June 10, 1872.

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

Appropriations for the repair, &c., of public works on rivers and harbors.

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:

Du Luth. For the improvement of Du Luth harbor, Minnesota, fifty thousand dollars: *Provided*, That no part of said sum shall be expended so as to injure the harbor of Superior City, Wisconsin.

Proviso.

Superior City. For the improvement of Superior City harbor, Wisconsin, fifty thousand dollars.

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

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

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

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

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

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

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

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

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

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

New Buffalo. For the improvement of New Buffalo harbor, Michigan, five thousand dollars.

Green Bay and Mississippi Canal Company, for its property. For payment to the Green Bay and Mississippi Canal Company, for so much of all and singular its property and rights of property in and to the line of water communication between the Wisconsin river and the mouth of the Fox river, including its locks, dams, canals, and franchises, as were under the act of Congress for the improvement of water communication between the Mississippi river and Lake Michigan by the Wisconsin and Fox rivers, approved July seventh, eighteen hundred and seventy, reported by the Secretary of War to be needed, in his communication to the House of Representatives dated March eighth, eighteen hundred and seventy-two, one hundred and forty-five thousand dollars.

1870, ch. 210. Vol. xvi. p. 189.

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

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

Pere Marquette. For the improvement of Pere Marquette harbor, Michigan, ten thousand dollars.

Pentwater. For the improvement of Pentwater harbor, Michigan, thirty thousand dollars.

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

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

Grand Haven. For the improvement of Grand Haven harbor, Michigan, fifteen thousand dollars.

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

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

For the improvement of South Haven harbor, Michigan, twelve thousand dollars. South Haven.

For the improvement of Saint Joseph harbor, Michigan, three thousand dollars. Saint Joseph.

For the improvement of Saint Mary's river and Saint Mary's Falls canal, Michigan, three hundred thousand dollars, of which sum fifteen thousand dollars may be applied to secure the right of way. Saint Mary's river and Saint Mary's Falls canal.

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

For the improvement of Au Sable river, Michigan, ten thousand dollars. Au Sable river.

For the improvement of Harbor of Refuge, on Lake Huron, one hundred thousand dollars. Harbor of Refuge.

For the improvement of the mouth of Black river, in Saint Clair river, Michigan, fifteen thousand dollars. Mouth of Black river.

For the improvement of Saint Clair flats, Michigan, four thousand dollars. Saint Clair flats.

For the improvement of Toledo harbor, Ohio, fifteen thousand dollars. Toledo.

For the improvement of Sandusky river, Ohio, ten thousand dollars. Sandusky river.

For the improvement of Sandusky City harbor, Ohio, thirteen thousand dollars. Sandusky City.

For the improvement of Ashtabula harbor, Ohio, fifteen thousand dollars. Ashtabula.

For the improvement of Vermillion harbor, Ohio, five thousand dollars. Vermillion.

For the improvement of Erie harbor, Pennsylvania, fifteen thousand dollars. Erie.

For the improvement of Dunkirk harbor, New York, twenty-five thousand dollars. Dunkirk.

For the improvement of Port Clinton harbor, Ohio, eight thousand dollars. Port Clinton.

For the improvement of Rocky River harbor, Ohio, ten thousand dollars. Rocky river.

For the improvement of Maumee river above Toledo, Ohio, seven thousand dollars. Maumee river.

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

For the improvement of Buffalo harbor, New York, seventy-five thousand dollars; and the unexpended balance heretofore appropriated for building sea-wall at Buffalo. Buffalo.

For the improvement of Olcott harbor, New York, ten thousand dollars. Olcott.

For the improvement of Oak Orchard harbor, New York, two thousand five hundred 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 Big Sodus harbor, New York, fifteen thousand dollars. Big Sodus.

For the improvement of Oswego harbor, New York, one hundred thousand dollars. Oswego.

For the improvement of Ogdensburgh harbor, New York, ten thousand dollars. Ogdensburg.

For the improvement of Plattsburgh harbor, New York, ten thousand dollars. Plattsburgh.

