss.	18.50	16,650.00	25	\$25,000.00	20.50	\$24,600.00
6	Nicholson & Williamson, Lake Providence, La.					29.91	35,892.00
7	Leonard & Rodgers, Memphis, Tenn.	24	21,600.00	24	24,000.00	24	28,800.00
8	Shields Bros. & Nystrom, Greenville, Miss.	24.49	22,041.00				
9	Gibson & Linnan, Natchez, Miss.	19.75	17,775.00	26.70	26,700.00	25.60	30,720.00
		23.90	21,510.00	23.90	23,900.00	23.90	28,680.00
10	Roach & Stansell, Memphis, Tenn.	21	18,900.00	21	21,000.00	21	15,200.00
11	H. F. Garbish, Vicksburg, Miss.	23	20,700.00	34	34,000.00	24.45	29,340.00
12	Donovan & Daley, Lake Providence, La.	19.7	17,730.00	26.9	26,900.00	23.7	28,440.00
13	Dameron & White, New Orleans, La.	28	25,200.00	28	28,000.00	28	33,600.00
14	Marlow & Hodge, Natchez, Miss.	23.24	20,916.00			26.20	31,440.00

1 Accepted.

2 All or none.

3 For all.

## REMARKS.

Bid No. 1: Third item of bid altered without explanation. Guaranty informal.

Bid No. 2: Bid not signed by one of firm and names of members not given.

Bid No. 3: Name of bidder omitted from 13th line of guaranty. No certification of guarantors. Can accept only one piece of work.

Bid No. 4: Bid not signed by one of firm and names of members not given.

Bid No. 5: "All or none" not stated on duplicate bid. Justification of guarantors not 10 per cent of total of bid.

Bid No. 6: Erasures in bid not explained. Bid not signed by one of firm and names of members not given.

Bid No. 7: Bid not dated. Not signed by one of firm and names of members not given; justification of guarantors not 10 per cent of total of bid.

Bid No. 8: Prepared to undertake about 350,000 cubic yards. Bid not signed by one of firm and names of members not given. Justification of guarantors not 10 per cent of total of bid.

Bid No. 9: Bid not dated. Justification of guarantors not 10 per cent of total of bid.

Bid No. 10: Bid not signed by one of firm and names of members not given.

Bid No. 11: Prepared to undertake 120,000 cubic yards. Justification of guarantors not 10 per cent of total of bid.

Bid No. 12: Prepared to undertake 250,000 cubic yards. Bid not signed by one of firm and names of members not given. Date of bid not inserted in guaranty. Justification of guarantors not 10 per cent of total of bid.

Bid No. 13: Bid not dated. Not signed by one of firm and names of members not given.

Bid No. 14: Prepared to undertake 180,000 cubic yards. Bid not dated. Not signed by one of firm and names of members not given. Date of bid not inserted in guaranty and name of bidder given as H. F. Hodge.

*Abstract of proposals for constructing stations 871-916, Arkansas River, new levee, estimated to contain about 90,000 cubic yards of embankment, received in response to advertisement dated Sept. 10, 1909, and opened at 12 o'clock, noon, Sept. 28, 1909, by Capt. Clarke S. Smith, Corps of Engineers, Vicksburg, Miss.*

No.	Name and address of bidder.	Price per cubic yard.	Amount.
1	W. T. & E. M. Lowrance, Scott, Miss.....	Cents. 1 32.7	\$29,430.00+

<sup>1</sup> Accepted.

Proposal provides for "2 cents extra per yard for incomplete work on stations 871-875 and 891-897."

Bid not dated and not signed by a member of the firm as required by specification 9. Duplicate bid not signed at all and address not given. Guaranty informal; Crawford Grocery Co., by its secretary and treasurer, signing as an individual, without evidence of that official's authority.

*Abstract of proposals for constructing and delivering steel barges, received in response to advertisement dated Aug. 16, 1909, and opened at Vicksburg, Miss., 12 o'clock, noon, Oct. 6, 1909, by Capt. Clarke S. Smith, Corps of Engineers.*

[Appropriation for improving Mississippi River (allotment for "plant, third district").]

