

same were lost at sea without fault or neglect of the owner or shipper thereof.

APPROVED, March 3, 1873.

March 3, 1873. CHAP. CCXXXIII. — *An Act making Appropriations for the Repair, Preservation, and Completion of certain public Works on Rivers and Harbors, and for other Purposes.*

Be it enacted by the Senate and House of Representatives of the United States of America, in Congress assembled, That the following sums of money be, and are hereby, appropriated, to be paid out of any money in the treasury not otherwise appropriated, to be expended under the direction of the Secretary of War, for the repair, preservation, and completion of the following public works hereinafter named:

For the purpose of dredging out the bay of Superior from the natural entrance to the docks of Superior and Du Luth and preserving both entrances from the lake thereto, one hundred thousand dollars.

For the improvement of Marquette harbor, Michigan, fifteen thousand dollars.

For the improvement of Menomonee harbor, Michigan and Wisconsin, twenty-five thousand dollars.

For the improvement of Green Bay harbor, Wisconsin, twenty thousand dollars.

For the improvement of Two Rivers harbor, Wisconsin, twenty-five thousand dollars.

For the improvement of Manitowoc harbor, Wisconsin, twenty thousand dollars.

For the improvement of Sheboygan harbor, Wisconsin, ten thousand dollars.

For the improvement of Port Washington harbor, Wisconsin, fifteen thousand dollars.

For the improvement of Milwaukee harbor, Wisconsin, ten thousand dollars.

For the improvement of Racine harbor, Wisconsin, twenty thousand dollars.

For the improvement of Chicago harbor, Illinois, ninety thousand dollars.

For the improvement of Calumet harbor, Illinois, forty thousand dollars.

For the improvement of Michigan City harbor, Indiana, fifty thousand dollars.

For the improvement of the Fox and Wisconsin rivers, three hundred thousand dollars.

For the improvement of Manistee harbor, Michigan, ten thousand dollars.

For the improvement of Ludington harbor, Michigan, twenty-five thousand dollars.

For the improvement of the harbors of Washington and Georgetown, District of Columbia, fifty thousand dollars.

For the improvement of Great Kanawha river, West Virginia, twenty-five thousand dollars.

For the improvement of White River harbor, Michigan, seven thousand dollars.

For the improvement of Frankfort harbor, Michigan, ten thousand dollars.

For the improvement of Grand Haven harbor, Michigan, seventy-five thousand dollars.

For the improvement of Black Lake harbor, Michigan, twelve thousand dollars.

For the improvement of Saugatuck harbor, Michigan, ten thousand dollars.	Saugatuck.
For the improvement of South Haven harbor, Michigan, twenty thousand dollars.	South Haven
For the improvement of Monroe harbor, Michigan, fifteen thousand dollars.	Monroe.
For the improvement of Cheboygan harbor, Michigan, fifteen thousand dollars.	Cheboygan.
For the improvement of Saint Mary's Falls canal, two hundred thousand dollars.	Saint Mary's Falls canal.
For the improvement of Saint Clair river, at the mouth of Black river, fifteen thousand dollars.	Saint Clair river.
For the improvement of harbor of Refuge, on Lake Huron, seventy-five thousand dollars.	Harbor of Refuge.
For the improvement of Pentwater harbor, Michigan, twenty thousand dollars.	Pentwater.
For the improvement of Saint Clair Flats canal, one hundred thousand dollars.	Saint Clair Flats canal.
For the improvement of Toledo harbor, Ohio, one hundred thousand dollars.	Toledo.
For the improvement of Sandusky City harbor, Ohio, twenty-five thousand dollars.	Sandusky City.
For the improvement of Vermillion harbor, Ohio, twelve thousand dollars.	Vermillion.
For the improvement of Black River harbor, Ohio, twenty thousand dollars.	Black River.
For the improvement of Cleveland harbor, Ohio, one thousand dollars.	Cleveland.
For the improvement of Ashtabula harbor, Ohio, sixteen thousand dollars.	Ashtabula.
For the improvement of Conneaut harbor, Ohio, four hundred dollars.	Conneaut.
For the improvement of Dunkirk harbor, New York, forty thousand dollars.	Dunkirk.
For the improvement of Buffalo harbor, New York, seventy-five thousand dollars.	Buffalo.
For the improvement of Olcott harbor, New York, ten thousand dollars.	Olcott.
For the improvement of Oak Orchard harbor, New York, ten thousand dollars.	Oak Orchard.
For the improvement of Pultneyville harbor, New York, ten thousand dollars.	Pultneyville.
For the improvement of Little Sodus harbor, New York, fifteen thousand dollars.	Little Sodus.
For the improvement of Oswego harbor, New York, one hundred thousand dollars.	Oswego.
For the improvement of Waddington harbor, New York, ten thousand dollars.	Waddington.
For the improvement of Ogdensburgh harbor, New York, six thousand dollars.	Ogdensburgh.
For the improvement of Plattsburgh harbor, New York, ten thousand dollars.	Plattsburgh.
For the improvement of Swanton harbor, Vermont, fifteen thousand dollars.	Swanton.
For the removal of a sand-bar in the harbor at the mouth of Black river, New York, five thousand dollars, or so much thereof as may be necessary.	Mouth of Black river.
For the improvement of Peconic river, Long island, New York, ten thousand dollars.	Peconic river.