Burlington. For the improvement of Burlington harbor, Vermont, thirty thousand dollars.

Otter creek. For the improvement of Otter creek, Vermont, from Vergennes to its outlet on Lake Champlain, ten thousand dollars.

Dredge, &c., boats on Upper Mississippi. For dredge and snag boats on the Upper Mississippi river, forty-two thousand dollars.

Minnesota river. For the improvement of the Minnesota river, Minnesota, ten 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.

Falls of St. Anthony, &c. For the preservation of the Falls of Saint Anthony, Minnesota, and the navigation of the Mississippi river above the same, fifty thousand dollars.

Mississippi, Missouri, &c., rivers. For improvement of the Mississippi, Missouri, and Arkansas rivers, ninety thousand dollars; for improvement of the Little Missouri river, ten thousand dollars; for improvement of the Ouachita river, in Arkansas, sixty thousand dollars; and further improvement of the Ouachita river, in Louisiana, forty thousand dollars.

Monongahela river. For the improvement of the Monongahela river between Morgantown and New Geneva, in accordance with the plan submitted by General A. A. Humphreys in his report to the House of Representatives dated February fourteenth, eighteen hundred and seventy-two, twenty-five thousand dollars.

Ohio river. For the improvement of the Ohio river, and the harbors thereof, including the repair of the Cumberland dam, two hundred thousand dollars.

Osage river. For the improvement of the Osage river, Missouri, twenty-five thousand dollars.

Currant river. For the improvement of Currant river, Missouri, five thousand dollars.

Canal at Falls of Ohio. Secretary of War to report to Congress thereon. For the continuing the work on the canal at the Falls of the Ohio river, three hundred thousand dollars. And the Secretary of War is hereby directed to report to Congress, at its next session, or sooner, if practicable, the condition of said canal, and the provisions necessary to relieve the same from incumbrance, with a view to such legislation as will render the same free to commerce at the earliest practicable period, subject only to such tolls as may be necessary for the superintendence and repair thereof, which shall not, after the passage of this act, exceed five cents per ton.

Mississippi river. For the improvement of the Mississippi river between the mouth of the Illinois river and the mouth of the Missouri river, twenty-five thousand dollars.

For the improvement of the Mississippi river between the mouth of the Missouri river, and the mouth of the Merrimac river, one hundred thousand dollars.

Wabash river. For the improvement of the Wabash river, Indiana, commencing at its mouth, fifty thousand dollars.

Tennessee river. For the continuation of the work now in progress on the Tennessee river, below Chattanooga, including the Muscle shoals, fifty thousand dollars.

For the improvement of the Tennessee river, between Knoxville and Chattanooga, twenty-five thousand dollars.

Cumberland river. For the improvement of Cumberland river, in Tennessee, twenty thousand dollars.

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

Tones bayou. For the improvement of Tones bayou, Louisiana, twenty thousand dollars.

Calcasieu pass. For improvement of Calcasieu pass, in the State of Louisiana, fifteen thousand dollars.

For the improvement of bar in Galveston bay, ten thousand dollars, and for improvement of the harbor of Galveston, Texas, thirty-one thousand dollars. Galveston bar, and harbor.

For the improvement of Cypress bayou, near Jefferson, Texas, ten thousand dollars. Cypress bayou.

For the improvement of the Tangipahoa river, Louisiana, two thousand five hundred dollars. Tangipahoa river.

For removing the raft in Red river, Louisiana, one hundred and fifty thousand dollars. Red river.

For removing the wreck of the gunboat Oregon, in the Chifuncte river, Louisiana, six thousand dollars. Wreck of gunboat Oregon.

For dredging the bar at the mouth of the harbor of Cedar Keys, Florida, seven thousand five hundred dollars. Dredging at bar at Cedar Keys.

For dredging the bar at the mouth of Saint John's river, Florida, ten thousand dollars. Saint John's river.

For the improvement of Mobile harbor and bay, Alabama, seventy-five thousand dollars. Mobile harbor and bay.

