CHAP. 425.—An Act Making appropriations for the construction, repair, and preservation of certain public works on rivers and harbors, and for other purposes.

March 3, 1899.

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 immediately available, and to be expended under the direction of the Secretary of War and the supervision of the Chief of Engineers, for the construction, completion, repair, and preservation of the public works hereinafter named:

Appropriations for rivers and harbors.

Improving Moosabec Bar, Maine: Completing improvement, eleven thousand dollars.

Moosebec Bar, Me.

For construction of breakwater from Mount Desert to Porcupine Island, Maine: Continuing improvement, twenty thousand dollars.

Breakwater, Mount Desert, Me.

Improving harbor at Sullivan Falls, Maine, in accordance with the approved project, five thousand dollars.

Harbors. Sullivan Falls, Me.

Improving Carvers Harbor, at Vinalhaven, Maine: Continuing improvement, fifteen thousand dollars.

Vinalhaven, Me.

Improving harbor at Cape Porpoise, Maine, in accordance with the report printed in House Document Number One hundred and sixty, Fifty-fifth Congress, third session, seventy thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete the project recommended in said report, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate fifty-five thousand dollars, exclusive of the amount herein appropriated.

Cape Porpoise, Me.

Proviso. Contracts.

Improving harbor of refuge at Little Harbor, New Hampshire: Continuing improvement, twelve thousand dollars.

Little Harbor, N. H.

Improving harbor at Burlington, Vermont: Continuing improvement, fifteen thousand dollars.

Burlington, Vt.

Improving harbor at Boston, Massachusetts: Continuing improvement, seventy-five thousand dollars: *Provided*, That this sum may, in the discretion of the Secretary of War, be used in the preservation and improvement of said harbor, including the protection of Great Head and other headlands and islands in and about said harbor, to prevent further washing away by the sea: *Provided further*, That five thousand dollars of this sum may, in the discretion of the Secretary of War, be used in improving Chelsea Creek: *Provided further*, That the Secretary of War may use five thousand dollars thereof and enter into a contract or contracts for such materials and work as may be necessary for the completion of the improvement in accordance with the project recommended in the report printed on pages eight hundred and eighty-seven et sequentes of the Report of the Chief of Engineers for eighteen hundred and ninety-eight; such improvement to provide for a channel one thousand two hundred feet wide and thirty feet deep from the main ship channel in President Roads through Broad Sound Channel, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate four hundred and fifty thousand dollars, exclusive of the amount herein and heretofore appropriated.

Boston, Mass.

Provisos. —Great Head, etc.

Chelsea Creek.

Contracts.

Channel from ship channel, President Roads, etc.

Improving harbor of refuge at Nantucket, Massachusetts: Continuing improvement, twenty thousand dollars.

Nantucket, Mass.

Improving harbor at Newburyport, Massachusetts: Continuing improvement, twenty-five thousand dollars: *Provided*, That of this appropriation a sum not exceeding three thousand dollars may, in the discretion of the Secretary of War, be expended in removing from Newburyport Harbor, a rock, called "North Rock."

Newburyport, Mass.

Proviso. —removing "North Rock."

Improving harbor at Plymouth, Massachusetts: For maintenance, ten thousand dollars; for repairs made necessary by the great storm of November, eighteen hundred and ninety-eight, according to plans and estimate submitted January twentieth, eighteen hundred and ninety-nine, seventy-five thousand dollars.

Plymouth, Mass.

Improving harbor at Provincetown, Massachusetts: For maintenance, ten thousand dollars.

Provincetown, Mass.

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Scituate, Mass.

Improving harbor at Scituate, Massachusetts: For maintenance and repairs, fifteen thousand dollars.

Hyannis, Mass.

Improving harbor at Hyannis, Massachusetts: Completing improvement, two thousand one hundred and sixty-two dollars.

Manchester, Mass.

Improving harbor at Manchester, Massachusetts, in accordance with the project submitted July thirtieth, eighteen hundred and ninety-seven, five thousand dollars.

Vineyard Haven, Mass.

Improving harbor at Vineyard Haven, Massachusetts: Completing improvement, three thousand dollars.

Sandy Bay, Cape Ann, Mass.

Improving harbor of refuge at Sandy Bay, Cape Ann, Massachusetts: Continuing improvement, two hundred and fifty thousand dollars. And the Secretary of War shall appoint a board of three engineers, whose duty it shall be to examine said project and report whether any modification of the same should, in their judgment, be made, with an estimate of the cost of completing the same, and so much of the above appropriation as may be necessary shall be used for that purpose.

Board to examine, etc.

Gloucester, Mass.

Improving harbor at Gloucester, Massachusetts: Continuing improvement, forty thousand dollars.

Sea wall, Marblehead, Mass.

For the repair of the sea-wall at Marblehead, Massachusetts, made necessary by the great storm of November, eighteen hundred and ninety-eight, one thousand dollars, to be expended under the direction of the Secretary of War.

Harbor, Duxbury, Mass.

Improving harbor at Duxbury, Massachusetts, and for repairs made necessary by storm, twelve thousand dollars.

New Bedford, Mass.

Improving harbor at New Bedford, Massachusetts: Continuing improvement under the approved project of eighteen hundred and ninety-five, ten thousand dollars, and to complete the channel east of Fish Island in accordance with the report printed on page nine hundred and thirty of the Annual Report of the Chief of Engineers for eighteen hundred and ninety-seven, thirty-four thousand dollars.

Chatham, Mass.

Improving harbor at Chatham, Massachusetts: Completing improvement, three thousand seven hundred and thirty-two dollars and seventy-nine cents.

Woods Hole Channel, Mass.

Improving Woods Hole Channel, Massachusetts: Continuing improvement, twenty thousand dollars.

Fall River, Mass., harbor.

Improving the harbor of Fall River, Massachusetts, in accordance with the plan numbered two in report printed on pages nine hundred and thirty-one et sequentes of the Annual Report of the Chief of Engineers for eighteen hundred and ninety-seven, twenty thousand dollars.

Block Island, R. I.

Improving harbor at Block Island, Rhode Island: Continuing improvement and maintenance, ten thousand dollars.

Newport, R. I.

Improving harbor at Newport, Rhode Island: Continuing improvement, fifteen thousand dollars.

Great Salt Pond

Improving harbor, Great Salt Pond, Block Island, Rhode Island: Completing improvement, fifty thousand dollars.

Sakonnet Point, R. I.

Improving harbor at Sakonnet Point, Rhode Island: Completing improvement according to the plan submitted June twenty-fourth, eighteen hundred and ninety-seven, twenty-five thousand dollars.

Bridgeport, Conn.

Improving harbor at Bridgeport, Connecticut: Continuing improvement in accordance with the modified and extended project referred to by the Chief of Engineers in his annual report for the fiscal year ending June thirtieth, eighteen hundred and ninety-eight, fifty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete the improvement, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate two hundred and fifty thousand dollars, exclusive of the amount herein and heretofore appropriated.

Proviso. Contracts.

New Haven, Conn.

Improving New Haven Harbor, Connecticut, in accordance with the project printed as House Document Number Eighty-two, Fifty-fifth Congress, first session, fifty thousand dollars: *Provided*, That the Secretary of War may enter into a contract or contracts for materials and

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work necessary to complete so much of said project as includes a channel twenty feet deep through Long Island Sound from Tomlinson's Bridge, including three interior basins affording separate anchorages with depths of twenty, sixteen, and twelve feet, respectively, and connected by adequate channels, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate two hundred and ninety-five thousand dollars, exclusive of the amount herein and heretofore appropriated.

Channel through Long Island Sound, etc.

Improving harbor at Five Mile River, Connecticut: Continuing improvement, two thousand five hundred dollars.

Five Mile River, Conn.

Improving harbor at Stamford, Connecticut: Continuing improvement, six thousand dollars.

Stamford, Conn.

Improving harbor at Norwalk, Connecticut: For maintenance, two thousand dollars.

Norwalk, Conn.

Improving harbor at Buffalo, New York: For maintenance, seventy-five thousand dollars.

Buffalo, N. Y.

For improvement of the Buffalo entrance to Erie Basin and Black Rock Harbor, New York, fifty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary for the completion of said project, in accordance with the recommendation of the Secretary of War, House Document Number Seventy-two, Fifty-fifth Congress, first session, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate one hundred and ninety-eight thousand one hundred and thirteen dollars and eighty cents, exclusive of the amount herein appropriated.

—entrance to Erie basin, etc.
Proviso. Contracts.

Improving harbor at Charlotte, New York: For maintenance, seven thousand dollars.

Charlotte, N. Y.

Improving harbor at Great Sodus Bay, New York: For maintenance, fourteen thousand dollars.

Great Sodus Bay, N. Y.

Improving harbor at Little Sodus Bay, New York: For maintenance, five thousand five hundred dollars.

Little Sodus Bay, N. Y.

Improving harbor at Ogdensburg, New York: Continuing improvement, fifteen thousand dollars.

Ogdensburg, N. Y.

Improving harbor at Oswego, New York: Continuing improvement, sixty thousand dollars, of which amount ten thousand dollars may be used for repair of the breakwater.

Oswego, N. Y.

Improving New York Harbor, New York: For maintenance, one hundred thousand dollars. For improving said harbor by a deep channel, two thousand feet wide and forty feet deep from the Narrows, by the so called East Channel across Sandy Hook Bar to the open sea, in accordance with the recommendations contained in House Document Numbered One hundred and fifty-nine, Fifty-fifth Congress, third session, one million dollars: *Provided*, That the Secretary of War may forthwith enter into a contract or contracts for such materials and work as may be necessary for the completion of said project, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate three million dollars, exclusive of the amount herein and heretofore appropriated.

New York Harbor. Maintenance. Channel from Narrows to the sea.
Proviso. Contracts.

If, however, the Secretary of War shall be unable to make a contract or contracts for the completion of said project for a sum within the amounts above specified, then the said one million dollars herein appropriated, or so much thereof as may be necessary, shall be applied by him in the construction or purchase of such dredges, steamboats and other plant, machinery and appliances as may be necessary to prosecute said project, and shall cause the work on said project to be entered upon and prosecuted under the charge of the Secretary of War by employment of labor and materials necessary therefor, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate the said sum of three million dollars exclusive of the one million dollars herein appropriated.

—work may be performed by Secretary of War.

Improving Bay Ridge Channel and Red Hook Channel in the harbor of New York: Continuing improvement, one hundred thousand dollars:

Bay Ridge and Red Hook channels.

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Proviso. Location of improvement.

Provided, That the work shall be begun at the forty-foot curve at the southerly end of Bay Ridge Channel, and be continued through it along the Brooklyn shore to Twenty-eighth street until the said Bay Ridge Channel shall have a uniform depth of forty feet at low tide and a width of one thousand two hundred feet; and the improvement of the Red Hook Channel shall be begun on its southerly end and at its junction with the Bay Ridge Channel, and be continued through it to its junction on its northerly end with the Buttermilk Channel until said Red Hook Channel shall have been made to a depth of forty feet at low tide and a width of one thousand two hundred feet: *And provided further*, That contracts may be entered into by the Secretary of War for the completion of said Bay Ridge Channel and Red Hook Channel, to be paid for as appropriations may from time to time be made by law, not exceeding in the aggregate two million four hundred thousand dollars, exclusive of the amount herein and heretofore appropriated.

Contracts.

Tonawanda Harbor and Niagara River, N. Y.

Improving Tonawanda Harbor and Niagara River to the north line of the village of North Tonawanda, New York: Continuing improvement, seventy-five thousand dollars.

Saugerties, N. Y., Harbor.

Improving harbor at Saugerties, New York: For maintenance, two thousand five hundred dollars.

Wilson, N. Y.

Improving harbor at Wilson, New York: Continuing improvement, two thousand five hundred dollars.

Port Chester, N. Y.

Improving Port Chester Harbor, New York: Twenty-five thousand dollars, to be expended in enlarging the channel below and up to Town Dock to a depth of twelve feet and a width of seventy feet, and from Town Dock to the steamboat dock to a depth of nine feet and a width of sixty feet.

Channel between Staten Island and New Jersey shore.

Improving channel between Staten Island and the New Jersey shore, New York and New Jersey: Completing improvement, thirty-two thousand dollars.

Huntington, N. Y.

Improving harbor at Huntington, New York: Continuing improvement, seven thousand five hundred dollars.

Port Jefferson Inlet, N. Y.

Improving harbor at Port Jefferson Inlet, New York: Continuing improvement, seven thousand five hundred dollars.

Gowanus Creek Channel, N. Y.

Improving harbor at Gowanus Creek Channel, New York: Continuing improvement, twenty-five thousand dollars.

Peekskill, N. Y.

Improving harbor at Peekskill, New York: Continuing improvement, ten thousand dollars.

Wallabout Channel, N. Y.

Improving Wallabout Channel, New York: Completing improvement in accordance with the project printed as House Document Number Fifty, Fifty-fifth Congress, third session, forty thousand dollars.

Mamaroneck, N. Y.

Improving harbor at Mamaroneck, New York: Continuing improvement, seven thousand dollars.

Pultneyville, N. Y.

Improving harbor at Pultneyville, New York: For maintenance, two thousand dollars.

Mattituck, N. Y.

Improving harbor at Mattituck, New York: Continuing improvement, five thousand dollars.

Cape Vincent, N. Y.

Improving harbor at Cape Vincent, New York, to be expended according to the approved project, or such modification thereof, not increasing the total cost, as the Secretary of War may approve, twenty-five thousand dollars, in addition to any balance on hand.

Larchmont, N. Y.

Proviso. Plan.