No.	Names and addresses of bidders.	Price each for—		Alternate bid under specification 47.		Remarks.
		(a) 2 barges.	(b) 4 barges.	(a) 2 barges.	(b) 4 barges.	
1	The Springfield Boiler & Manufacturing Co., Springfield, Ill.	\$11,873	\$11,873	.....	.....	Time of delivery, 150 calendar days.
2	Nashville Bridge Co., Nashville, Tenn.	12,500	.....	.....	.....	Time of delivery, 200 calendar days. No evidence furnished of authority of president to make bid. Name of bidder omitted from ninth line of guaranty.
3	The Johnson Iron Works (Ltd.), post-office box 241, New Orleans, La.	.....	.....	\$13,300	\$13,300	Time of delivery, (a) 110 calendar days, (b) 170 calendar days. Proposal subject to modified specifications 16-30 attached to and blue-print accompanying bid. Proposal states "If entire bottom is made of three-eighth inch plate the cost will be \$150 each. If barges are accepted and delivered in New Orleans, this estimate can be reduced \$250 each."
4	Chas. Hegewald Co., New Albany, Ind.	15,939	15,939	.....	.....	Time of delivery, (a) 240 calendar days, (b) 360 calendar days. J. F. C. Hegewald's name written J. C. Hegewald in body of one copy of guaranty.
5	Clinton Ship Building & Repair Co., foot of Tloga St., Philadelphia, Pa.	16,000	16,000	.....	.....	Time of delivery: (a) 6 months, 204 working days; (b) 9 months, 310 working days. Place of delivery for (b) changed in bid from Greenville, Miss., to Philadelphia, Pa. Bid not in duplicate and not accompanied by a guaranty. Bid signed by initial. No evidence of authority furnished.
6	American Bridge Co. of New York.	11,000	10,750	9,650	<sup>1</sup> 9,400	Time of delivery: (a) 210 calendar days, (b) 240 calendar days. Alternate bid contemplates barges of design shown in blue print accompanying bid. No evidence furnished of authority of A. C. Mgr. to make bid. Second item, figures given as (\$10,754) for each barge on duplicate bid.

<sup>1</sup> Accepted.

*Abstract of proposals for the construction and delivery of a steel floating dry dock received in response to advertisement dated Nov. 26, 1909, and opened at 12 o'clock, noon, Jan. 5, 1910, by Capt. Clarke S. Smith, Corps of Engineers.*

[Appropriation for Improving Mississippi River (allotment for "plant, third district)."]

Item No.	Character of proposal.	Name and address of bidder.									
		(1) American Bridge Co. of New York, Frick Building, Pittsburg, Pa.		(2) The Springfield Boiler & Manufacturing Co., Springfield, Ill.		(3) The Johnson Iron Works (Ltd.), 1412 Duffort St., New Orleans, La.		(4) C. Trimborn, care of Milwaukee Bridge Co., 1400 34th St., Milwaukee, Wis.		(5) Des Moines Bridge & Iron Co., Des Moines, Iowa.	
		Amount.	Delivery. <sup>1</sup>	Amount.	Delivery. <sup>1</sup>	Amount.	Delivery. <sup>1</sup>	Amount.	Delivery. <sup>1</sup>	Amount.	Delivery. <sup>1</sup>
1	Dock as per specifications 25-55. ....	\$45,000	Days. 300	\$40,400	Days. 210	\$47,500	Days. 275	\$42,185	Days. 225	\$44,990	Days. 300
2	Dock as per specifications 25-55, substituting wrought iron of same thickness for bottom and side steel plating (specification 84).										
	<i>Alternative design.</i>										
3	Dock as per specifications 56-82. ....	45,000	300	42,250	210	51,950	275	42,330	225	.....	.....
4	Dock as per specifications 56-82, substituting wrought iron of same thickness for bottom and side steel plating (specification 84).										
	<i>Additional alternative design.</i>										
5	Dock as per bidder's plans (specification 83).	243,000	270	-----	-----	-----	-----	-----	-----	-----	-----
6	Dock as per bidder's plans (specification 83), substituting wrought iron of same thickness for bottom and side steel plating (specification 84).	39,000	240	-----	-----	-----	-----	-----	-----	-----	-----

<sup>1</sup> Calendar days within which delivery will be made after date of notification of approval of contract.

<sup>2</sup> Accepted.

Bids Nos. 1 and 2. Evidence of authority for signatures not furnished.

Bid No. 1, item 5, second price, \$39,000, subject to bidder's specification for painting.

Bid No. 2. Address not given at foot of bid.