- Burlington. For the improvement of Burlington harbor, Vermont, twenty-five thousand dollars.
- Falls of St. Anthony and Mississippi river. For the preservation of the falls of Saint Anthony, Minnesota, and the navigation of the Mississippi river above the same, fifty thousand dollars.
- Minnesota river. Proviso. For the improvement of the Minnesota river, Minnesota, ten thousand dollars: *Provided*, That one half of said sum shall be expended between the mouth of the Yellow Medicine and Minnesota falls on said river.
- Lock and dam at Meeker's Island. For construction of the lock and dam on the Mississippi river, at Meeker's island, Minnesota, according to the surveys and plans of the War Department, twenty-five thousand dollars: *Provided*, That all rights and claims in and to the land-grant made to the State of Minnesota for the above work, by act approved July twenty-third, eighteen hundred and sixty-eight, shall be fully relinquished to the United States before any of this appropriation is expended.
- Rights of Minnesota to be first relinquished.
- Upper Mississippi river. For the improvement of the Upper Mississippi river, twenty-five thousand dollars.
- Illinois river. For the improvement of the Illinois river, one hundred thousand dollars.
- Des Moines rapids. For the improvement of the Des Moines rapids, Mississippi river, four hundred thousand dollars.
- Rock Island rapids. For the improvement of the Rock Island rapids, Mississippi river, fifty thousand dollars.
- Harbor of Refuge. For the improvement of the harbor of Refuge at the entrance of the Sturgeon Bay canal, forty thousand dollars.
- Mississippi, Missouri, and Arkansas rivers. For the improvement of the Mississippi, Missouri, and Arkansas rivers, one hundred thousand dollars.
- Yazoo river. For improvement of Yazoo river, forty thousand dollars.
- Tombigbee river. The ten thousand dollars appropriated at the second session of the Forty-second Congress for the improvement of the Tombigbee river shall be expended in the State of Mississippi.
- Ante*, p. 375.
- Osage river. For the improvement of the Osage river, Missouri, twenty-five thousand dollars.
- White and Saint Francis rivers. For the improvement of the White and Saint Francis rivers, fifty thousand dollars.
- Ouachita river. For the improvement of the Ouachita river, in Louisiana, sixty thousand dollars.
- Mississippi river. For the improvement of the Mississippi river between the mouth of the Missouri river and the mouth of the Ohio river, two hundred thousand dollars.
- Ohio river. For the improvement of the Ohio river, two hundred thousand dollars.
- Godfrey Weitzell to adjust and pay legal, &c., claims of J. C. Dennis; And that Godfrey Weitzell of the corps of engineers, United States army, in charge of the Louisville and Portland canal, is hereby empowered and directed, subject to the approval of the chief of engineers of said corps, to adjust and pay, out of any money appropriated for the improvement of said canal, to J. C. Dennis any legal or equitable claims he may have against the United States arising out of work done by him under Hugh McGlincy and Company's contract to perform work on said canal, in the years eighteen hundred and seventy-one and eighteen hundred and seventy-two; and said Godfrey Weitzell is further authorized and directed to pay to said J. C. Dennis, in addition to the amount above provided for, such other sums as said Weitzell shall find that said Dennis is legally or equitably entitled to as assignee of Hugh McGlincy and Company for work done by said Dennis on said improvement: *Provided*, That such sums shall not exceed the amount due and owing by the government of the United States for work done under said contract of Hugh McGlincy and Company, and that the sums thus received of Weitzell shall be in full of the claim of said McGlincy and Company under their
- further sums as assignee.
- Amounts not to exceed what the United States owes under contract with Hugh McGlincy & Co.

contract, and in full of the claim of said Dennis as the assignee of said firm.