Improving harbor at Larchmont, New York: For continuing improvement, fifty thousand dollars: *Provided*, That said sum, or such part thereof as may be necessary, may be used by the Secretary of War on such project under any modified plan that may hereafter be adopted by him.

Raritan Bay, N. J.

Improving harbor at Raritan Bay, New Jersey: Continuing improvement, sixty-five thousand dollars, of which forty thousand dollars may be used in dredging the channel from South Amboy to Great Beds Light.

Keyport Harbor, N. J.

Improving Keyport Harbor, New Jersey: For maintenance, two thousand five hundred dollars.

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Improving harbor at Erie, Pennsylvania: Continuing improvement, one hundred and twenty-five thousand dollars, to be expended in accordance with the project printed in House Document Numbered Seventy, Fifty-fifth Congress, first session, or such modification thereof, not increasing the total cost, as the Secretary of War may approve. Erie, Pa.

Improving harbor at Pittsburg, Pennsylvania: Completing improvement in accordance with the report of the Chief of Engineers, dated December sixth, eighteen hundred and ninety-seven, one hundred and ten thousand six hundred and sixty-two dollars and ninety cents. Pittsburg, Pa.

Improving harbor at Wilmington and Christiana River, Delaware: Continuing improvement, forty-five thousand dollars, of which amount twenty thousand dollars, or so much thereof as may be necessary, shall be used for maintenance, and the Secretary of War may enter into a contract or contracts for such materials and work as may be necessary to complete the project of improvement, in accordance with the project submitted by the Board of Engineers, in its report of October third, eighteen hundred and ninety-six, and including the removal of rock from the channel as recommended in the Annual Report of the Chief of Engineers for eighteen hundred and ninety-seven, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate two hundred and five thousand seven hundred and eighty dollars, exclusive of the amount herein and heretofore appropriated, that being the amount reported by the Chief of Engineers as necessary to complete said project. Wilmington and Christiana River, Del. Contracts.

Improving harbor at Cape Charles City, Virginia: Continuing improvement, twenty thousand dollars. Cape Charles City, Va.

Improving harbor at Milford Haven, Virginia: Completing improvement in accordance with the project printed in House Document Number Two hundred and ninety-nine, Fifty-third Congress, third session, twelve thousand five hundred dollars. Milford Haven, Va.

Harbor of refuge, Cape Lookout, North Carolina: The Secretary of War is hereby authorized to appoint a board of three army engineers to make examination, survey, plan, and estimate for a harbor of refuge at or near Cape Lookout, North Carolina; and five thousand dollars is hereby appropriated to pay the cost of the same. Cape Lookout, N. C. Board to survey, etc.

Improving Charleston Harbor, South Carolina, in accordance with the project of November eighteenth, eighteen hundred and ninety-eight, as modified and approved by the division engineer: The Secretary of War may enter into a contract or contracts for materials and work necessary to carry on the said project, to be paid for as appropriations may from time to time be made by law, not exceeding in the aggregate one hundred and seventy-five thousand dollars, exclusive of the amount heretofore appropriated and now on hand, and a suitable dredge may be purchased or constructed for the prosecution of said work, to cost not more than one hundred and fifty thousand dollars, to be paid for from amounts now on hand or herein authorized to be expended. Charleston, S. C. Contracts. Dredge.

Improving the outer bar, Brunswick, Georgia: C. P. Goodyear, the contractor with the Government of the United States to deepen the outer bar of Brunswick, Georgia, under the river and harbor Acts of eighteen hundred and ninety-four and eighteen hundred and ninety-six, shall be entitled to receive the sums appropriated by said Acts for obtaining a channel twenty-four feet deep and two hundred feet wide, and a channel twenty-five feet deep and one hundred feet wide, provided the same are obtained on or before June third, nineteen hundred, and said Acts are hereby amended accordingly. After the expiration of the time herein stated within which said work of improvement must be obtained, the Secretary of War shall cause a survey of the same to be made, and report a plan, with estimate of the cost thereof, with a view to obtaining a depth of twenty-six feet at mean high tide, with a width of two hundred feet; and the sum of five thousand dollars, or so much thereof as may be necessary, is hereby appropriated to defray the cost of making said survey, and estimate based thereon. Brunswick, Ga. Outer bar. Vol. 28, p. 342. Vol. 29, p. 208. Survey, etc.

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—inner harbor.

Improving inner harbor at Brunswick, Georgia: For maintenance, ten thousand dollars.

Savannah, Ga.

Vol. 29, p. 208, amended.

Improving harbor at Savannah, Georgia: For maintenance, fifty thousand dollars. And the Act making appropriations for the construction, repair, and preservation of public works on rivers and harbors, and for other purposes, passed June third, eighteen hundred and ninety-six, is hereby amended to permit the Secretary of War to construct the steamboat channel between Beaufort, South Carolina, and Savannah, Georgia, by way of route numbered one, instead of by way of route numbered two, as required by the said Act.

Steamboat channel from Beaufort, S. C.

Darien, Ga.

Improving harbor at Darien, Georgia: Continuing improvement, ten thousand dollars.

Doboy Bar, Ga.

Improving Doboy Bar, Georgia, in accordance with plan presented in House Document, Number Thirteen, Fifty-fifth Congress, first session, seventy thousand dollars.

Apalachicola Bay, Fla.

Improving harbor at Apalachicola Bay, Florida, in accordance with the project printed in the Annual Report of the Chief of Engineers for eighteen hundred and ninety-seven, pages sixteen hundred and fifty-five and those that follow, and for maintenance, twenty thousand dollars.

Pensacola, Fla.

Improving harbor at Pensacola, Florida: Continuing improvement and for maintenance, seventy thousand dollars; the same to be used toward securing a channel depth of thirty feet at mean low water, from the Gulf of Mexico to the dock line at the east end of the city of Pensacola.

Biscayne Bay, Fla. Board on proposed channel.

Biscayne Bay, Florida: The Secretary of War shall appoint a board of three engineers to examine and report upon the respective routes from Miami to the sea by Norris Cut, Bear Cut, and Cape Florida Entrance, respectively, with reference to the most feasible route and the cost of providing a channel eighteen feet in depth and suitable width, with a view to ascertaining the desirability of improving the same; and to pay the expense of said board the sum of five thousand dollars, or so much thereof as may be necessary, is hereby appropriated.

Key West, Fla.

Improving entrance to harbor at Key West, Florida: Continuing improvement, twenty-five thousand dollars.

Charlotte Harbor and Pease Creek, Fla.

Improving Charlotte Harbor and Pease Creek, Florida: Completing improvement, twenty-five thousand dollars.

Carrabelle Bar, Fla.

Improving Carrabelle Bar and Harbor, Florida: Continuing improvement, ten thousand dollars.

Tampa Bay, Fla.

Proviso. Contracts.

Improving Tampa Bay, Florida: For improvement of Tampa Bay, Florida, from its entrance into the Gulf of Mexico to Port Tampa, seventy-five thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary toward securing a channel depth of twenty-seven feet from said Gulf of Me ico to Port Tampa, and of a width five hundred feet across the bar and three hundred feet in the bay, as proposed in the report of November fourteenth, eighteen hundred and ninety-eight, published in House Document Number Fifty-two, Fifty-fifth Congress, third session, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate six hundred and seventy-five thousand dollars, exclusive of the amount herein appropriated.

Hillsboro Bay, Fla.

Improving Hillsboro Bay, Florida, in accordance with project printed in House Document Number Fi e hundred and forty-five, Fifty-fifth Congress, second session, one hundred and twenty-five thousand dollars.

Mobile, Ala.

Proviso. Contracts.

Improving harbor at Mobile, Alabama: Continuing improvement, one hundred thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary, with the view of ultimately securing a channel twenty-three feet deep and one hundred feet wide at the bottom, with appropriate slope, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate five hundred thousand dollars, exclusive of the amount herein and heretofore appropriated.

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Ship Island Pass, Miss.

Ship Island Pass, Mississippi: To complete dredging a channel through Ship Island Pass, with a depth of twenty-six feet, in accordance with the report and estimate printed in House Document Number One hundred and twenty, Fifty-fifth Congress, third session, forty thousand dollars.

Gulfport, Miss. Contracts.

Gulfport, Mississippi, to Ship Island Harbor: The Secretary of War is hereby authorized to enter into a contract or contracts to dredge a channel three hundred feet wide and nineteen feet deep at mean low water from the anchorage at Ship Island Harbor, on the Gulf of Mexico, to Gulfport, in Harrison County, in the State of Mississippi, and to construct at the end of said channel next the shore an anchorage basin of similar depth not less than two thousand six hundred and forty feet by one thousand three hundred and twenty feet in area, at a cost not to exceed one hundred and fifty thousand dollars; and the Secretary of War is further authorized to contract for the maintenance of said channel and anchorage basin for the term of five years after its completion, for the sum of ten thousand dollars annually: *Provided*, That the necessary expenses for such examinations, surveys, and inspections of the work as may be required from time to time to determine whether the channel and anchorage basin are dredged and maintained as required by this Act, shall be paid from the permanent indefinite appropriation made by section four of the river and harbor Act approved July fifth, eighteen hundred and eighty-four: *And provided further*, That the depths provided for shall be at mean low water as determined by the engineer officer in local charge of work.

Channel and anchorage basin.

Proviso. Expenses, surveys, etc. Vol. 23, p. 147.

Depths.

Calcasieu River, La.

Improving mouth and passes of Calcasieu River, Louisiana: Continuing improvement, thirty-five thousand dollars.

Improving outlet Mississippi River, Pass a Loutre.

Improving outlet of the Mississippi River by constructing a sill across Pass a Loutre and by constructing and operating two dredges, two hundred thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to carry on such improvements, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate three hundred thousand dollars, exclusive of the amount herein appropriated. A board of four engineers shall be appointed by the President, of whom at least two shall be from civil life, who shall prepare and report, as soon as conveniently may be done, a project for securing a navigable channel of suitable width and of thirty-five feet depth at mean low water of the Gulf of Mexico throughout the Southwest Pass of the Mississippi River; said board of engineers shall submit detailed estimates of the cost of each and every feature of the project, and they shall report especially whether it is necessary to construct inner jetties; and if, in their judgment, inner jetties should be constructed, they shall provide for the location of the same, so as to involve the least cost consistent with the safety and efficiency of the work hereby contemplated. The sum of twenty thousand dollars, or so much thereof as may be necessary, is hereby appropriated to defray the cost of said board and of the preparation of said project.

Proviso. Contracts.

Board to report on channel through Southwest Pass.

Galveston, Tex.

Improving entrance to Galveston Harbor, Texas: For maintenance, fifty thousand dollars.

Galveston Ship Channel and Buffalo Bayou, Texas.

Improving Galveston Ship Channel and Buffalo Bayou, Texas: For improvement of the Galveston Ship Channel and Buffalo Bayou, by dredging or otherwise, from the jetties at Galveston, Texas, up through the present ship channel and Buffalo Bayou to the proposed harbor site at Houston, Texas, to be provided by the citizens of Houston, three hundred thousand dollars: *Provided*, That out of said sum a suitable dredge may be constructed for said work.

Proviso. Dredge.

Water route from Galveston to Houston, Tex.

For commencing the improvement of the water route from the mouth of the jetties at Galveston, through the existing ship channel and up Buffalo Bayou to Houston, Texas, including harbor at Houston, in accordance with project submitted by the Board of Engineers in report of survey dated November third, eighteen hundred and ninety-seven, two

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Provisos. Contracts.

hundred and fifty thousand dollars: *Provided*, That contracts may be entered into by the Secretary of War for the whole or any part of such materials and work as may be required for prosecuting said improvement, or the said materials may be purchased and the work done otherwise than by contract, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate two million dollars: *Provided further*, That out of said sum two dredges may be constructed for said work.

Dredges.

Brazos River, Tex.

Mouth of Brazos River, Texas: For dredging, and such other work as may be deemed most effective in the judgment of the Secretary of War in improving and developing the harbor, eighty-five thousand dollars: *Provided*, That no part of said sum shall be expended until the Brazos River Channel and Dock Company shall file with the Secretary of War a transfer to the United States of the jetties, and auxiliary works; also a release of all rights and privileges conferred upon said company by its charter or by the Act of Congress approved August ninth, eighteen hundred and eighty-eight, to charge or collect tolls for the use and navigation of said river; and the Secretary of War is directed to have an examination made of the mouth of the Brazos and the jetties, and report to Congress the estimated cost of extending the jetties one-half mile, and the estimated depth and width of the channel to be obtained by such extension, and the estimated cost of obtaining twenty feet of water and a channel one hundred and fifty feet wide.

Proviso. Transfer of rights, etc., by Brazos River Channel and Dock Company.

Vol. 25, p. 444.

Examination of river.

Deepening channel from Galveston Harbor to Texas City. *Contracts.*

Deepening the channel from Galveston Harbor to Texas City, Texas: The Secretary of War is hereby authorized to enter into a contract or contracts for deepening the present channel north of Pelican Island from Galveston Harbor to Texas City, Texas, to a depth of twenty-five feet and one hundred feet wide at the bottom, at a cost not to exceed two hundred and fifty thousand dollars, of which amount one hundred thousand dollars shall be paid whenever it shall satisfactorily appear to the Secretary of War, through army engineers, that said channel has been deepened to a depth of twenty-one feet, and the remainder of the price shall be paid when the whole work has been completed in a manner satisfactory to the Secretary of War.

Aransas Pass, Tex.

Improving Aransas Pass, Texas: For dredging and other improvement of Aransas Pass Harbor, sixty thousand dollars: *Provided*, That the Secretary of War is hereby authorized to contract for the removal of that portion of the old Government jetty in said harbor from the end nearest the curved jetty constructed by the Aransas Pass Harbor Company to the wreck Mary, in such manner as to in no wise interfere with the curved jetty now located in said harbor: *And provided further*, That said contract shall not be let by the Secretary of War, nor said work done, until the said Aransas Pass Harbor Company shall have properly released and surrendered all rights and privileges heretofore granted to it in said harbor by Congress, also the jetty constructed in said harbor.