*Abstract of proposals for furnishing about 3,000 cubic yards of stone and quarry spalls on barges, received in response to advertisement dated Mar. 15, 1910, and opened at 12 o'clock noon, Apr. 4, 1910, by Capt. Clarke S. Smith, Corps of Engineers.*

[Appropriation for improving Mississippi River (allotment for revetment work in third district).]

No.	Names and addresses of bidders.	Place of delivery.	Price per cubic yard on barges.
			Cents.
1	Grafton Quarry Co., 207 North Eighth Street, St. Louis, Mo. ....	Grafton, Ill. ....	175.0
2	Rees & Nagel, Hannibal, Mo. ....	Hannibal, Mo. ....	97.5
3	Charles C. & George F. Dimick, Rosiclare, Ill. ....	Rosiclare, Ill. ....	65.0

<sup>1</sup> Accepted.

Bid No. 2 not in duplicate and not dated. Date of bid not inserted in guaranty and signature of one guarantor without seal or witness. Justification of guarantors in sum of \$3 instead of \$300 each and certification omitted.

Bid No. 3 not signed and without a guaranty.

*Abstract of proposals for furnishing about 20,000 cubic yards of stone, received in response to advertisement dated Mar. 17, 1910, and opened at 12 o'clock noon, Apr. 18, 1910, at United States Engineer Office, Vicksburg, Miss.*

[Appropriation for improving Mississippi River (allotments for revetment work in third district).]

No.	Names and addresses of bidders.	Proposed place of delivery.	Price per cubic yard.
1	Guy Dickinson, 111 Center St., Little Rock, Ark.	By rail at Luna Landing, Ark. ....	\$2.50
2	F. W. Katterjohn, Paducah, Ky. ....	By rail at Greenville, Miss. ....	2.16
		By rail at Southern R. R. south of Greenville, Miss. ....	2.16
3	Oscar F. Barrett, room 513, Chamber of Commerce Building, Cincinnati, Ohio.	On barges at Greenville, Miss. ....	2.10
4	Foster-Creighton-Gould Co., No. 3 Berry Block, Nashville, Tenn.	By rail at Greenville, Miss. Southern R. R. tipple.	1.99

<sup>1</sup> Accepted.

Bid No. 1 contains provision for weighing at Little Rock contrary to specification 20, provision as to locality where stone shall be unloaded, and provision for release from any penalty or expense in case bidder is unable to secure cars for transportation. Bid submitted in triplicate.

Bid No. 2. Certified check for \$6,000 furnished by bidder in place of guaranty.

Bid No. 3. Bidder erased portion of specification 18 beginning with words "Not more," second line, to end of seventh line, and all of the second paragraph of specification 19 beginning with words "The United States," third line, to end of seventh line, his bid containing the following insertion: "Delivered on barges at Greenville, Miss., total amount to be delivered within four months after awardance of contract, allowing ten days to unload each tow or pay ten dollars (\$10.00) per day demurrage for each day overtime. I would expect to deliver the above quantity in three tows and make delivery as quick as possible."

Bid No. 4 signed by president. Evidence of his authority not filed. Signature to the guaranty of surety company by its attorney in fact not attested.

*Abstract of proposals for furnishing about 36,000 cords of brush and poles for revetment work in this district, received in response to advertisement dated Mar. 19, 1910, and opened at 12 o'clock noon, Apr. 19, 1910, at United States Engineer Office, Vicksburg, Miss.*

[Appropriation for improving Mississippi River (allotments for revetment work in third district).]

No.	Name and address of bidder.	Price per cord of 128 cubic feet.
1	C. W. Hunter, Memphis, Tenn. ....	\$1.65

Accepted.

Bid dated April 19, 1910. Guaranty gives date of bid as April 16, 1910.

## FOURTH DISTRICT, NEW ORLEANS, LA.

[Officer: Capt. H. Burgess, Corps of Engineers.]