For completing the Louisville and Portland canal, one hundred thousand dollars; and the Secretary of the Treasury is authorized and directed to assume, on behalf of the United States, the control and management of the said canal in conformity with the terms of the joint resolution of the legislature of the State of Kentucky, approved March twenty-eighth, eighteen hundred and seventy-two, at such time and in such manner as in his judgment the interests of the United States, and the commerce thereof, may require; and the sum of money necessary to enable the Secretary of the Treasury to carry this provision into effect is hereby appropriated: *Provided*, That after the United States shall assume control of said canal, the tolls thereon on vessels propelled by steam shall be reduced to twenty-five cents per ton, and on all other vessels in proportion.

Louisville and Portland canal. United States to assume the control, &c., of said canal.

Appropriation.

Tolls to be reduced.

For the improvement of the Upper Monongahela river, near Morgantown, West Virginia, sixty-six thousand dollars.

Upper Monongahela river.

For the improvement of the Cumberland river below Nashville, Tennessee, twenty-five thousand dollars.

Cumberland river.

For the improvement of the Wabash river, Indiana and Illinois, fifty thousand dollars.

Wabash river.

For the improvement of the Tennessee river below Chattanooga, including the Muscle shoals, one hundred thousand dollars.

Tennessee river.

For the improvement of the Tennessee river, above Chattanooga, twenty-five thousand dollars.

Mouth of the Mississippi river.

For the improvement of the mouth of the Mississippi river, one hundred and twenty-five thousand dollars.

For removing the raft in Red river, Louisiana, eighty thousand dollars.

Removing raft in Red river.

For the improvement of Cypress bayou, and construction of dams, and dredging at the foot of Soda lake, Texas, fifty thousand dollars.

Cypress bayou and dams.

For the improvement of Mobile harbor and bay, Alabama, one hundred thousand dollars.

Mobile harbor and bay.

For completing work now in progress in improving Charleston harbor, South Carolina, five thousand dollars.

Charleston.

For the improvement of Savannah harbor and river, Georgia, fifty thousand dollars.

Savannah harbor and river.

For the improvement of Saint John's river, Florida, ten thousand dollars.

Saint John's river.

For the improvement of the entrance to the harbor of Baltimore, in Patapsco river and Chesapeake bay, two hundred thousand dollars.

Baltimore.

For the improvement of the Wicomico river, Maryland, five thousand dollars.

Wicomico river.

For the improvement of Cambridge harbor, Maryland, five thousand dollars.

Cambridge.

For the improvement of Chester river at Kent Island narrows, Maryland, fifteen thousand dollars.

Chester river.

For the improvement of Aquia creek, Virginia, two thousand dollars.

Aquia creek.

For the improvement of the mouth of Occoquan river, Virginia, five thousand dollars.

Occoquan river.

For the improvement of the mouth of Nomoni creek, Virginia, ten thousand dollars.

Nomoni creek.

For the improvement of the Rappahannock river below Fredericksburgh, Virginia, fifteen thousand dollars.

Rappahannock river.

For the improvement of the James river, Virginia, seventy-five thousand dollars.

James river.

For the improvement of the south branch of Elizabeth river, Virginia, fifteen thousand dollars.

Elizabeth river.

For the improvement of the Appomattox river below Petersburg, Virginia, thirty thousand dollars.

Appomattox river.