Provisos. Removal of old Government jetty in harbor.

Surrender of rights by Aransas Pass Harbor Company.

Sabine Pass, Texas and Louisiana.

Sabine Pass, Texas and Louisiana: For straightening, widening, and otherwise improving the main ship channel, Sabine Pass, Texas and Louisiana, by the removal of the oyster reefs, mud flats, and other material between a point one thousand feet north of the United States life-saving station and a point opposite the United States light-house, one hundred and fifty thousand dollars.

Corpus Christi and Padre Island Harbor, Tex.

Corpus Christi and Padre Island Harbor, Texas: Section two of "An Act to promote the construction of a safe deep-water harbor on the coast of Texas," approved February ninth, eighteen hundred and ninety-one, and as amended January twenty-third, eighteen hundred and ninety-three, is hereby amended so as to extend the time to locate and commence the construction of the said Corpus Christi and Padre Island Harbor, off Padre Island, on the coast of Texas, two years from February ninth, eighteen hundred and ninety-nine.

Vol. 26, p. 741. Vol. 27, p. 422. Time extended for commencing construction.

Ashtabula, Ohio.

Improving harbor at Ashtabula, Ohio: Continuing improvement, fifty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as

Proviso. Contracts.

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may be necessary to complete the present project, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate four hundred and thirty thousand dollars, exclusive of the amount herein and heretofore appropriated.

Black River (Lorain), Ohio.

Improving harbor at Black River (Lorain), Ohio: Continuing improvement, fifty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete the project designated as Plan B, in the report dated November first, eighteen hundred and ninety-seven, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate six hundred thousand dollars, exclusive of the amount herein and heretofore appropriated.

Proviso. Contracts.

Cleveland, Ohio.

Improving harbor at Cleveland, Ohio, according to the report of January tenth, eighteen hundred and ninety-nine, seventy-five thousand dollars, of which amount such sum as may be necessary may be used in dredging between the Government piers.

Conneaut, Ohio.

Improving harbor at Conneaut, Ohio: Continuing improvement, one hundred thousand dollars.

Fairport, Ohio.

Improving harbor at Fairport, Ohio: Continuing improvement, one hundred thousand dollars.

Huron, Ohio.

Improving harbor at Huron, Ohio: Continuing improvement, twenty-five thousand dollars.

Sandusky, Ohio.

Improving harbor at Sandusky, Ohio: Continuing improvement in accordance with plans submitted February twenty-eighth, eighteen hundred and ninety-eight, eighty thousand dollars.

Port Clinton, Ohio.

Improving harbor at Port Clinton, Ohio: Continuing improvement, six thousand dollars.

Toledo, Ohio.

Improving harbor at Toledo, Ohio, by providing a straight channel through Maumee River and Bay four hundred feet in width and twenty-one feet deep, in accordance with the project dated December sixteenth, eighteen hundred and ninety-seven, one hundred and fifty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete the said project, to be paid for as appropriations may from time to time be made by law, not to exceed eight hundred thousand dollars, exclusive of the amount herein and heretofore appropriated.

Proviso. Contracts.

Michigan City, Ind. Outer harbor.

Improving outer harbor at Michigan City, Indiana: The Secretary of War may, in his discretion, modify the existing project in accordance with the recommendations contained in the report of the Board of Engineers under date of March sixth, eighteen hundred and ninety-seven, and expend the balance on hand from previous appropriations to the improvement of said harbor according to the project so modified: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete the said project, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate one hundred and ninety-five thousand dollars, exclusive of the amount herein and heretofore appropriated.

Proviso. Contracts.

Inner harbor Waukegan, Ill.

Improving inner harbor at Michigan City, Indiana: Continuing improvement, seven thousand five hundred dollars.

Improving harbor at Waukegan, Illinois: For maintenance, five thousand five hundred dollars.

Chicago, Ill.

Improving Chicago Harbor, Illinois: Continuing improvement, one hundred thousand dollars, to be expended in accordance with the project submitted by the Secretary of War as set forth in the report of Major W. L. Marshall of July sixteenth, eighteen hundred and ninety-seven.

Calumet, Ill.

Improving Calumet Harbor, Illinois, according to the project of February twenty-first, eighteen hundred and ninety-six: Continuing improvement, one hundred and fifty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete said

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project, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate eight hundred and fifty-nine thousand eight hundred and thirty dollars, exclusive of the amount herein and heretofore appropriated.

Charlevoix and Pine Lake, Mich.

Improving harbor at Charlevoix and entrance to Pine Lake, Michigan: Continuing improvement, fifteen thousand dollars.

Frankfort, Mich.

Improving harbor at Frankfort, Michigan: Continuing improvement, thirty-five thousand dollars.

Grand Haven, Mich.

Improving harbor at Grand Haven, Michigan: Continuing improvement, ten thousand dollars.

Grand Marais, Mich.

Improving harbor of refuge at Grand Marais, Michigan: Continuing improvement, twenty-five thousand dollars.

Manistee, Mich.

Improving harbor at Manistee, Michigan: Continuing improvement, twenty thousand dollars.

Holland (Black Lake), Mich.

Improving harbor at Holland (Black Lake), Michigan, in accordance with the report and plans submitted in House Document Number Two hundred and seventy-two, Fifty-fourth Congress, second session, thirty-seven thousand five hundred dollars.

Monroe, Mich.

Improving harbor at Monroe, Michigan: Continuing improvement by dredging channel, five thousand dollars.

Muskegon, Mich.

Proviso. Preventing erosion.

Improving harbor at Muskegon, Michigan: Continuing improvement, sixty thousand dollars: *Provided*, That any portion of the above sum may be used at the discretion of the Secretary of War, in sheet piling or otherwise, to prevent erosion and preserve the channel at any point where it may be necessary between Lake Michigan and Muskegon Lake.

Pentwater, Mich.

Improving harbor at Pentwater, Michigan: Continuing improvement, twenty five thousand dollars.

Portage Lake, Mich.

Proviso. Contracts.

Improving harbor of refuge, Portage Lake, Michigan: Continuing improvement, seventy-five thousand dollars: *Provided*, That the Secretary of War may enter into a contract or contracts for such materials and work as may be necessary to complete the present project for said harbor of refuge, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate eighty-five thousand dollars, exclusive of the amount herein and heretofore appropriated.

Sand Beach, Mich.

Proviso. Contracts.

Improving harbor of refuge at Sand Beach, Michigan, fifty thousand dollars: *Provided*, That the Secretary of War may enter into a contract or contracts for such materials and work as may be necessary to repair such harbor of refuge in accordance with the recommendation of the Chief of Engineers, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate two hundred thousand dollars, exclusive of the amounts herein and heretofore appropriated.

St. Joseph, Mich.

Proviso. Contracts.

Improving harbor at Saint Joseph, Michigan, in accordance with the modified project as printed in House Document Number Three hundred and seven, Fifty-fifth Congress, second session, fifty thousand dollars: *Provided*, That the Secretary of War may enter into a contract or contracts for such materials and work as may be necessary to complete such harbor in accordance with said modified project, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate three hundred and thirty thousand dollars, exclusive of the amounts herein and heretofore appropriated.

South Haven, Mich.

Improving harbor at South Haven, Michigan: Completing improvement, forty-five thousand dollars.

White Lake, Mich.

Improving harbor at White Lake, Michigan: For maintenance and continuing improvement, thirty-five thousand dollars.

Marquette, Mich.

Improving harbor at Marquette, Michigan: Continuing improvement, twenty-five thousand dollars.

Ludington, Mich.

Improving harbor at Ludington, Michigan, in accordance with the report and plan submitted in House Document Number Two hundred and seventy-three, Fifty-fourth Congress, second session, twenty five thousand dollars.

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Improving harbor at Petoskey, Michigan: Continuing improvement, twenty thousand dollars. Petoskey, Mich.

Improving harbor at Saugatuck, Michigan: Continuing improvement, seven thousand dollars. Saugatuck, Mich.

Improving harbor at Menominee, Michigan and Wisconsin: For maintenance, five thousand five hundred dollars. Menominee, Mich. and Wis.

Improving harbor at Cheboygan, Michigan: Continuing improvement, eight thousand dollars. Cheboygan, Mich

Improving harbor at Presque Ile Point, Marquette Bay, Michigan: Completing improvement, thirty thousand dollars. Presque Ile Point, Mich.

Improving harbor at Ahnapee, Wisconsin: Continuing improvement according to Plan A, submitted under date of December thirty-first, eighteen hundred and ninety-six, thirteen thousand dollars. Ahnapee, Wis.

Improving harbor at Green Bay, Wisconsin: Continuing improvement, twenty-eight thousand six hundred dollars. Green Bay, Wis.

Improving harbor at Kenosha, Wisconsin, according to the project dated January twelfth, eighteen hundred and ninety-nine, and the project for deepening the basin and widening and deepening said harbor, based upon the removal of the present north pier, dated January twenty-sixth, eighteen hundred and ninety-seven, fifty thousand dollars, of which three thousand dollars may be used for maintenance: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete the said projects, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate the sum of one hundred and forty-one thousand dollars, exclusive of the amount herein and heretofore appropriated. Kenosha, Wis. *Proviso.* Contracts.

Improving harbor at Kewaunee, Wisconsin: For maintenance, eight thousand eight hundred dollars. Kewaunee, Wis.

Improving harbor of refuge at Milwaukee, Wisconsin: Continuing improvement, fifty thousand dollars: *Provided*. That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete the present project for said harbor of refuge, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate the sum of one hundred and five thousand six hundred and fifty dollars, exclusive of the amount herein and heretofore appropriated. Milwaukee, Wis., harbor of refuge. *Proviso.* Contracts.

Improving harbor at Milwaukee, Wisconsin: For maintenance, fourteen thousand dollars; for deepening the channel at the entrance in accordance with the project submitted November twenty-third, eighteen hundred and ninety-six, twelve thousand dollars. —harbor.

Improving harbor at Port Washington, Wisconsin: For maintenance, four thousand four hundred dollars. Port Washington, Wis.

Improving harbor at Racine, Wisconsin, according to the project reported January twelfth, eighteen hundred and ninety-nine, and the project for widening and deepening said harbor and correcting the funnel-shaped entrance thereof, reported January twenty-seventh, eighteen hundred and ninety-seven, fifty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete said projects, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate sixty-seven thousand six hundred and fifty dollars, exclusive of the amount herein and heretofore appropriated, of which three thousand dollars may be used for maintenance. Racine, Wis. *Proviso.* Contracts.

Improving harbor at Sheboygan, Wisconsin: For maintenance, three thousand four hundred dollars; for improving said harbor according to the project for a breakwater reported July twenty-sixth, eighteen hundred and ninety-eight, twenty-five thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete said project, to be paid for as appropriations may from time to time be made by law, Sheboygan, Wis. *Proviso.* Contracts.

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not to exceed in the aggregate the sum of fifty-two thousand dollars, exclusive of the amount herein and heretofore appropriated.

Ashland, Wis.

Improving harbor at Ashland, Wisconsin: Continuing improvement, thirty-five thousand dollars, of which so much as shall be necessary may, in the discretion of the Secretary of War, be expended in completing the shore end of the breakwater, now partly constructed, and connecting it with the land.

Two Rivers, Wis

Improving harbor at Two Rivers, Wisconsin: For maintenance, eight thousand dollars.

Sturgeon Bay Canal harbor of refuge.

Improving Sturgeon Bay Canal, harbor of refuge: For maintenance of channel and piers, five thousand five hundred dollars.

Ocotno, Wis.

Improving harbor at Oconto, Wisconsin: Continuing improvement and maintenance, fifteen thousand dollars.

Sturgeon Bay and Lake Michigan Ship Canal.

Improving Sturgeon Bay and Lake Michigan Ship Canal: Continuing improvement, thirty thousand dollars.

Manitowoc, Wis.

Improving harbor at Manitowoc, Wisconsin: For maintenance, three thousand three hundred dollars.

La Crosse, Wis.

Completing harbor at La Crosse, Wisconsin: Continuing improvement according to the project reported January eleventh, eighteen hundred and ninety-seven, twelve thousand dollars, exclusive of five thousand dollars appropriated by river and harbor Act of June third, eighteen hundred and ninety-six: *Provided*, That no expenditure shall be made for such purpose by the United States until the city of La Crosse shall have taken the necessary steps to carry the sewers across the area to be filled in, so as to discharge outside of the bulkhead proposed in said project.

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Proviso. Condition of expenditure.

Grand Marais, Minn.

Improving harbor at Grand Marais, Minnesota: Completing improvement, thirty thousand dollars.

Agate Bay, Minn.

Improving harbor at Agate Bay, Minnesota: Completing improvement, seventy-one thousand seven hundred and eight dollars.

Alviso, Cal.

Improving Alviso Harbor, Santa Clara County, California, in accordance with project reported December eleventh, eighteen hundred and ninety-six, forty-eight thousand dollars.

San Diego, Cal.

Improving harbor at San Diego, California: Continuing improvement, sixty-five thousand dollars.

San Luis Obispo, Cal.

Improving harbor at San Luis Obispo, California: Continuing improvement, fifty-five thousand dollars.

Humboldt, Cal.

Improving harbor at Humboldt, California: Continuing improvement, by dredging in the inner harbor, fifty thousand dollars.

San Francisco, Cal.