For the improvement of the ship-channel in Charleston harbor, South Carolina, thirty-eight thousand seven hundred dollars. Charleston harbor.

For removing obstructions in Ashepoo river, South Carolina, one thousand three hundred dollars. And the amount of the appropriation made by act of Congress, approved July eleventh, eighteen hundred and seventy, for removing obstructions in Town creek, near Charleston, South Carolina, which remains unexpended, is hereby appropriated to remove wrecks obstructing navigation in Stono river, South Carolina, near Church flats. Ashepoo river. 1870, ch. 240. Vol. xvi. p. 225.

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

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

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

For the improvement of the James river, Virginia, fifty thousand dollars. James river.

For the improvement of the Appomattox river below Petersburgh, Virginia, forty thousand dollars. Appomattox river.

For the improvement of Aquia creek, Virginia, one thousand five hundred dollars. Aquia creek.

For the improvement of Accotink creek, Virginia, five thousand dollars. Accotink creek.

For the improvement of the Roanoke river below Weldon, North Carolina, ten thousand dollars. Roanoke river.

For the improvement of Cape Fear river, below Wilmington, North Carolina, one hundred thousand dollars. Cape Fear river.

For the improvement of Queenstown harbor, Maryland, six thousand dollars. Queenstown.

For the improvement of Worton harbor, Maryland, twelve thousand dollars. Worton.

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

For the improvement of Northeast river, Maryland, ten thousand dollars. Northeast river.

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

For clearing and improving the channel of the Schuylkill river from its mouth to the Chestnut-street bridge, Philadelphia, Pennsylvania, forty thousand dollars, of which sum sufficient is to be used for removing the rock between Locust street and the said bridge. Schuylkill river.

For the improvement of Wilmington harbor, Delaware, ten thousand dollars. Wilmington.

For the repair of pier of the ice-harbor at New Castle, Delaware, New Castle.

and for building a new pier at said harbor, twenty-seven thousand dollars.

Delaware river. For the improvement of Delaware river, between Trenton and Bordentown, New Jersey, ten thousand dollars.

Hudson river. For the improvement of the Hudson river, New York, forty thousand dollars.

East river. For the removal of obstructions in the East river, New York, including Hell Gate, two hundred and twenty-five thousand dollars.

Providence river. For the improvement of Providence river, Rhode Island, ten thousand dollars.

Pawtucket river. For the improvement of Pawtucket river, Rhode Island, ten thousand dollars.

Passaic river. For the improvement of the Passaic river, between Newark and Passaic, New Jersey, twenty-five thousand dollars.

Port Clester. For the improvement and removal of rocks in Port Clester harbor, New York, twelve thousand dollars.

Roundout. For the improvement of Roundout harbor, New York, ten thousand dollars.

Block Island. For the improvement of the breakwater at Block island, Rhode Island, fifty thousand dollars.

Pawcatuck river. For the improvement of Pawcatuck river, Rhode Island and Connecticut, ten thousand dollars.

Thames river. For the improvement of the Thames river, Connecticut, ten thousand dollars.

Connecticut river. For the improvement of the Connecticut river below Hartford, Connecticut, including Saybrook bar at the mouth of the river, forty thousand dollars.

For the improvement of the Connecticut river on or above Enfield falls and below Holyoke, twenty-five thousand dollars.

New Haven. For the improvement of New Haven harbor, Connecticut, twenty thousand dollars.

Housatonic river. For the improvement of the Housatonic river, Connecticut, fifteen thousand dollars.

Bridgeport. For the improvement of Bridgeport harbor, Connecticut, forty thousand dollars.

Norwalk. For the improvement of Norwalk harbor, Connecticut, between the stone bridge and the railroad drawbridge, ten thousand dollars.

Port Jefferson. For the improvement of Port Jefferson harbor, Long island, New York, fifteen thousand dollars.

Peconic river. For the improvement of Peconic river, Long island, New York, ten thousand dollars.

Huntington. For the improvement of Huntington harbor, Long island, New York, twenty-two thousand five hundred dollars.