- Nansemond river. For the improvement of Nansemond river, Virginia, fifteen thousand dollars.
- Roanoke river. For the improvement of Roanoke river, below Weldon, North Carolina, ten thousand dollars.
- Cape Fear river. For the improvement of Cape Fear river below Wilmington, North Carolina, one hundred thousand dollars.
- Wilmington. For the improvement of Wilmington harbor, Delaware, six thousand dollars.
- Delaware river. For the improvement of the channel of the Delaware river, at Fort Mifflin bar, fifty thousand dollars.
- Work not to be commenced until, &c. For the improvement of the channel of the Delaware river at and near the Horse-Shoe shoals, fifty thousand dollars; the work not to be commenced until an examination and survey has been made by a board of engineers of the United States army, appointed by the Secretary of War, and a favorable report upon the feasibility and expense of the plan adopted for the prevention and removal of the obstructions.
- Schuylkill river. For the improvement of the channel of the Schuylkill river, Pennsylvania, forty thousand dollars, of which amount a portion shall be used for commencing the removal of the rocks at and near South street wharf.
- Broadkill river. For the improvement of Broadkill river, Delaware, ten thousand dollars.
- Ice-harbor at New Castle. For building an additional pier for the ice-harbor at New Castle, Delaware, twenty thousand dollars.
- South river. For the improvement of South river, New Jersey, five thousand dollars.
- Shrewsbury river. For the improvement of the North and South branches of Shrewsbury river, New Jersey, five thousand dollars.
- Delaware river. For the improvement of Delaware river between Trenton and Bordentown, New Jersey, fifteen thousand dollars.
- Hudson river. For the improvement of Hudson river, New York, forty thousand dollars.
- East river and Hell Gate. For removing obstructions in East river, New York, including Hell Gate, two hundred and twenty-five thousand dollars.
- Passaic river. For the improvement of Passaic river, New Jersey, twenty-five thousand dollars.
- East Chester creek. For the improvement of East Chester creek, New York, twenty-five thousand dollars.
- Rondout. For the improvement of Rondout harbor, Hudson river, New York, twenty thousand dollars.
- Pawtucket river. For the improvement of Pawtucket river, Rhode Island, ten thousand dollars.
- Providence river. For the improvement of Providence river, Rhode Island, ten thousand dollars.
- Newport. For dredging at the entrance of Newport harbor, Rhode Island, and for a jetty on the south end of Goat island, eight thousand five hundred dollars.
- Cohansey creek. For the improvement of Cohansey creek, New Jersey, ten thousand dollars.
- Block island. For the improvement of harbor at Block island, Rhode Island, fifty thousand dollars.
- Wickford. For the improvement of Wickford harbor, Rhode Island, five thousand dollars.
- Pawcatuck river. For the improvement of Pawcatuck river, Rhode Island and Connecticut, ten thousand dollars.
- Connecticut river. For the improvement of Connecticut river, below Hartford, Connecticut, twenty thousand dollars.

For the improvement of Connecticut river above Hartford, and below Enfield falls, twenty thousand dollars.	
For the improvement of New Haven harbor, Connecticut, twenty-five thousand dollars.	New Haven.
For the improvement of Housatonic river, Connecticut, ten thousand dollars.	Housatonic river.
For the improvement of Bridgeport harbor, Connecticut, thirty thousand dollars.	Bridgeport.
For the improvement of Norwalk harbor, Connecticut, ten thousand dollars.	Norwalk.
For the improvement of Stonington harbor, Connecticut, by deepening and dredging the same and its approaches, twenty-five thousand dollars.	Stonington.
For the improvement of Saint Croix river above the "ledge," Maine, ten thousand dollars.	Saint Croix river.
For the improvement of Machias river, Maine, twelve thousand dollars.	Machias river.
For the improvement of Camden harbor, Maine, ten thousand dollars.	Camden.
For the improvement of Penobscot river, Maine, twenty thousand dollars.	Penobscot river.
For the improvement of Kennebec river, Maine, twelve thousand dollars.	Kennebec river.
For the improvement of Portland harbor, Maine, fifty thousand dollars.	Portland.
For the improvement of Richmond island, Maine, sixty thousand dollars.	Richmond island.
For the improvement of Cochecho river, New Hampshire, ten thousand dollars.	Cochecho river.
For the improvement of Merrimac river, Massachusetts, twenty-five thousand dollars.	Merrimac river.
For the improvement of Boston harbor, Massachusetts, including Deer and Lovell's islands, one hundred and fifty thousand dollars.	Boston harbor and Deer and Lovell's islands.
For the improvement of the South channel at entrance of Duxbury harbor, Massachusetts, ten thousand dollars.	Duxbury.
For the improvement of Plymouth harbor, Massachusetts, three thousand dollars.	Plymouth.
For the improvement of Provincetown harbor, Massachusetts, six thousand dollars.	Provincetown.
For the improvement of Hyannis harbor, Massachusetts, ten thousand dollars.	Hyannis.
For the improvement of Wareham harbor, Massachusetts, ten thousand dollars.	Wareham.
For the improvement of Taunton river, Massachusetts, ten thousand dollars.	Taunton river.
For removing sand-bar forming at the entrance of Salem harbor, Massachusetts, fifteen thousand dollars.	Salem.
For the improvement of the Lower Willamette and Columbia rivers, from Portland, Oregon, to the sea, twenty thousand dollars.	Lower Willamette and Columbia rivers.
For the improvement of the Upper Willamette river, Oregon, three thousand dollars.	Upper Willamette river.
For the improvement of breakwater at Wilmington, California, one hundred and fifty thousand dollars.	Breakwater at Wilmington, Cal.
For surveys and examinations, and contingencies of rivers and harbors, one hundred and twenty-five thousand dollars.	Surveys, examinations, &c.
SEC. 2. That the Secretary of War is hereby directed to cause examinations or surveys, or both, to be made at the following points, namely: At the outlet of point Judith lake, Rhode Island; at Crow shoals, Delaware bay, near Cape May light, New Jersey, for an artificial harbor or break-	Examinations or surveys, or both, to be made at various points