Improving San Francisco Harbor, California: By removing Arch Rock and Shag Rocks Numbered One and Two, all to a depth of thirty feet below mean low water, according to the report made October thirteenth, eighteen hundred and ninety-seven, one hundred thousand dollars: *Provided*, That the Secretary of War may enter into a contract or contracts for the materials and work necessary for the completion of said project, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate five hundred thousand dollars, exclusive of the amount herein appropriated.

Proviso. Contracts.

Yaquina Bay, Oreg. Board to investigate proposed improvement.

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Yaquina Bay, Oregon: The Secretary of War is hereby authorized to appoint a board of three engineers who shall make examination thereof, with a view to ascertaining the desirability of prosecuting the work authorized by the river and harbor Act of eighteen hundred and ninety-six, for such modification thereof as, in the judgment of said board may be desirable for the commerce of said bay, together with an estimate of the cost of such work, and until such report shall have been made and acted upon by Congress, no further action shall be taken by the Secretary of War in pursuance of existing law, and five thousand dollars, or so much thereof as may be necessary, is hereby appropriated to pay the expenses of such examination.

Tillamook Bay and Bar, Oreg

Improving Tillamook Bay and Bar, Oregon: Continuing improvement, twenty-five thousand dollars.

Siuslaw River, Oreg.

Mouth of Siuslaw River, Oregon: Continuing improvement, thirty thousand dollars.

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Improving entrance to Coos Bay and Harbor, Oregon: Continuing improvement, one hundred and fifty thousand dollars. Coos Bay, Oreg.

Improving Olympia Harbor, Washington: Continuing improvement, fifteen thousand dollars. Olympia, Wash.

Improving Everett Harbor, Washington: Continuing improvement, fifty thousand dollars: *Provided*, That the Secretary of War may enter into a contract or contracts for the materials and work necessary for the completion of said project, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate three hundred and forty-two thousand dollars, exclusive of the amount herein and heretofore appropriated. Everett, Wash. *Proviso.* Contracts.

Improving Pearl Harbor, Hawaii, in accordance with the report submitted by Rear Admiral Walker, July eleventh, eighteen hundred and ninety-four, and contained in Senate Executive Document Number Forty-two, Fifty-third Congress, third session: Completing improvement, one hundred thousand dollars. Pearl Harbor, Hawaii.

Improving Bagaduce River, Maine: Continuing improvement, three thousand dollars. Rivers. Bagaduce River, Me.

Improving Penobscot River, Maine, in accordance with the project submitted May third, eighteen hundred and ninety-seven: Completing improvement, twenty-eight thousand dollars. Penobscot River, Me.

Improving Narragaugus River, Maine: Completing improvement, five thousand dollars. Narragaugus River, Me.

Improving Lubec Channel, Maine: Continuing improvement, twenty-five thousand dollars. Lubec Channel, Me.

Improving Georges River, Maine: Continuing improvement, ten thousand dollars. Georges River, Me.

Improving Union River, Maine: Continuing improvement, fifteen thousand dollars: *Provided*, That the Secretary of War may enter into contract or contracts for such material and work as may be necessary to complete the present project, to be paid for as appropriations may from time to time be made by law, not exceeding in the aggregate one hundred and fifteen thousand dollars, exclusive of the amount herein and heretofore appropriated. Union River, Me. *Proviso.* Contracts.

Improving Saco River, Maine, including breakwater, five thousand dollars. Saco River, Me.

Improving Cocheco River, New Hampshire: Continuing improvement, twenty thousand dollars. Cocheco River, N. H.

Improving Exeter River, New Hampshire, in accordance with project submitted May third, eighteen hundred and ninety-seven: Completing improvement, twelve thousand dollars. Exeter River, N. H.

Improving Otter Creek, Vermont: Continuing improvement, one thousand dollars. Otter Creek, Vt.

Improving the Narrows of Lake Champlain, Vermont: Continuing improvement, five thousand dollars. Lake Champlain, Narrows.

Improving Powow River, Massachusetts: Continuing improvement, twelve thousand dollars. Powow River, Mass.

Improving Taunton River, Massachusetts: Completing improvement, seven thousand dollars. Taunton River, Mass.

Improving Weymouth River, Massachusetts: Continuing improvement, ten thousand dollars. Weymouth River, Mass.

Improving Essex River, Massachusetts: Completing improvement, ten thousand dollars. Essex River, Mass.

Improving Mystic and Malden rivers, Massachusetts: Continuing improvement, five thousand dollars. Mystic and Malden Rivers, Mass.

Improving Mystic River, Massachusetts, below the mouth of Island End River, fifty thousand dollars, according to the project printed in House Document Number One hundred and seventy-eight, Fifty-fifth Congress, third session. Mystic River, Mass. below Island End River.

Improving Town River, Massachusetts: Continuing improvement, eight thousand dollars. Town River, Mass.

Improving Merrimac River, Massachusetts: Continuing improvement in accordance with the project submitted May fifth, eighteen hundred and ninety-seven, forty thousand dollars. Merrimac River, Mass.

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Pawtucket River, R. I.
Provisos.
Straightening channel.

Improving Pawtucket River, Rhode Island: Continuing improvement, thirty thousand dollars: *Provided*, That so much of this sum as may be deemed necessary by the engineer in charge may be used in straightening the channel between the mouth of Ten Mile River and Bucklins Island.

Connecticut River.

Improving Connecticut River below Hartford, Connecticut: Continuing improvement, twenty thousand dollars.

Housatonic River, Conn.

Improving Housatonic River, Connecticut: Continuing improvement, fifteen thousand dollars.

Mystic River, Conn.

Improving Mystic River, Connecticut: Completing improvement, nine thousand six hundred dollars.

Thames River, Conn.
Provisos.
Norwich, Conn., increased depth.

Improving Thames River, Connecticut: Continuing improvement, twenty thousand dollars: *Provided*, That a part of this appropriation may, in the discretion of the Secretary of War, be used to secure depth of water for anchorage purposes at Norwich, west of Norwich docks: *Provided further*, That out of this appropriation the Secretary of War is directed to cause a survey and estimate of the cost of improvement to be made with a view to improving the harbor at New London, Connecticut, to meet the demands of commerce at that port.

Survey directed at New London, Conn.

Pawcatuck River, R. I. and Conn.

Improving Pawcatuck River, Rhode Island and Connecticut: Continuing improvement, fifteen thousand dollars.

Sakonnet River, R. I.

Sakonnet River, Rhode Island: Completing improvement, twenty thousand dollars, with authority to use the unexpended balance.

Hudson River, N. Y.
Proviso.
Contracts.

Improving Hudson River, New York: Continuing improvement, one hundred thousand dollars; and the Secretary of War may make such changes in the project for location and width of channel at and near Troy as in his opinion the interests of navigation may require: *Provided*, That contracts may be entered into by the Secretary of War for such materials and labor as may be required for prosecuting such improvement according to approved project, not to exceed in the aggregate five hundred thousand dollars exclusive of the amount herein and heretofore appropriated, to be paid for as appropriations may from time to time be made by law.

Harlem River, N. Y.
—use of unused stone, etc.

Improving Harlem River, New York: Continuing improvement, one hundred thousand dollars. And the Secretary of War is authorized and directed to take such action as may be most advantageous to the United States regarding the unused stone originally excavated for this improvement and now stored on leased ground known as Dyckmans Meadows, and so much of the appropriation herein made as may be necessary may be used for such purpose.

East River and Hell Gate, N. Y.

Improving East River and Hell Gate, New York: Continuing improvement, including the removal of Man of War Rock, two hundred and fifty thousand dollars.

Browns Creek, Sayville, L. I., N. Y.

Improving Browns Creek, Sayville, Long Island, New York: Continuing improvement and for maintenance, three thousand dollars.

St. Lawrence River, N. Y., improving shoals.

Improving shoals between Sister Islands and Cross Over light, Saint Lawrence River, New York: Continuing improvement, twenty thousand dollars, to be expended for improving shoals between Sister Islands and Cross-Over light and in the Saint Lawrence River between Ogdensburg and the foot of Lake Ontario.

Niagara River.

Improving Niagara River from Tonawanda to Port Day: Continuing improvement, fifteen thousand dollars.

Bronx River, N. Y.

Improving Bronx River, New York: Continuing improvement, twenty thousand dollars.

Passaic River, N. J.

Improving Passaic River, New Jersey: Continuing improvement, fifteen thousand dollars.

Raritan River, N. J.

Improving Raritan River, New Jersey: Continuing improvement, twenty thousand dollars.

Shrewsbury River, N. J.

Improving Shrewsbury River, New Jersey: For maintenance, ten thousand dollars.

South River, N. J.

Improving South River, New Jersey: Continuing improvement, five thousand dollars.

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Improving Alloway Creek, New Jersey: Continuing improvement. three thousand dollars. Alloway Creek, N. J.

Improving Mattawan Creek, New Jersey: For maintenance, three thousand dollars. Mattawan Creek, N. J.

Improving Shoal Harbor and Compton Creek, New Jersey: Continuing improvement, eight thousand dollars; which sum shall be expended for extending the improved channel farther toward the five-foot contour of Raritan Bay. Shoal Harbor and Compton Creek, N. J.

Improving Goshen Creek, New Jersey: Completing improvement, eight thousand dollars. Goshen Creek, N. J.

Improving Manasquan River, New Jersey: Continuing improvement, five thousand dollars. Manasquan River, N. J.

Improving Rancocas River, New Jersey: Continuing improvement, two thousand dollars, to be expended in the Lumberton branch thereof. Rancocas River, N. J.

Improving Mantua Creek, New Jersey, in accordance with the project presented in House Document Number One hundred and twenty-three, Fifty-fifth Congress, second session, twenty-five thousand dollars: *Provided*, That no part of any money appropriated for this project in excess of eight thousand dollars shall be expended for right of way privileges, easements, or other rights above the phosphate works and below Paulsboro, and no part thereof shall be expended for any such purpose unless all such rights are secured for an amount not in excess of said sum of eight thousand dollars. Mantua Creek, N. J. *Proviso.* Amount available for rights of way, etc.

Improving Allegheny River, Pennsylvania: Continuing improvement, fifteen thousand dollars. Allegheny River, Pa.

Improving Delaware River from Trenton to its mouth, Pennsylvania and New Jersey: Continuing improvement, three hundred thousand dollars, of which the Secretary of War may use so much as may, in his opinion, be required between Trenton and Christian street in Philadelphia, and the balance shall be available for obtaining a channel six hundred feet wide and thirty feet deep from said Christian street to deep water in Delaware Bay, in accordance with the report printed in House Document Number Two hundred and nineteen, Fifty-fifth Congress, second session, or such modified project as shall hereafter be recommended by a board of engineers and approved by the Secretary of War: *Provided*, That the total cost of the work shall not be increased thereby: *And provided further*, That the Secretary of War may enter into contract or contracts for such materials and work as may be required for prosecuting such improvement, not to exceed in the aggregate five hundred thousand dollars, to be paid for as appropriations may from time to time be made by law. The Secretary of War is hereby authorized to appoint a board of three engineers to make a further examination of the project and report such modification of the same as may be deemed desirable, with an estimate of the cost, the expense of such examination to be paid from the appropriation herein made. Delaware River, from Trenton, etc.—improvement, Philadelphia. *Provisos.* Limit of cost. Contracts. Board to examine project.

Improving Monongahela River: For the enlargement and improvement of Lock Six on the Monongahela River, and for extension of existing fender and mooring crib three hundred linear feet above Lock Three, and building a deflecting dike one thousand eight hundred feet above said lock on said river, and for a new repair steamer with snagging appliances, and for a new dredge boat and two dump scows, fifty thousand dollars: *Provided*, That the Secretary of War may enter into a contract or contracts for the completion of said work and the purchase or construction of said boats, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate one hundred and thirty-five thousand five hundred and fifty-six dollars, exclusive of the amount herein appropriated. Monongahela River. Lock six. Above Lock three. Repair steamer, etc. *Proviso.* Contracts.

Improving Appoquinimink River, Delaware: Continuing improvement, five thousand dollars. Appoquinimink River, Del.

Improving Smyrna River, Delaware: Continuing improvement, five thousand dollars. Smyrna River, Del.

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Murderkill River, Del.

Improving Murderkill River, Delaware: Continuing improvement, five thousand dollars.

Broad Creek River, Del.

Improving Broad Creek River, Delaware: Completing improvement, five thousand dollars.

Mispillion River, Del.

Improving Mispillion River, Delaware: Completing improvement and for maintenance, two thousand five hundred dollars.

Nanticoke River, Del. and Md.

Improving Nanticoke River, Delaware and Maryland: Continuing improvement, three thousand dollars.

Choptank River, Md.

Improving Choptank River, Maryland: Continuing improvement, eight thousand dollars.

Chester River, Md.

Improving Chester River, Maryland: Completing improvement, three thousand two hundred dollars.

Manokin River, Md.

Improving Manokin River, Maryland: Continuing improvement, one thousand five hundred dollars.

Warwick River, Md.

Improving Warwick River, Maryland: Continuing improvement, two thousand dollars.

Patapsco River to Baltimore.

Contracts.

Improving Patapsco River and channel to Baltimore: Continuing improvement, two hundred thousand dollars, for the purpose of obtaining a channel thirty feet in depth, in accordance with the project submitted December first, eighteen hundred and ninety-four, as amended by the report of December third, eighteen hundred and ninety-six; and the Secretary of War may enter into contracts for such material and labor as may be required for prosecuting such improvement, not to exceed in the aggregate one million dollars, to be paid for as appropriations may from time to time be made by law.

Pocomoke River, Md.

Improving Pocomoke River, Maryland: Continuing improvement, three thousand dollars.

Potomac River below Washington.

Proviso.
Contracts.