*Abstract of proposals received in response to public notice by newspaper advertisement dated July 31, 1909, and opened Aug. 30, 1909, by Capt. H. Burgess, Corps of Engineers, for levee work in fourth district, improving Mississippi River.*

No.	Names and addresses of bidders.	Lower Tensas levee district. Greens, lot 3, secs. 1-9 (722 R), 119,000 cubic yards.		Remarks.
		Per cubic yard.	Amount.	
		<i>Cents.</i>		
1	O. A. Gibson, Natchez, Miss. ....	34.00	\$40,460.00	Insufficient surety. Complete by Jan. 1, 1911. 12,500 cubic yards per month. Complete by Jan. 1, 1911.
2	Israel R. Bobbitt, Boguere, La. ....	29.40	34,986.00	
3	Robt. T. Clark, Natchez, Miss. ....	<sup>1</sup> 27.98	33,296.20	
4	W. C. Mullen, Boguere, La. ....	29.80	35,462.00	
5	H. F. Hodge and James R. Marlow, Natchez, Miss. ....	28.97	34,474.30	Do.
6	Donovan & Daley, Lake Providence, La. ....	29 <sup>7</sup> / <sub>8</sub>	35,551.25	
7	A. E. Parker, Vicksburg, Miss. ....	28.90	34,391.00	
8	Helgason Bros., Vicksburg, Miss. ....	28.45	33,855.50	

<sup>1</sup>Accepted.

Original estimated cost, 31 cents per cubic yard.

*Abstract of proposals received in response to public notice by newspaper advertisement and circular letter dated Aug. 21, 1909, and opened Sept. 20, 1909, by Capt. H. Burgess, Corps of Engineers, for constructing Cognevich Levee (1026 R), in the Barataria levee district, fourth district, improving Mississippi River.*

No.	Names and addresses of bidders.	About 7,000 cubic yards.		Remarks.
		Per cubic yard.	Amount.	
		<i>Cents.</i>		
1	C. Henritzy, Nestor, La. ....	24 <sup>3</sup> / <sub>4</sub>	\$1,703.00	Certified check for \$170; duplicate bid not signed.
2	Geo. H. Conrad, New Orleans, La. ....	<sup>1</sup> 19.40	1,358.00	
3	Jos. Hingle, Empire, La. ....	23 <sup>3</sup> / <sub>4</sub>	1,633.33	
4	P. H. Lyons, Nairn, La. ....	23.99	1,679.30	

<sup>1</sup>Accepted.

Original estimated cost, 25 cents per cubic yard.

68641°—H. Doc. 1096, 61-3—12



*Abstract of proposals received in response to public notice by newspaper advertisement, dated Sept. 30, 1909, and opened Oct. 30, 1909, by Maj. H. Burgess, Corps of Engineers, for Gem Levee, Pontchartrain levee district (882-L), fourth district, improving Mississippi River.*

No.	Names and addresses of bidders.	130,000 cubic yards.		Date of completion or rate of progress.
		Per cubic yard.	Amount.	
		<i>Cents.</i>		
1	O. A. Gibson, Natchez, Miss.....	<sup>1</sup> 16.99	\$22,087.00	Complete Dec. 31, 1910.
2	Israel R. Bobbitt, Bogere, La.....	19.70	25,610.00	Complete Jan. 1, 1911.
3	R. T. Clark, Natchez, Miss.....	18.00	23,400.00	Not stated.
4	A. E. Parker, Vicksburg, Miss.....	22.00	28,600.00	10,000 cubic yards per month.
5	Hearin & Ryan, Baton Rouge, La.....	19.94	25,922.00	Complete Dec. 1, 1910.
6	W. C. Mullen, Bogere, La.....	18.97	24,661.00	Complete Feb. 1, 1911.
7	N. Frey, New Orleans, La.....	<sup>2</sup> 16.40	<sup>3</sup> 21,060.00	Not stated.

<sup>1</sup> Accepted.

<sup>2</sup> Changed to 16.20 cents.

<sup>3</sup> Guaranty not executed under corporate seal (as required by Army Regulations 582).

Original estimated cost, 18 cents per cubic yard.

*Abstract of proposals received in response to public notice by advertisement, circular letter, dated Nov. 8, 1909, and opened Dec. 8, 1909, by Maj. H. Burgess, Corps of Engineers, for Boisblanc Levee (950-L), Pontchartrain levee district, fourth district, improving Mississippi River.*

No.	Names and addresses of bidders.	Sec. 1-4, about 50,000 cubic yards.		Remarks.
		Per cubic yard.	Amount.	
		<i>Cents.</i>		
1	M. L. Linnan, New Orleans, La.....	17.73	\$8,865.00	10,000 cubic yards per month.
2	N. Frey, New Orleans, La.....	16.90	8,450.00	Complete Jan. 1, 1911.
3	Hearin & Ryan, Baton Rouge, La.....	14.94	7,470.00	10,000 cubic yards per month, or complete by Dec. 1, 1910.
4	Israel R. Bobbitt, Bogere, La.....	16.40	<sup>1</sup> 8,200.00	12,000 cubic yards per month.
5	Robt. T. Clark, Natchez, Miss.....	<sup>2</sup> 14.90	7,450.00	8,000 cubic yards per month.