Narragaugus river. For the improvement of the Narragaugus river, Maine, ten thousand dollars.

Sullivan river, &c. For the improvement of Sullivan river and Sullivan falls, Maine, twenty-five thousand dollars.

Penobscot river. For the improvement of the Penobscot river, Maine, forty thousand dollars.

Kennebec river. For the improvement of the Kennebec river, Maine, eight thousand dollars.

Royals river. For the improvement of Royals river, Maine, ten thousand dollars.

Portland. For the improvement of Portland harbor and Back bay, Maine, forty-five thousand dollars.

Saco river. For the improvement of Saco river, Maine, fifteen thousand dollars.

Richmond's Island. For the improvement of Richmond's island, Maine, twenty thousand dollars.

Gloucester. For removing rock in Gloucester harbor, Massachusetts, ten thousand dollars.

For the improvement of Boston harbor, Massachusetts, seventy-five thousand dollars. Boston.

For the improvement of Taunton river, Massachusetts, ten thousand dollars. Taunton river.

For the improvement of Plymouth harbor, Massachusetts, two thousand five hundred dollars. Plymouth.

For the improvement of Edgartown harbor, Massachusetts, twenty thousand dollars. Edgartown.

For the improvement of Provincetown harbor, Massachusetts, five thousand dollars. Provincetown.

For the improvement of Wells harbor, Maine, five thousand dollars. Wells.

For removal of rocks at entrance of Wellfleet harbor, Massachusetts, five thousand dollars. Wellfleet.

For the improvement of the Merrimac river above Haverhill, Massachusetts, twenty-five thousand dollars. Merrimac river.

For the improvement of Duxbury harbor, Massachusetts, ten thousand dollars. Duxbury.

For the improvement of Wareham harbor, Massachusetts, ten thousand dollars. Wareham.

For the improvement of the Lower Willamette river, Oregon, fifty thousand dollars. Lower Willamette river.

For the improvement of the Upper Columbia river, Oregon, fifty thousand dollars. Upper Columbia river.

For the removal of Rincon rock, in the harbor of San Francisco, California, fifty thousand dollars. San Francisco.

For the improvement of the breakwater at Wilmington, California, seventy-five thousand dollars. Wilmington.

For the improvement of the Tombigbee river, ten thousand dollars. Tombigbee river.

For removal of rocks at New Haven harbor, Connecticut, fifteen thousand dollars. See *Post*, p. 562. [New Haven.

For improvement of Cocheco river within the town of Dover, New Hampshire, ten thousand dollars. Cocheco river.

For improvement of Black River harbor, Ohio, twenty thousand dollars. Black river.

For surveys and examinations, with a view to the improvement of rivers and harbors, one hundred and fifty thousand dollars. Surveys, &c., for improvement of rivers and harbors.

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 Keyport harbor, New Jersey; channel between Staten island and New Jersey; at Cohansey creek, New Jersey; at Bear creek, Lake Ontario, New York; at Waddington harbor, New York; for a breakwater at Rouse's point, on Lake Champlain, New York; at Port Austin and Port Crescent, Michigan; at the mouth of Pensaukie river, Wisconsin; at Waukegan harbor, Illinois; the Machias river, Maine; at Wickford harbor and Newport harbor, Rhode Island; the east side of Providence river, between Field's point and Fox point, Rhode Island; at Port Orford, Oregon; at Estero bay, San Louis Obispo county, California; the mouths of Nomoni creek and Occoquan river, Virginia; the bay or sound from Delaware line through Worcester county to Chincoteague inlet, Virginia, with a view to an inlet at or near a place called the Hommacks; for a ship-canal between the waters of Galveston bay and Saline lake, Texas; Chester river at Kent Island narrows, Maryland; Saint Francis river, from Greenville down, Missouri; Gasconade river, Missouri; Tombigbee river, between Fulton and Columbus, Mississippi; harbor of Cedar Keys and channel to same, Florida; Niantic river, Connecticut; the bars at the outlet of Sabine pass, Texas; the Mississippi river between the mouth of the Missouri river and the mouth of the Ohio river; west end of the pass at and near Blo Buck point, Texas; the bar at the mouth of Sabine river in Sabine lake, and to extend up the main channel of said river

Examinations or surveys, or both, to be made at various points.