water; Harlem river, near the East river, New York, for removal of rocks therefrom; of the piers and connecting bridges at Chester, Pennsylvania; the Penbsocot river, from Oldtown to Medway and vicinity, Maine; the Galena river, from its mouth to upper bridge in city of Galena, Illinois; the harbor at Fall River, Massachusetts, for removal of rocks therefrom; at Wood's hole, in Buzzard's bay, Massachusetts, for removal of rocks therefrom; Old House channel to main channel of Pamlico sound, North Carolina; the harbor of Washington, North Carolina; at bayou Lafourche, Louisiana, from Lafourche crossing to the mouth; from mouth of Red river down Atchafalaya river to Brashear in Louisiana; at the entrance of Matagorda bay and the channel to Indianola, Texas; Pine river, Saint Clair county, Michigan; Monistique harbor, Lake Michigan; Sebawaing river, Michigan; Yamhill river, Oregon; the mouth of the Coquille river, Oregon; Red river, from Morehead to Pembina; at the mouth of Kewaunee river, Wisconsin; at Elk river, Maryland, below Elkton; at Raritan river, New Jersey, below New Brunswick, including the shoals called the Middle Ground; the Youghiougheny river, Pennsylvania; Aroostook river, Maine, for improvement of the channel; at San Antonio creek, San Francisco bay, California; Santa Cruz, California; Estero bay, near Santa Barbara, California. And not to exceed five thousand dollars of the above appropriation may be expended in an exploration of routes for the extension of the Chesapeake and Ohio canal to the Ohio river, by the north and south branches of the Potomac river.

Extension of Chesapeake and Ohio canal.

Connecting inland waters along the Gulf of Mexico, from, &c.

For connecting the inland waters along the margin of the Gulf of Mexico, from Donaldsonville, in Louisiana, to the Rio Grande river, in Texas, by cuts and canals, not to exceed twenty thousand dollars of the amount herein appropriated for surveys of rivers and harbors; at Great Pee Dee river, from Pine Bluff to Cheraw, South Carolina; at Ashley river, South Carolina; at Cleveland, Ohio, for the construction of a harbor of refuge; at Forked Deer river, below Dyersburg, Tennessee; at harbor at Wilson, on Lake Ontario, New York; at East Pascagoula harbor, Mississippi sound; at Portsmouth harbor, New Hampshire, for breakwater between Gerrish's island and Wood island; in Ipswich bay, Massachusetts, at Hodgkins' cove, to ascertain the practicability of a harbor of refuge by building a breakwater there.

Inquiry and report upon the practicability of bridging the channel between Lake Huron and Lake Erie;

amount of navigation in channel; extent of spans.

SEC. 3. That the Secretary of War is hereby authorized and required to detail from the engineer corps, one or more engineers whose duty it shall be to inquire into and report upon the practicability of bridging, consistently with the interests of navigation, the channel between Lake Huron and Lake Erie, at such points as may be needful for the passing of railroad trains across said channel, and also its effect upon the navigation of the same; and further, to inquire into the number and character of the vessels navigating said channel, and the number of trips made by each, and, if said bridging be practicable, to report what extent of span or spans and elevation above the water will be required in the construction of such bridge or bridges, so as not seriously to injure the navigation of said channel.

Appropriation for pier at Lewes, Delaware, extended. 1870, ch. 292, §12. Vol. xvi. p. 310.

SEC. 4. That the appropriation for building the pier at Lewes, Delaware, contained in the act approved July fifteenth, eighteen hundred and seventy, an act entitled "An act making appropriations for sundry civil expenses of the government for the year ending June thirtieth, eighteen hundred and seventy-one, and for other purposes," be, and the same is hereby, extended until June thirtieth, eighteen hundred and seventy-four.

APPROVED, March 3, 1873.

March 3, 1873.

CHAP. CCXXXIV. — *An Act to revise, consolidate, and amend the Laws relating to Pensions.*

Officers and

Be it enacted by the Senate and House of Representatives of the United States of America, in Congress assembled, That if the ability of any officer