<sup>1</sup> Certified check, \$1,000.

<sup>2</sup> Accepted.

Original estimated price, 15 cents per cubic yard.

Abstract of proposals received in response to public notice by advertisement, circular letter, dated Apr. 26, 1910, and opened May 25, 1910, by Maj. H. Burgess, Corps of Engineers, for 50,000 tons of rock for Kempe and Giles Bends.

[Improving Mississippi River.]

No.	Names and addresses of bidders.	On United States barges at—					
		Vicksburg.		Angola.		Naples.	
		Per ton.	Amount.	Per ton.	Amount.	Per ton.	Amount.
1	Richard M. Murphy, New Orleans, La.	\$1.93	\$96,500.00				
2	John Riess, New Orleans, La.	2.20	110,000.00	\$2.00	\$100,000.00	\$1.95	\$97,500.00
3	Zeb Ward, Little Rock, Ark.						
4	Frank A. Daniels, New Orleans, La.						
5	C. C. Huthmacher, Grand Tower, Ill.						
6	A. J. Terrell, Bessemer, Ala.	2.38	119,000.00				
7	F. W. Katterjohn Construction Co., Paducah, Ky.						
8	J. W. Thompson, New Orleans, La.	2.20	110,000.00				

No.	Names and addresses of bidders.	On United States barges at—					
		Vidalia.		New Orleans.		Kempe and Giles.	
		Per ton.	Amount.	Per ton.	Amount.	Per ton.	Amount.
1	Richard M. Murphy, New Orleans, La.						
2	John Riess, New Orleans, La.						
3	Zeb Ward, Little Rock, Ark.	\$2.20	\$110,000.00				
4	Frank A. Daniels, New Orleans, La.			\$2.75	\$137,500.00		
5	C. C. Huthmacher, Grand Tower, Ill.					\$2.52	\$126,500.00
6	A. J. Terrell, Bessemer, Ala.						
7	F. W. Katterjohn Construction Co., Paducah, Ky.						
8	J. W. Thompson, New Orleans, La.					2.60	130,000.00

No.	Names and addresses of bidders.	Cars at Vicksburg, New Orleans, and Natchez.		On Finley Docks, Vicksburg.		Remarks.
		Per ton.	Amount.	Per ton.	Amount.	
1	Richard M. Murphy, New Orleans, La.					Quarries in Rankin County, Miss.
2	John Riess, New Orleans, La.					Quarries at Winnfield, La.
3	Zeb Ward, Little Rock, Ark.					Informal; 10,000 tons only.
4	Frank A. Daniels, New Orleans, La.					15,000 to 20,000 tons.
5	C. C. Huthmacher, Grand Tower, Ill.					Quarries at Grand Tower, Ill.; also on barges.
6	A. J. Terrell, Bessemer, Ala.					Informal; telegram.
7	F. W. Katterjohn Construction Co., Paducah, Ky.	\$1.95	\$97,500.00	\$2.00	\$100,000.00	Quarries at Cedar Bluff, Ky.
8	J. W. Thompson, New Orleans, La.					Concrete blocks.

<sup>1</sup> Accepted. <sup>2</sup> Demands \$5 per day demurrage after 15 days when loaded on his own barges.

Original estimated cost \$2.25 per ton.

*Abstract of proposals received in response to public notice by advertisement, newspaper and circular letter, dated May 25, 1910, and opened June 24, 1910, by Maj. H. Burgess, Corps of Engineers, for constructing and delivering the steel-hull stern-wheel towboat "Teche."*

[Improving Mississippi River. Allotment plant, fourth district.]