Improving Potomac River at and below the city of Washington, District of Columbia, one hundred thousand dollars: *Provided*, That the Secretary of War may enter into a contract or contracts for the materials and work necessary for the completion of the improvements below the city of Washington, in accordance with the project submitted November sixth, eighteen hundred and ninety-one, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate one hundred and fifty thousand dollars, exclusive of the amount herein and heretofore appropriated.

Appomattox River, Va.

Improving Appomattox River, Virginia: Continuing improvement, five thousand dollars.

Nansemond River, Va.

Improving Nansemond River, Virginia: Continuing improvement, five thousand dollars.

James River, Va.

Improving James River, Virginia: Continuing improvement, one hundred and fifty thousand dollars.

Nomini Creek, Va.

Improving Nomini Creek, Virginia: Continuing improvement, ten thousand dollars.

Deep Creek, Va.

Proviso.
Contracts.

Improving Deep Creek, Virginia, from the South Branch of the Elizabeth River to the new lock at the Dismal Swamp Canal, Turners Cut Level, Croatan Sound, and Pasquotank River, North Carolina, twenty-five thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete the project for the said improvement as submitted by Major Thomas L. Casey, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate two hundred and thirty-two thousand four hundred and fifty dollars, exclusive of the amount herein appropriated.

Rappahannock River, Va.

Improving Rappahannock River, Virginia: Continuing improvement, fifteen thousand dollars.

Urbana Creek, Va.

Improving Urbana Creek, Virginia: Continuing improvement, three thousand dollars.

York River, Va.

Improving York River, Virginia: Continuing improvement, ten thousand dollars.

Occoquan Creek, Va.

Improving Occoquan Creek, Virginia: Continuing improvement, two thousand five hundred dollars.

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Improving Lower Machodoc Creek, Virginia: Continuing improvement, one thousand five hundred dollars. Lower Machodoc Creek, Va.

Improving Nandua Creek, Virginia: Completing improvement in accordance with the project submitted June seventeenth, eighteen hundred and ninety-five, three thousand dollars in addition to the amount heretofore appropriated. Nandua Creek, Va.

Improving Elk River, West Virginia: Continuing improvement, the funds now available for expenditure above Frametown, Braxton County, West Virginia, shall, so far as may be necessary, be spent in removing snags, overhanging timber, bowlders, and other similar obstructions. Elk River, W. Va.

Improving Little Kanawha River, West Virginia: For clearing obstructions and maintenance, seven hundred and forty-three dollars. Little Kanawha River, W. Va.

Improving Guyandotte River, West Virginia: For maintenance, one thousand dollars. Guyandotte River, W. Va.

Improving North East River, North Carolina: For maintenance, two thousand dollars. North East River, N. C.

Improving Cape Fear River, North Carolina, above Wilmington: Continuing improvement and maintenance, five thousand dollars. Cape Fear River, N. C.

Improving Cape Fear River, North Carolina, at and below Wilmington: Continuing improvement, one hundred and fifty thousand dollars.

Improving Contentnia Creek, North Carolina: For maintenance, including snagging, two thousand dollars. Contentnia Creek, N. C.

Improving Neuse River, North Carolina: For maintenance, ten thousand dollars. Neuse River, N. C.

Improving Pamlico and Tar rivers, North Carolina: Continuing improvement and for maintenance, fifteen thousand dollars. Pamlico and Tar rivers, N. C.

Improving Trent River, North Carolina: For maintenance, two thousand five hundred dollars. Trent River, N. C.

Improving Black River, North Carolina: For maintenance, two thousand dollars. Black River, N. C.

Improving inland water route from Norfolk Harbor, Virginia, to Albemarle Sound, North Carolina, through Currituck Sound: Continuing improvement, eight thousand dollars. Water route from Norfolk to Albemarle Sound, N. C.

Improving Fishing Creek, North Carolina: Completing improvement, seven thousand seven hundred and fifty dollars. Fishing Creek, N. C.

Improving Town Creek, Brunswick County, North Carolina: To make a channel forty feet wide at bottom and five feet deep at mean low water from the mouth to Upper Bridge, and to snag and remove obstructions from the creek from the mouth to The Rocks: *Provided*, That no work be done until Upper Bridge is provided with a proper draw, eight thousand five hundred dollars. Town Creek, N. C. *Proviso.* Draw at Upper Bridge.

Improving Great Pedee River, South Carolina: Continuing improvement, four thousand dollars. Great Pedee River, S. C.

Improving Santee River, South Carolina: Continuing improvement, twenty thousand dollars. Santee River, S. C.

Improving Waccamaw River, North Carolina and South Carolina: Continuing improvement, three thousand dollars. Waccamaw River, N. C. and S. C.

Improving Wateree River, South Carolina: For maintenance, two thousand five hundred dollars. Wateree River, S. C.

Improving Congaree River, South Carolina, from Gervais Street Bridge, Columbia, to Granby, in accordance with plan submitted January second, eighteen hundred and ninety-four, fifty thousand dollars: *Provided*, That contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete said improvement, to be paid for as appropriations may from time to time be made by law, not exceeding in the aggregate two hundred thousand dollars exclusive of the amount herein appropriated. Congaree River, S. C. *Proviso.* Contracts.

Improving Altamaha River, Georgia: Continuing improvement, six thousand dollars. Altamaha River, Ga.

Improving Chattahoochee River, Georgia and Alabama: Continuing improvement, fifty thousand dollars, of which fifteen thousand dollars, or as much thereof as may be necessary, may be applied to the building Chattahoochee River, Ga. and Ala. Dredge boat for, and Flint, etc., rivers.

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Surveys.

or purchase of a dredge boat to be used on the Chattahoochee, Flint, and Appalachicola rivers; and five thousand dollars, or so much thereof as may be necessary, shall be applied to the survey of that portion of the river between West Point and Franklin, and, in addition, the balance of appropriation heretofore made now on hand shall be available for the purpose of the survey.

Flint River, Ga.

Improving Flint River, Georgia: Continuing improvement, five thousand dollars.

Ocmulgee River, Ga.

Proviso.
Contracts.

Improving Ocmulgee River, Georgia: Continuing improvement, twenty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War to complete the present project of improvement, namely: The project proposed in the report of a preliminary examination and survey of Captain O. M. Carter, printed in House Executive Document Number Two hundred and fifteen, Fifty-first Congress, first session, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate one hundred and thirty-six thousand dollars, exclusive of amounts herein and heretofore appropriated.

Oconee River, Ga.

Improving Oconee River, Georgia: Continuing improvement, ten thousand dollars.

Savannah River, Ga.

Proviso.
Contracts.

Improving Savannah River between Augusta and Savannah: Continuing improvement, twenty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for the materials and work that may be necessary to complete the existing project of improvement, namely: The project provided by the survey of eighteen hundred and ninety, and published in the Appendix to the Report of the Chief of Engineers, eighteen hundred and ninety, pages thirteen hundred and twenty-eight to thirteen hundred and sixty-three, or the required materials may be purchased and the work done otherwise than by contract, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate two hundred and fifty thousand dollars, exclusive of the amounts herein and heretofore appropriated.

Savannah River, above Augusta.

Improving Savannah River above Augusta, Georgia: Continuing improvement, one thousand dollars.

Coosa River, Ga. and Ala.

Improving Coosa River between Rome, Georgia, and the East Tennessee, Virginia and Georgia Railroad bridge in Alabama: For maintenance and deepening the channel over the shoals and removing obstructions therefrom, twenty thousand dollars.

Apalachicola River, Fla.

Improving Apalachicola River, Florida, including the cut-off and Lower Chipola River: Continuing improvement, three thousand dollars.

Caloosahatchee River, Fla.

Improving Caloosahatchee River, Florida: For maintenance, two thousand dollars.

Choctawhatchee River, Fla. and Ala.

Improving Choctawhatchee River, Florida and Alabama: Continuing improvement, sixteen thousand dollars; of which amount ten thousand dollars shall be expended for the improvement of the river between Newton and Geneva.

Escambia and Conecuh Rivers, Fla.

Improving Escambia and Conecuh rivers, Florida: Continuing improvement, five thousand dollars.

Manatee River, Fla.

Proviso.
Dredging Cut Off channel.

Improving Manatee River, Florida: Continuing improvement, ten thousand dollars: *Provided*, That eight thousand dollars, or so much thereof as may be necessary, be used in dredging, deepening, and otherwise improving the navigation of the channel known as the Cut-Off, extending from said Manatee River, on the north side thereof, and below the town of Palmetto, in Terraceia Bay.

St. Johns River, Fla.

Improving Saint Johns River, Florida, from Jacksonville to the ocean: Continuing improvement, two hundred thousand dollars.

Suwanee River, Fla.

Improving Suwanee River, Florida: Continuing improvement, five thousand dollars.

Volusia Bar, Fla.

Improving Volusia Bar, Florida: For maintenance, two thousand dollars.

Ocklawaha River, Fla.

Improving Ocklawaha River, Florida: For maintenance, three thousand dollars.

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Improving Sarasota Bay, Florida: Continuing improvement, five thousand dollars. Sarasota Bay, Fla.

Improving Indian River, Florida: By dredging channel at Negro Cut near Indian River Inlet, five thousand dollars; and the unexpended balance of the amount heretofore appropriated may be expended in the construction of training wall or piling for the protection of the dredged channel. Indian River, Fla.

Improving Upper Chipola River, Florida, in accordance with the project submitted, five thousand dollars. Upper Chipola River, Fla.

Improving Anclote River, Florida, in accordance with the project submitted, five thousand dollars. Anclote River, Fla.

Improving Black Water River, Florida, from Milton to its mouth, in accordance with the project submitted, five thousand dollars. Black Water River Fla.

Improving Holmes River, Florida, from Vernon to its mouth: So much of the unexpended balance as is necessary in the opinion of the Secretary of War is hereby reappropriated for maintenance in accordance with the existing project. Holmes River, Fla.

Improving Saint Johns River, Orange Mills Flats, Florida, in accordance with the approved project, forty thousand dollars. St. Johns River, Fla.

The sum of thirty-five thousand dollars, or so much thereof as may be necessary, is hereby appropriated, to be expended, in the discretion of the Secretary of War, in the purchase or construction of a suitable dredge, with snagging outfit, to be used in connection with the several works of river and harbor improvement on the coast of Florida and the waters tributary thereto. Dredge, etc., Florida improvements.

The sum of twenty-five thousand dollars, or so much thereof as may be necessary, is hereby appropriated, to be expended under the direction of the Secretary of War, for the construction of a boat suitable for operating on the navigable streams of the State of Florida, in removing therefrom the aquatic plant known as the water hyacinth, so far as it is an obstruction and hindrance to interstate or foreign commerce; also, one thousand dollars for log booms to be used as adjuncts to such steamer, and ten thousand dollars for conducting the necessary operations, making thirty-six thousand dollars in all, according to the estimate and recommendation of the War Department as found in House Document Number Ninety-one, Fifty-fifth Congress, third session. Boat to remove the water hyacinth. —expenses, etc.

Improving Alabama River, Alabama: Continuing improvement, fifty thousand dollars. Alabama River, Ala.

Improving Black Warrior River, Alabama, from Tuscaloosa to Daniels Creek: Continuing improvement, fifty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to construct Lock and Dam Numbered Four, above Tuscaloosa, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate one hundred and forty thousand five hundred dollars, exclusive of the amount herein and heretofore appropriated. Black Warrior River, Ala. *Proviso.* Contracts.

Improving Warrior and Tombigbee rivers, Alabama: Continuing improvement of Warrior River, two hundred and twenty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to construct three locks and dams next below Tuscaloosa, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate four hundred and forty thousand dollars, exclusive of the amount herein and heretofore appropriated. Warrior and Tombigbee rivers, Ala. *Proviso.* Contracts.

Improving Tombigbee River from Fulton to Columbus: Continuing improvement and for maintenance, five thousand dollars. Tombigbee river.

Improving Tombigbee River from Demopolis, Alabama, to Columbus, Mississippi: Continuing improvement, ten thousand dollars.

Improving Tombigbee River from Walkers Bridge to Fulton: Continuing improvement and for maintenance, one thousand dollars.

Improving Tombigbee River, Alabama, from mouth to Demopolis:

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Proviso. Lock at McGrews Shoals.

Continuing improvement, fifty thousand dollars: *Provided*, That the same or so much thereof as may be necessary shall be used to complete the lock at McGrews Shoals.

Big Sunflower River, Miss.

Improving Big Sunflower River, Mississippi: Continuing improvement, five thousand dollars.

Pascagoula River, Miss., and Horn Island Harbor.

Pascagoula River, Mississippi, and Horn Island Harbor: Improving the same as recommended by the reports dated December twenty-eighth, eighteen hundred and ninety-six, and August twenty-ninth, eighteen hundred and ninety-eight, respectively, fifty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete the plan of improvement so recommended, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate two hundred and sixty-seven thousand six hundred dollars, exclusive of the amount herein and heretofore appropriated.

Proviso. Contracts.

Pearl River, Miss.

Improving Pearl River, between Edinburg and Carthage, Mississippi: For maintenance, one thousand dollars.

Improving Pearl River, between Carthage and Jackson, Mississippi: For maintenance, two thousand five hundred dollars.

Improving Pearl River, below Jackson, Mississippi: Continuing improvement, seven thousand dollars, which shall be expended in work on the river, beginning at the head of Holmes Bayou and continuing up the river to Monticello.

Tallahatchee River, Miss.

Improving Tallahatchee River, Mississippi: Continuing improvement, five thousand dollars.

Yazoo River, Miss.

Improving Yazoo River, Mississippi: Continuing improvement, twenty thousand dollars, of which so much as may be necessary may, in the discretion of the Secretary of War, be expended in removing the bar at Yazoo City.