Examinations or surveys, or both, to be made at various points.

to the town of Belzora; at the mouth of the Nuches river, in Sabine lake, and to extend up the main channel of said river to the town of Boonville, at the point where the Angelica river falls into the Nuches river, and to extend up the main channel of said river to the town of Pattonia, Texas; at the mouth of the Trinity river, in Galveston bay, and to extend up the main channel of said river to the town of Magnolia, Texas; Washington harbor, North Carolina; Edenton harbor, North Carolina; mouth of Mackay's creek, North Carolina; Chippewa river up to Chippewa falls, Wisconsin; harbor at Swanton, Vermont; harbor at Galveston, Texas; at Apalachicola river, from Chattahooche, Florida, to Apalachicola; at Chattahooche river, from Columbus, Georgia, to Chattahooche, Florida; at Flint river, from Albany, Georgia, to Chattahooche, Florida; for survey of breakwater at Milford, Connecticut; mouth of Pine river, Michigan; the harbor of San Diego, California; mouth of Grand Calumet river, Indiana; Great Kanawha river, from the Great falls to the mouth, West Virginia; to complete the survey of the James river and Kanawha canal; for survey of Camden harbor, Maine; for a sea-wall or breakwater at Trinidad harbor, California; of the channel and bank at entrance of Salem harbor; on Merrimack river, Massachusetts, from Haverhill to Newburyport, including Duck Hole and Currier shoals; the New river, from the mouth of Greenbrier, in West Virginia, to the lead mines, in Wythe county, Virginia; at St. Helena bar, in the Columbia river, Oregon; for survery for the removal of wrecks of gun-boats, steamers, and other obstructions placed in Yazoo river during the war, and for the resurvey of Savannah harbor; the Delaware river between Trenton and Easton; for the survey of the river St. Mary's, in Ohio and Indiana; for the survey of the Minnesota river above the mouth of the Yellow Medicine, Minnesota.

In examinations or surveys, Secretary of War to ascertain amount of tonnage of commercial business the year previous, &c.

SEC. 3. That in the examinations or surveys of all points mentioned in the foregoing section, the Secretary of War be directed to ascertain, as far as practicable, the amount of tonnage of commercial business during the previous year at each point, together with such other facts as bear upon the question of the contemplated improvement, and that he communicate the same, together with his report of the examination or survey of such point, to Congress: *Provided*, That so much of the amount herewith appropriated for the survey of rivers and harbors as is requisite for contingencies, may be used for said purpose.

Proviso.

APPROVED, June 10, 1872.

June 10, 1872.

CHAP. CDXVII. — *An act making Appropriations for the Construction, Preservation, and Repairs of certain Fortifications, and other Works of Defence.*

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and the same are hereby, appropriated, out of any money in the treasury not otherwise appropriated, for the following fortifications and other works of defence, viz.:

Appropriations for fortifications, &c.

Fort Gorges. For Fort Gorges, Portland harbor, Maine, twenty thousand dollars.

Fort Preble. For Fort Preble, Portland harbor, Maine, forty-two thousand five hundred dollars.

Fort Scammell. For Fort Scammell, Portland harbor, Maine, forty-two thousand five hundred dollars.

Battery on Portland head. For battery on Portland head, Portland, Maine, fifty thousand dollars.

Fort Warren. For Fort Warren, Boston harbor, Massachusetts, eighty-five thousand dollars.

Fort Winthrop. For Fort Winthrop, Boston harbor, Massachusetts, sixty-four thousand dollars.

Fort Independence. For Fort Independence, Boston harbor, Massachusetts, forty-two thousand five hundred dollars.

Fort Adams. For Fort Adams, Newport harbor, Rhode Island, eighty-five thousand dollars.