No.	Names and addresses of bidders.	Delivery at—		Alternate bid, Hege- wald engines.	Remarks.
		New Orleans.	Con- tractor's yards.		
1	Ed. J. Howard, Jeffersonville, Ind....	\$17,695	<sup>1</sup> \$16,850	\$15,875	Certified check, \$2,185.
2	Charles Barnes Co., Cincinnati, Ohio..	25,608	25,108	.....	
3	Chas. Ward Engineering Co., Charles- town, W. Va.	.....	21,850	.....	
4	Thos. M. Rees, Pittsburg, Pa. ....	20,850	19,450	.....	Bid received by mail too late for consideration.
5	Johnson Iron Works Co. (Ltd.), New Orleans, La.	21,443	.....	.....	
6	James M. Sweeney, Jeffersonville, Ind.	21,400	.....	.....	

<sup>1</sup> Accepted.

Original estimated cost, \$17,000.

*Abstract of proposals received in response to public notice by advertisement dated May 28, 1910, and opened June 27, 1910, by Maj. H. Burgess, Corps of Engineers, for levees, Lower Tensas levee district.*

[Improving Mississippi River, fourth district. Lower Tensas levee district.]

No.	Names and addresses of bidders.	110,000 cubic yards (626 R), Loyd. <sup>1</sup>		78,000 cubic yards (627.5 R), Buck Ridge. <sup>1</sup>	
		Per cubic yard.	Amount.	Per cubic yard.	Amount.
		<i>Cents.</i>		<i>Cents.</i>	
1	Israel R. Bobbitt, Natchez, Miss. ....	<sup>2</sup> 17.70	<sup>2</sup> \$19,470.00	25.70	\$20,046.00
2	Parker & Barrow, Vicksburg, Miss. ....	21.40	23,540.00	20.90	16,302.00
3	O. A. Gibson, Natchez, Miss. ....	22.00	24,200.00	25.00	19,500.00
4	Helgason Bros., Vicksburg, Miss. ....	18.90	.....	18.90	.....
5	W. C. Mullen, Vicksburg, Miss. ....	19.00	.....	19.00	.....
6	Linnan Bros., Baton Rouge, La. ....	21.39	.....	21.39	.....
7	H. F. Garbish, Vicksburg, Miss. ....	18 $\frac{3}{4}$	.....	18 $\frac{3}{4}$	.....
8	Robert T. Clark, Natchez, Miss. ....	19.27	21,197.00	17.00	13,260.00
9	Donovan & Daley, Lake Providence, La. ....	18 $\frac{3}{4}$	20,762.50	<sup>2</sup> 15.40	<sup>2</sup> 12,012.00
10	J. M. Sullivan, Montgomery, Ala. ....	18.37	20,207.00	16.47	12,846.60

No.	Names and addresses of bidders.	131,000 cubic yards (629 R), Elk Ridge. <sup>1</sup>		319,000 cubic yards (all). <sup>1</sup>		Remarks.
		Per cubic yard.	Amount.	Per cubic yard.	Amount.	
		<i>Cents.</i>		<i>Cents.</i>		
1	Israel R. Bobbitt, Natchez, Miss. ....	24.90	\$32,619.00	22.25	\$70,977.50	Surety <b>only</b> \$4,000 each. All or none. Do. Certified check, \$7,000; all or none. All or none.
2	Parker & Barrow, Vicksburg, Miss. ....	23.90	31,309.00	.....	71,151.00	
3	O. A. Gibson, Natchez, Miss. ....	23.00	30,130.00	.....	73,830.00	
4	Helgason Bros., Vicksburg, Miss. ....	18.90	.....	.....	60,291.00	All or none.
5	W. C. Mullen, Vicksburg, Miss. ....	19.00	.....	.....	60,610.00	
6	Linnan Bros., Baton Rouge, La. ....	21.39	.....	.....	68,234.10	
7	H. F. Garbish, Vicksburg, Miss. ....	18 $\frac{3}{4}$	.....	.....	58,616.25	All or any.
8	Robert T. Clark, Natchez, Miss. ....	<sup>2</sup> 19.05	<sup>2</sup> 24,955.00	18.24	58,185.60	
9	Donovan & Daley, Lake Providence, La. ....	19 $\frac{1}{2}$	26,036.25	.....	58,810.75	
10	J. M. Sullivan, Montgomery, Ala. ....	22.43	29,383.30	.....	62,436.90	

<sup>1</sup> Actual quantities determined by survey and computation. <sup>2</sup> Recommended for acceptance.

Original estimate of cost: 626 R, 21 cents per cubic yard; 627.5 R, 20 cents per cubic yard; 629 R, 25 cents per cubic yard.

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