Chickasahay River, Miss.

Improving Chickasahay River, Mississippi: For maintenance, two thousand five hundred dollars.

Leaf River, Miss.

Improving Leaf River, Mississippi: For maintenance, two thousand five hundred dollars.

Homochitto River, Miss.

Improving Homochitto River, Mississippi: Completing improvement, in accordance with the approved project, sixteen thousand dollars.

Pearl River, Miss., mouth.

Mouth of Pearl River, Mississippi: Completing improvement in accordance with the project dated December twenty-third, eighteen hundred and ninety-six, eighteen thousand one hundred and ninety-nine dollars and eighty cents.

Amite River. Bayou Manchac, La.

Improving Amite River and Bayou Manchac, Louisiana: For maintenance, two thousand five hundred dollars.

Boeuf River, La.

Improving Boeuf River, Louisiana: Continuing improvement, six thousand dollars.

Bayou Bartholomew, La. and Ark.

Improving Bayou Bartholomew, Louisiana and Arkansas: For maintenance, five thousand dollars.

Tensas River and Bayou Maçon, La. and Ark.

Improving Tensas River and Bayou Maçon, Louisiana and Arkansas: Completing improvement, four thousand dollars.

Red River, La., Ark., and Ind. T.

Improving Red River, Louisiana, Arkansas, and Indian Territory: Continuing improvement, one hundred and fifty thousand dollars.

Alexandria, La.

And an examination shall be made of the harbor of Alexandria, and a report as to what improvement, if any, should be made thereof, together with an estimate of the cost thereof.

Tickfaw River, La.

Improving Tickfaw River, Louisiana: For maintenance, one thousand dollars.

Bayou Lafourche, La.

Improving Bayou Lafourche, Louisiana: For maintenance, seven thousand five hundred dollars.

Chefuncte River and Bogue Falia, La.

Improving Chefuncte River and Bogue Falia, Louisiana: For maintenance, one thousand dollars.

Bogue Chitto, La.

Improving Bogue Chitto, Louisiana: Continuing improvement, five thousand dollars.

Bayou Vermilion, La.

Improving channel, bay, and passes of Bayou Vermilion, Louisiana: Continuing improvement, two thousand five hundred dollars.

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The sum of twenty-five thousand dollars, or so much thereof as may be necessary, is hereby appropriated, to be expended under the direction of the Secretary of War, for the construction of a boat suitable for operating on the navigable streams of the State of Louisiana in removing therefrom the aquatic plant known as the water hyacinth, so far as it is an obstruction and hindrance to interstate or foreign commerce; also, one thousand dollars for log booms to be used as adjuncts to such steamer, and ten thousand dollars for conducting the necessary operations, making thirty-six thousand dollars in all, according to the estimate and recommendation of the War Department as found in House Document Number Ninety-one, Fifty-fifth Congress, third session.

Boat for waters of Louisiana to remove the water hyacinth.

—expenses, etc.

Improving Bayou Teche, Louisiana: Continuing improvement, ten thousand dollars.

Bayou Teche, La.

Improving Mermentau River and tributaries, Louisiana: Completing improvement, six thousand one hundred and fifteen dollars and twenty-five cents.

Mermentau River, La.

Improving Johnson's Bayou, Lonisiana: Completing improvement in accordance with the approved project, two thousand five hundred dollars.

Johnson's Bayou, La.

Improving Bayou Courtableau, Louisiana: Continuing improvement, by removal of the raft at its mouth and preventing re-formation thereof, twenty thousand dollars.

Bayou Courtableau, La.

Improving Trinity River, Texas: Continuing improvement, seven thousand dollars: *Provided*, That out of said sum the Secretary of War is hereby directed to cause a preliminary survey of said Trinity River to be made from its mouth to the city of Dallas, with separate estimates of the cost of procuring a navigable depth at low water of four feet, five feet, and six feet, respectively, in said river, by locks and dams or otherwise; said report to include the best method for improving the river, and such report may be made so as to divide said river into separate sections, with a statement of the advisability of such improvement.

Trinity River, Tex.

Proviso.

Preliminary survey of, etc.

Improving Sabine River, Texas: For maintenance, two thousand dollars.

Sabine River, Tex.

For the improvement of the Brazos River between Velasco and Richmond, West Galveston Bay Channel, Double Bayou, and the mouths of adjacent streams, sixty-five thousand dollars, out of which said sum a suitable dredge and snagging outfit may be provided to carry on said work and to be used on other approved projects on the Texas coast, including streams emptying into the Gulf of Mexico and bays connected therewith.

Brazos River.

West Galveston Bay Channel, Double Bayou, etc.

Improving the mouths of the Sabine and Neches rivers, ten thousand dollars: *Provided*, That from said amount there shall be paid the expenses of making a survey by a board of engineers to be designated by the Secretary of War, and said board shall make a reexamination of the proposed channel through Sabine Lake and make a report thereon.

Sabine and Neches rivers.

Proviso.

Board to reexamine channel through Sabine Lake.

Improving Arkansas River, Arkansas and Indian Territory: Continuing improvement, one hundred thousand dollars: *Provided*, That the Secretary of War may, in his discretion, use so much of said sum as may be necessary to repair and protect existing dikes, and to remedy and guard against any injury to the harbors or river banks in their vicinity that may have been injured or endangered by reason of changes in the channel or encroachments of the river at or near Pine Bluff, Little Rock, Dardanelle, Van Buren, and Fort Smith, for the purpose of confining the river to the adopted channel, so as to give ease and safety to navigation: *Provided further*, That in the discretion of the Secretary of War the sum of fifty thousand dollars of said amount hereby appropriated may be used in removing snags, sand bars, and other obstructions to navigation in said river, and in repairing and operating snag boats. The President is authorized to appoint a board of three from the Corps of Engineers, whose duty it shall be to thoroughly examine the Arkansas River and report as soon as practicable to the

Arkansas River, Ark. and Ind. T.

Proviso.

Distribution.

Removing snags, etc.

Board to examine river.

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Secretary of War such plan for the permanent improvement of said river as in their opinion is most feasible and best adapted to the necessities of commerce, together with a statement as to the usefulness of such improvement to navigation and its relation and value to commerce. They shall also report the details of such plan, with estimates of the cost thereof. The cost of such examination and survey and the expenses of said board shall be paid out of the sum above appropriated.

Report on improvements.

St. Francis River, Ark.

Improvement of Saint Francis River, Arkansas: Continuing improvement, eight thousand dollars; of which sum one thousand dollars may, in the discretion of the Secretary of War, be expended in removing obstructions in the L'Anguille River, its tributary, from its mouth to the town of Marianna.

L'Anguille River.

Arkansas River.

Improving Arkansas River: Removing obstructions and operating snag boats, twenty thousand dollars.

Black River, Ark. and Mo.

Improving Black River, in Arkansas and Missouri: Continuing improvement, eight thousand dollars.

White River, Ark.

Improving White River, Arkansas: For completion, fourteen thousand eight hundred and fifteen dollars.

Cache River, Ark.

Improving Cache River, Arkansas: To be expended in removing obstructions, one thousand dollars.

Upper White River, Ark.

Improving Upper White River, Arkansas: For the construction of Lock and Dam Number One, on Upper White River, at or near Batesville, according to the project, plans, and specifications submitted in report printed in House Document Number Seventy-eight, Fifty-fourth Congress, second session, to complete said lock and dam, one hundred and sixty thousand dollars, and the Secretary of War may also enter into contract or contracts for the completion of Lock and Dam Numbered Two, according to same plan, at a cost not to exceed one hundred and fifty thousand dollars, to be paid for as appropriations may from time to time be made by law.

Contracts.

Current River, Ark. and Mo.

Improving Current River, in Arkansas and Missouri: Continuing improvement, and for maintenance, five thousand dollars.

Buffalo Fork of White River, Ark.

Improving Buffalo Fork of White River, Arkansas: For completion of improvement, according to project, plans, and specifications printed in the Annual Report of the Chief of Engineers for eighteen hundred and ninety-seven, pages nineteen hundred and ninety-four et sequentes, three thousand five hundred dollars.

Ouachita and Black rivers, Ark. and La.

Improving Ouachita and Black rivers, Arkansas and Louisiana: Continuing improvement, one hundred and ten thousand dollars, of which sum so much as may be necessary shall be used by the Secretary of War in his discretion for the completion of the survey of said Ouachita River, heretofore authorized, for the purpose of obtaining a plan of construction and estimates of the cost of the locks and dams necessary to give slack-water navigation.

Clinch River, Tenn.

Improving Clinch River, Tennessee: Completing improvement, eight thousand five hundred dollars.

Cumberland River, Tenn.

Improving Cumberland River above Nashville, Tennessee, one hundred thousand dollars, of which amount so much as may be available, besides the amount required for essential maintenance, may be applied toward the completion of unfinished locks and dams one, five, six, and seven, or either of them.

Harpeth Shoals.

Improving Cumberland River below Nashville, Tennessee, one hundred thousand dollars, of which amount so much as may be available, besides the amount required for essential maintenance, shall be applied in the construction of the lock and dam and other projected improvements at Harpeth Shoals.

French Broad and Little Pigeon rivers, Tenn.

Improving French Broad and Little Pigeon rivers, Tennessee: Continuing improvement, five thousand dollars.

Tennessee River.

Improving Tennessee River below Riverton, Alabama, one hundred thousand dollars; and so much thereof as may be necessary may be used for the construction and equipment of a dredge boat.

Improving Tennessee River between Chattanooga and Riverton, thirty-five thousand dollars, of which amount so much as may be

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necessary shall be applied in the survey of that portion between Bridgeport and Decatur and a resurvey of the remaining portions of said river between the points named, and in making the survey between Chattanooga and Shellmounds through that portion of the river commonly called the "Suck," an examination shall be made with a view to the construction of locks and dams suitable for convenient and safe navigation, also if on examination it shall be thought desirable, an estimate shall be made of the cost of constructing a canal across Moccasin Bend below Chattanooga: *Provided*, That so much as may be necessary may be used for a survey of the Clinch and French Broad rivers.

Proviso. Survey Clinch, etc., rivers.

Improving Tennessee River at Colbert Shoals and Bee Tree Shoals: Continuing improvement, one hundred thousand dollars.

Improving Tennessee River above Chattanooga: Continuing improvement, thirty thousand dollars.

Improving Obion River, Tennessee: For maintenance, two thousand five hundred dollars.

Obion River, Tenn.

Improving Forked Deer River, Tennessee: For maintenance, two thousand dollars.

Forked Deer River, Tenn.

Improving Elk River, Tennessee: Continuing improvement, four thousand dollars.

Elk River, Tenn.

Improving Big Sandy River, Kentucky and West Virginia: Continuing improvement, fifty-two thousand five hundred dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete two locks and dams in the Big Sandy River between Louisa and the mouth of the Big Sandy River, in accordance with the report of April twenty-seventh, eighteen hundred and ninety-eight, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate four hundred and twenty thousand dollars, exclusive of the amount herein and heretofore appropriated: *Provided further*, That of the amount authorized to be expended, one thousand dollars may be expended for maintenance on Leviza Fork, and one thousand five hundred dollars on Tug Fork, and twenty thousand dollars, or so much thereof as may be necessary, for a detailed survey of the Big Sandy River and Leviza and Tug forks of the same in Kentucky and West Virginia: *Provided*, That the rest of the amount may be used for the local survey, acquisition of sites, and commencement of construction of the above-named locks and dams.

Big Sandy River, Ky. and W. Va.
Provisos. Contracts.
Distribution.
—sites, etc.

Improving Green River, Kentucky, above the mouth of Big Barren River: Completing improvement, eighty-five thousand six hundred and seventy-three dollars and twenty cents.

Green River, Ky.

For survey of Licking River, Kentucky, from its mouth, opposite Cincinnati, Ohio, to Falmouth, Pendleton County, Kentucky, and for estimate of the cost of a lock and dam at or near Three Mile Riffle, about three miles from its mouth, ten thousand dollars.

Licking River, Ky.

Improving Ohio River from its head to its mouth: Continuing improvement, three hundred and seventy-five thousand dollars, of which amount the Secretary of War is hereby authorized to expend thirty-five thousand dollars, or so much thereof as may be necessary, upon a survey of said Ohio River from Marietta, Ohio, to the mouth of the Big Miami River, with a view to the improvement of said river between said points by movable dams and otherwise, so as to provide six feet of water in said river at low water, this survey to include a report upon the location of the necessary dams and the probable cost thereof: *Provided further*, That out of the three hundred and seventy-five thousand dollars herein appropriated there shall be expended the following sums, or so much thereof as may be necessary, to wit: Thirty-five thousand dollars for general snagging purposes; twenty thousand dollars for dredging the harbor at Madison, Indiana, to six feet depth at low water, of which so much as may be necessary may be spent upon a special survey to determine the total cost of extending such harbor up to the present low-water front of said city; ten thousand dollars for dredging the harbor at

Ohio River, from head to mouth.
Distribution.

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Golconda, Illinois; ten thousand dollars for dredging the harbor at Brooklyn, Illinois; twenty-five thousand dollars for dredging and dikes to deepen the river channel at Mound City, Illinois; fifteen thousand dollars upon the continuation of the repair of the embankment at Lawrenceburg, Indiana; twenty-five thousand dollars upon the continuation of the embankment at Shawneetown, Illinois; one thousand dollars for a survey of the river bank and adjoining ground at or near New Liberty, Illinois, so far as necessary to determine the cost of work necessary to prevent the Ohio River from cutting through its banks at this locality, the survey to include a report upon the same; one thousand dollars for a survey of the river bank at or near Paducah, Kentucky, so far as necessary to determine the cost of properly protecting the city front against injury by high water, the survey to include a report upon the same: *Provided further*, That out of the unexpended balance of the funds already appropriated by the river and harbor Act of eighteen hundred and ninety-six, for the harbor at Evansville, Indiana, the sum of twenty thousand dollars shall be spent for dredging along the city front of said city.

Evansville, Ind., dredging. Vol. 29, p. 225.

Ohio River. Dam No. 13.

Improving Ohio River: Continuing improvement at Dam Numbered Thirteen, fifty thousand dollars, to be used for the local survey, acquisition of site, and commencement of construction of said dam in accordance with the report of December twenty-eighth, eighteen hundred and ninety-eight: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete said improvement, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate eight hundred thousand dollars, exclusive of the amount herein appropriated.

Proviso. Contracts.

Dam No. 18.

Improving Ohio River: Continuing improvement at Dam Numbered Eighteen, fifty thousand dollars, to be used for the local survey, acquisition of site, and commencement of construction of said dam in accordance with the report of December twenty-eighth, eighteen hundred and ninety-eight: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete said improvement, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate eight hundred thousand dollars, exclusive of the amount herein appropriated.

Proviso. Contracts.

Belle River, Mich.

Improving Belle River, Michigan: Completing improvement, ten thousand dollars.

Hay Lake Channel, St. Marys River. *Provisos.* Contracts.

Improving Hay Lake Channel, Saint Marys River: Continuing improvement, one hundred thousand dollars: *Provided*, That for the purpose of more rapidly prosecuting the project of improvement as heretofore adopted and entered upon, in addition to expending the balance on hand, a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary for such purpose, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate three hundred and ninety-four thousand one hundred and fifteen dollars, exclusive of the amount herein and heretofore appropriated: *Provided further*, That the Secretary of War shall cause to be made and reported as early as practicable, a survey of the connecting waters between Lakes Superior and Huron, including Hay Lake Channel, with a plan and estimate of the cost of such improvement as will secure a safe and convenient channel twenty-one feet deep between said lakes, the expense of which shall be paid from the said appropriation for improving Hay Lake Channel.

Survey between Lakes Huron and Superior.

Saginaw River, Mich.

Improving Saginaw River, Michigan: Continuing improvement, forty thousand dollars.

Pine River, Mich.

Improving Pine River, Michigan: Completing improvement, five thousand five hundred and sixty dollars.

Black River, Mich.

Improving Black River, Michigan, at the mouth: Continuing improvement, four thousand dollars.

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Improving Detroit River, Michigan, removing shoals from Detroit to Lake Erie: Continuing improvement, one hundred thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete the same in accordance with the present project, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate six hundred and sixty-one thousand five hundred dollars, exclusive of the amount herein and heretofore appropriated: *Provided further*, That the Secretary of War shall cause to be made and reported as early as practicable a survey of the Detroit River from Detroit to Lake Erie, with a plan and estimate of the cost of such improvement as will secure a safe and convenient channel twenty-one feet deep between said points, the expense of which shall be paid from the said appropriation for improving Detroit River.

Detroit River, Mich.

Provisos. Contracts.

Survey from Detroit to Lake Erie.

Improving Black River at Port Huron, Michigan: Continuing improvement, four thousand dollars.

Black River, Mich.

Improving Kalamazoo River, Michigan: Continuing improvement, ten thousand dollars.

Kalamazoo River, Mich.

Improving Grand River, Michigan: Continuing improvement, seventy-five thousand dollars.

Grand River, Mich.

Improving Sebewaing River, Michigan: Completing improvement, thirty-two thousand dollars.

Sebewaing River, Mich.

Improving Rouge River, Michigan: Any amount heretofore appropriated for the construction of a turning basin at Rouge River, Michigan, which is now unexpended, or so much thereof as may be necessary, shall, in the discretion of the Secretary of War, be made available for improving the channel of said river.

Rouge River, Mich.

Improving Chippewa River, Wisconsin, including yellow banks: Continuing improvement, ten thousand dollars.

Chippewa River, Wis.

Improving Fox River, Wisconsin: Continuing improvement, twenty-seven thousand five hundred dollars, of which amount the sum of three thousand dollars, or so much thereof as may be necessary, shall be used to remove bars and snags from and to otherwise improve Wolf River below Shawano, Wisconsin; and two thousand dollars of said sum, or so much thereof as may be necessary, shall be used in the protection of and in further improving the harbor of refuge established and partially constructed on the east shore of Lake Winnebago, Wisconsin, under the provisions of the river and harbor Act, eighteen hundred and ninety six, and two thousand five hundred dollars of said sum, or so much thereof as may be necessary, shall be used in the construction of a retaining wall on the north side of the canal, at the city of Kaukauna, for the protection of said canal.

Fox River, Wis. *Distribution.*

Improving Saint Croix River, Wisconsin and Minnesota: Continuing improvement, nine thousand dollars.

St. Croix River, Wis. and Minn.

Improving Menominee River, Michigan and Wisconsin: According to the second, or dredging, plan, reported November thirtieth, eighteen hundred and ninety-six, eighteen thousand nine hundred and twenty dollars.

Menominee River, Mich. and Wis.

Improving Red River of the North, Minnesota, and its tributaries: Continuing improvement, twenty-five thousand dollars, of which sum ten thousand dollars, or so much thereof as may be necessary, shall be used in improving the navigation of the Red Lake River.

Red River of the North, Minn. Red Lake River.

Improving Minnesota River, Minnesota: Continuing improvement, one thousand dollars; said sum, or so much thereof as may be necessary, to be used in removing the bar at or near the mouth of said river.

Minnesota River, Minn.

For removing a sand bar at the mouth of Warroad River, Minnesota, three thousand dollars, or so much thereof as may be necessary.

For making a survey of Red Lake and Red Lake River, Minnesota, with a view to the construction of a dam with locks at the outlet of said lake, for the purpose of improving the navigation of the Red River of the North and said Red Lake River, Minnesota, and estimating the cost of said improvement, five thousand dollars.

Red Lake and Red Lake River, Minn.

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Otter Tail Lake and River, Minn.

For making a survey of Otter Tail Lake and Otter Tail River, Minnesota, with a view to the construction of a dam at the outlet of said lake, for the purpose of improving the navigation on the Red River of the North, Minnesota, and estimating the cost of said improvement, three thousand dollars.

Big Stone Lake and Lake Travers, Minn. and S. Dak.

For making a further survey of Big Stone Lake and Lake Traverse, Minnesota and South Dakota, with a view to construct reservoirs therein for the improvement of the navigation of the Minnesota River, and an estimate of the cost of such improvements, five thousand dollars.

Wabash River, Ind. and Ill.

Improving Wabash River, Indiana and Illinois, above Vincennes: Completing improvement, four thousand dollars.

Improving Wabash River, Indiana and Illinois, below Vincennes: Continuing improvement, fifteen thousand dollars.

Calumet River, Ill.

Improving Calumet River, Illinois: Continuing improvement, sixty thousand dollars: *Provided*, That the expenditure of said money shall be made upon said river from the mouth thereof to the forks in said river.

Proviso. Location of improvement.

Illinois River, Ill.

Improving Illinois River, Illinois: Continuing improvement, one hundred thousand dollars.

Illinois and Des Plaines rivers, Ill. Board to survey, etc.

Illinois River and Des Plaines River, Illinois: The Secretary of War is directed to appoint a board of three engineers, which board shall make a survey and estimates of cost for the improvement of the Upper Illinois River and Lower Des Plaines River, in Illinois, with a view to the extension of navigation from the Illinois River to Lake Michigan at or near Chicago; said board of engineers shall report the estimates of cost for a channel seven feet deep, and also for a channel eight feet deep, throughout said proposed route; said survey and estimates of cost shall be made in pursuance of and according to the recommendations in report of January twenty-seventh, eighteen hundred and ninety-seven, and there is hereby appropriated for the expenses of said board and such survey the sum of thirty thousand dollars, or so much thereof as may be necessary.

Mississippi River. Reservoirs at head waters. Renewal and repair, etc.

Reservoirs at the headwaters of the Mississippi River: Continuing improvement, two hundred and ten thousand dollars. The funds herein appropriated, and the unexpended balance of former appropriations for this work, shall be expended for the necessary renewal and repair of the reservoirs that have already been completed, and for the purchase of the lands, or easements therein, which are necessarily subject to overflow by reason of the legitimate operation of the said completed reservoirs: *Provided*, That so much of said funds as may be required may, in the discretion of the Secretary of War, be expended in making full and accurate surveys of the flowage lines of Winnibigoshish, Leech Lake, Pokegama Falls, and Pine River reservoirs, and in permanently marking such lines on the ground; also in making a survey and investigation to determine the causes of, and the means of preventing, the excessive floods on the river between the Government dam at Sandy Lake and Brainerd, Minnesota, and the effect thereof on the interests of navigation: *Provided further*, That of said funds a sum of not exceeding two thousand five hundred dollars may be used, and is hereby made available, for the payment of damages, if any, to lands and tenements caused by the failure of the natural embankment of the Pine River reser voiron June seventeenth, eighteen hundred and ninety-six.

Provisos. Surveys of flowage lines directed, Winnibigoshish, etc., reservoirs, etc.

Floods, Sandy Lake, etc.

Failure embankment, Pine River reservoir.

Work under Mississippi River Commission. New Orleans, La.

For work in accordance with the plans and specifications of the Mississippi River Commission:

At the harbor of New Orleans, Louisiana: Continuing improvement, one hundred and ten thousand dollars.

Natchez and Vidalia, Miss. and La.

At the harbor of Natchez and Vidalia, Mississippi and Louisiana, fifty thousand dollars.

Memphis, Tenn.

At the harbor of Memphis, Tennessee: The Mississippi River Commission is directed to examine the harbor at Memphis, Tennessee, and

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report what improvement, if any, should be made to remove the bar in front of the city of Memphis, together with the cost thereof.

For rectification of Red and Atchafalaya rivers, Louisiana: Continuing improvement, twenty-five thousand dollars. Red and Atchafalaya rivers, La.

Improving the Mississippi River, between the Chicago, Saint Paul, Minneapolis and Omaha Railroad Bridge at Saint Paul, and the Washington Avenue Bridge at Minneapolis: Continuing improvement, one hundred and fifty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secretary of War for such materials and work as may be necessary to complete said improvement, or said material may be purchased and the work done otherwise than by contract, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate eight hundred and fifteen thousand five hundred and seventy-nine dollars and thirty-three cents, exclusive of the amount herein and heretofore appropriated. Improvement between St. Paul and Minneapolis, etc. *Proviso.* Contracts.

For improving the Missouri River from its mouth to Sioux City, Iowa, according to plans and specifications of the Missouri River Commission, one hundred thousand dollars: *Provided*, That of this amount the following sums, or so much thereof as may be necessary, in the discretion of the Secretary of War, shall be expended for continuing improvements at the following places, namely: For work at the mouth of Kaw River, in Missouri, five thousand dollars; for work on the right bank above the mouth of Little Blue River, in Missouri, five thousand dollars; for work above Glasgow, Missouri, ten thousand dollars; for work near Huntsdale, Missouri, ten thousand dollars; for local works above Kansas City, Missouri, not yet completed, twenty thousand dollars; for repairs on works and contingencies, fifteen thousand dollars: *Provided, also*, That of the said amount of one hundred thousand dollars the sum of thirty-five thousand may be expended in operating snag-boats on the Missouri River between Sioux City and its mouth, in removing snags, wrecks, and other obstructions. Missouri River Commission. *Provisos.* Distribution. Snag boats, etc.

To repair the south bank of the Missouri River at the town of Judith, Montana, five thousand dollars. Judith, Mont.

To repair the levee at the town of Fort Benton, Montana, and confine the river within its present limits, five thousand dollars. Fort Benton, Mont.

Improving Gasconade River, Missouri: Continuing improvement, fifteen thousand dollars. Gasconade River, Mo.

Improving Osage River, Missouri, by the construction of a lock and dam in accordance with the plan and estimate submitted by the Missouri River Commission in their report of July twelfth, eighteen hundred and ninety-eight, and printed in Volume Six of the Report of the Chief of Engineers for the year eighteen hundred and ninety-eight, twenty-five thousand dollars: *Provided*, That the Secretary of War may enter into a contract or contracts for such work and materials as may be necessary for the completion of such lock and dam, or the materials may be purchased and the work done otherwise than by contract, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate one hundred and forty-six thousand dollars, exclusive of the amount herein and heretofore appropriated. Osage River, Mo. *Proviso.* Contracts.

Improving Missouri River: For the removal of obstructions in the Missouri River above Sioux City, Iowa, fifty thousand dollars. Improving Missouri River above Sioux City, Iowa.

Improving Missouri River: Continuing improvement, above Sioux City, to and including Bismark, one hundred and seventy thousand dollars, to be expended in the discretion of the Secretary of War.

For the improvement of the Missouri River on the Nebraska side opposite Sioux City, Iowa, and from the lower limits thereof to a point opposite Elkpoint in South Dakota, the sum of twenty-five thousand dollars, to be expended under the direction of the Secretary of War.

Improving Sacramento River, California, from the city of Sacramento to the mouth: Continuing improvement, thirty thousand dollars: *Provided*, That a contract or contracts may be entered into by the Secre- Sacramento River, Cal. *Provisos.* Contracts.

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tary of War for such materials and work as may be necessary to carry out the revised project printed in House Document Number One hundred and eighty-six, Fifty-fifth Congress, second session, and House Document Number Forty-eight, Fifty-fifth Congress, third session, to be paid for as appropriations may from time to time be made by law, not to exceed in the aggregate the sum of two hundred and fifty thousand dollars, exclusive of amount herein and heretofore appropriated. The Secretary of War is hereby authorized to accept from the State of California the use of any dredger, or appliances owned or controlled by said State, conformably to any offer thereof by the said State; and the Secretary of War is hereby authorized to use any such dredger or appliances in any river or harbor improvement that may be prosecuted therein by the United States, either on the part of the United States alone or conjointly with said State: *Provided*, That nothing shall be paid to the State of California for the use of said dredger, and that nothing herein contained shall create any liability against the United States.

Acceptance from California of dredger authorized.

Proviso. No payment.

That the provisions of an Act of Congress, entitled "An Act making appropriations for sundry civil expenses of the Government for the fiscal year ending June thirtieth, eighteen hundred and ninety-nine, and for other purposes," approved July first, eighteen hundred and ninety-eight, authorizing the Secretary of War, in expending certain specified appropriations in the preparation for and construction of certain works for the restraining or impounding of mining débris in the State of California, to enter into a contract or contracts wherein the contractor or contractors shall look solely to that State for one-half of such expense, and that the United States shall in no wise be liable for said one-half, are hereby extended to any appropriations, when made, that may hereafter be made for said purposes.

Restraining of mining débris, California. *Ante*, p. 631

Agreement that contractor shall look solely to State for half expenses to apply to future provisions.

That the Secretary of War, in carrying out the provisions of any Act of Congress providing for the restraining or impounding of mining débris in California, may, in his discretion, when in his judgment the aggregate of appropriations already made by said State and Congress and available therefor are sufficient to complete the same, undertake the works necessary thereto by hired labor and by purchase of supplies and materials therefor, and may accept payments on account thereof as the work progresses under and according to the provisions of the acts of the legislature of said State for such purposes.

Work done by hired labor where available funds sufficient, etc.

Improving San Joaquin River, California: Continuing improvement, twenty thousand dollars, to be expended in dredging, making cut-offs, or otherwise improving said river, and Stockton and Mormon Channels to the heads of navigation.

San Joaquin River, Cal.

Improving Petaluma Creek, California: Continuing improvement, four thousand dollars.

Petaluma Creek, Cal.

Improving Upper Columbia and Snake rivers, Oregon and Washington: Continuing improvement, seven thousand five hundred dollars.

Upper Columbia and Snake rivers, Oreg. and Wash.

Improvement of Coos River, Oregon: Completing improvement, three thousand dollars.

Coos River, Oreg.

Canal at Cascades, Columbia River, Oregon: Continuing improvement, seventy-five thousand dollars.

Columbia River, Oreg., canal at Cascades.

Improving Long Tom River, Oregon: The sum of three thousand dollars, or so much thereof as may be necessary to be expended in the discretion of the Secretary of War, is hereby transferred from the balance remaining to the credit of the appropriation made June fourth, eighteen hundred and ninety-seven, Sundry Civil Act, for the improvement of the Willamette River above Portland.

Long Tom River, Oreg. *Ante*, p. 47.

Transfer of appropriation for Willamette River, above Portland.

Improving Lower Willamette River in front of and below Portland, Oregon, and Columbia River below the Willamette River in Oregon and Washington: Continuing improvement, one hundred and fifty thousand dollars.

Lower Willamette River, Oreg., Columbia River, Oreg. and Wash.

Improving Coquille River, below Coquille City, Oregon: Continuing improvement, forty thousand dollars.

Coquille River, Oreg.

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Improving Clatskanie River, Oregon: To complete improvement recommended in report printed in House Document Number Two hundred and eighteen, Fifty-fifth Congress, second session, thirteen thousand dollars.

Clatskanie River, Oreg.

For gauging waters of the Columbia River, measuring tidal and river volumes, one thousand dollars.

Columbia River.

Improving Upper Coquille River, between Coquille City and Myrtle Point, Oregon: Continuing improvement, nine thousand dollars.

Upper Coquille River, Oreg.

Improving Columbia River below Tongue Point by way of the South Channel in front of Astoria, Oregon, in accordance with project submitted in the Annual Report of the Chief of Engineers for eighteen hundred and ninety-five: Completing improvement, seventy-one thousand dollars.

Columbia River below Tongue Point.

For improving Clearwater River, Idaho: Completing improvement, ten thousand dollars.

Clearwater River, Idaho.

Improving Cowlitz River, Washington: Continuing improvement, three thousand dollars.

Cowlitz River, Wash.

For the improvement of the Lewis River, Washington, from its mouth to Lacenter, according to the plan submitted by the Chief of Engineers in his annual report for the year eighteen hundred and ninety-seven, ten thousand dollars.

Lewis River, Wash

Improving Puget Sound and its tributary waters, Washington: Continuing improvement in accordance with approved projects, twenty thousand dollars.

Puget Sound, Wash.

Improving Chehalis River, Washington: For snagging, three thousand dollars.

Chehalis River, Wash.

For the improvement of the Pend Oreille River, Washington, from Albany Falls to the town of Metalline, Washington, in accordance with approved plans, ten thousand dollars.

Pend Oreille River, Wash.

Improving Swinomish Slough, Washington: Continuing improvement, twenty thousand dollars.

Swinomish Slough, Wash.

Improving Willapa River and Harbor, Washington: Continuing improvement in accordance with approved project, five thousand dollars: *Provided*, That in the discretion of the Secretary of War so much of this amount as may be necessary shall be expended for more thoroughly clearing a channel through the North River jam.

Willapa River, etc., Wash.

Proviso. Channel through North River jam.

Improving Okanagon River, Washington: Continuing improvement in accordance with project printed in the Annual Report of the Chief of Engineers for eighteen hundred and ninety-eight, fifteen thousand dollars.

Okanagon River, Wash.

The depth of water in tidal waters, whenever referred to in this Act, shall be understood to mean the depth at mean low water unless otherwise expressed.

Depth of water in tidal waters defined.

Appropriations made for the respective works herein named, or so much thereof as may be necessary, may, in the discretion of the Secretary of War, be used for the repair and restoration of said works whenever from any cause they have become seriously impaired, as well as for the further improvement of said works.

Appropriations available for repairs as well as improvement.

SEC. 2. For preliminary examinations, surveys (except where otherwise herein especially provided for), contingencies, expenses connected with inspection of bridges, the service of notice required in such cases, the examination of bridge sites and reports thereon, and for incidental repairs for which there is no special appropriation for rivers and harbors, two hundred thousand dollars: *Provided*, That no preliminary examinations, survey, project, or estimate for new works other than those designated in this or some prior Act or resolution shall be made: *And provided further*, That after the regular or formal report on any examination, survey, project, or work under way or proposed is submitted, no supplemental or additional report or estimate for the same fiscal year shall be made unless ordered by a concurrent resolution of Congress. The Government shall not be deemed to have entered upon any project for the improvement of any waterway or harbor mentioned in this Act

Preliminary examinations, surveys, etc.

Provisos. Restricted to designated works.

Reports, etc.

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until funds for the commencement of the proposed work shall have been actually appropriated by law.

Isthmus of Panama. Investigation of, for construction of canal.

SEC. 3. That the President of the United States of America be and he is hereby authorized and empowered to make full and complete investigation of the Isthmus of Panama with a view to the construction of a canal by the United States across the same to connect the Atlantic and Pacific oceans; That the President is authorized to make investigation of any and all practicable routes for a canal across said Isthmus of Panama, and particularly to investigate the two routes known respectively as the Nicaraguan route and the Panama route, with a view to determining the most practicable and feasible route for such canal together with the proximate and probable cost of constructing a canal at each of two or more of said routes: And the President is further authorized to investigate and ascertain what rights, privileges and franchises if any may be held and owned by any corporations, associations or individuals, and what work, if any, has been done by such corporations, associations or individuals in the construction of a canal at either or any of said routes, and particularly at the so-called Nicaraguan and Panama routes respectively; and likewise to ascertain the cost of purchasing all of the rights, privileges and franchises held and owned by any such corporations, associations and individuals in any and all of such routes, particularly the said Nicaraguan route and the said Panama route; and likewise to ascertain the probable or proximate cost of constructing a suitable harbor at each of the termini of said canal, with the probable annual cost of maintenance of said harbors respectively. And generally the President is authorized to make such full and complete investigation as to determine the most feasible and practicable route across said Isthmus for a canal, together with the cost of constructing the same and placing the same under the control, management and ownership of the United States.

Nicaraguan and Panama routes.

Existing franchises.

—cost of purchasing.

Cost of harbors at termini.

Engineers.

SEC. 4. To enable the President to make the investigations and ascertainments herein provided for, he is hereby authorized to employ in said service any of the engineers of the United States army at his discretion, and, likewise to employ any engineers in civil life, at his discretion, and any other persons necessary to make such investigation, and to fix the compensation of any and all of such engineers and other persons.

Appropriation for expenses.

SEC. 5. For the purpose of defraying the expenses necessary to be incurred in making the investigations herein provided for, there is hereby appropriated out of any money in the Treasury not otherwise appropriated, the sum of one million dollars, or so much thereof as may be necessary, to be disbursed by order of the President.

Report.

SEC. 6. That the President is hereby requested to report to Congress the results of such investigations, together with his recommendations in the premises.

Report of Chief of Engineers to show deterioration in works, etc.

SEC. 7. That the Secretary of War shall cause the Chief of Engineers of the United States Army, in submitting his annual reports to Congress with regard to works of river and harbor improvement under his charge, to state what deterioration, if any, has taken place by destruction, decay, obstructions, or otherwise, in connection with any of such works, together with an estimate of the cost of rebuilding, or repairing such works, or removing such obstructions; and he shall also cause the said Chief of Engineers to recommend, with his reasons therefor, the discontinuance of appropriations for any river and harbor work which he may deem unworthy of further improvement.

Report of Government piers, etc., occupied by private corporations.

SEC. 8. That the Secretary of War is directed to cause to be prepared and reported to Congress a list of all piers, wharves, and other structures or property pertaining to river and harbor works belonging to the Government of the United States now occupied by private corporations or persons, together with the terms upon which such piers, wharves, or other property are occupied, and the date of the agreement or permission granting the privilege to occupy the same, and shall

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make such recommendations as he may deem desirable in connection therewith.

Congress to authorize construction of bridges over navigable waters.—approval of plans.

SEC. 9. That it shall not be lawful to construct or commence the construction of any bridge, dam, dike, or causeway over or in any port, roadstead, haven, harbor, canal, navigable river, or other navigable water of the United States until the consent of Congress to the building of such structures shall have been obtained and until the plans for the same shall have been submitted to and approved by the Chief of Engineers and by the Secretary of War: *Provided*, That such structures may be built under authority of the legislature of a State across rivers and other waterways the navigable portions of which lie wholly within the limits of a single State, provided the location and plans thereof are submitted to and approved by the Chief of Engineers and by the Secretary of War before construction is commenced: *And provided further*, That when plans for any bridge or other structure have been approved by the Chief of Engineers and by the Secretary of War, it shall not be lawful to deviate from such plans either before or after completion of the structure unless the modification of said plans has previously been submitted to and received the approval of the Chief of Engineers and of the Secretary of War.

Provisos.
Legislatures to authorize on waters wholly within State.

Deviation from plans.

No obstruction to navigation not authorized.
Works outside harbor lines forbidden.

SEC. 10. That the creation of any obstruction not affirmatively authorized by Congress, to the navigable capacity of any of the waters of the United States is hereby prohibited; and it shall not be lawful to build or commence the building of any wharf, pier, dolphin, boom, weir, breakwater, bulkhead, jetty, or other structures in any port, roadstead, haven, harbor, canal, navigable river, or other water of the United States, outside established harbor lines, or where no harbor lines have been established, except on plans recommended by the Chief of Engineers and authorized by the Secretary of War; and it shall not be lawful to excavate or fill, or in any manner to alter or modify the course, location, condition, or capacity of, any port, roadstead, haven, harbor, canal, lake, harbor of refuge, or inclosure within the limits of any breakwater, or of the channel of any navigable water of the United States, unless the work has been recommended by the Chief of Engineers and authorized by the Secretary of War prior to beginning the same.

Excavations, alterations, etc., in channels only where authorized.

Establishment of harbor lines.

SEC. 11. That where it is made manifest to the Secretary of War that the establishment of harbor lines is essential to the preservation and protection of harbors he may, and is hereby, authorized to cause such lines to be established, beyond which no piers, wharves, bulkheads, or other works shall be extended or deposits made, except under such regulations as may be prescribed from time to time by him: *Provided*, That whenever the Secretary of War grants to any person or persons permission to extend piers, wharves, bulkheads, or other works, or to make deposits in any tidal harbor or river of the United States beyond any harbor lines established under authority of the United States, he shall cause to be ascertained the amount of tide water displaced by any such structure or by any such deposits, and he shall, if he deem it necessary, require the parties to whom the permission is given to make compensation for such displacement either by excavating in some part of the harbor, including tide-water channels between high and low water mark, to such an extent as to create a basin for as much tide water as may be displaced by such structure or by such deposits, or in any other mode that may be satisfactory to him.

Proviso.
Compensation for tide water displaced.

Penalties; removal of structures.

SEC. 12. That every person and every corporation that shall violate any of the provisions of sections nine, ten, and eleven of this Act, or any rule or regulation made by the Secretary of War in pursuance of the provisions of the said section fourteen, shall be deemed guilty of a misdemeanor, and on conviction thereof shall be punished by a fine not exceeding twenty-five hundred dollars nor less than five hundred dollars, or by imprisonment (in the case of a natural person) not exceeding one year, or by both such punishments, in the discretion of the court.

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And further, the removal of any structures or parts of structures erected in violation of the provisions of the said sections may be enforced by the injunction of any circuit court exercising jurisdiction in any district in which such structures may exist, and proper proceedings to this end may be instituted under the direction of the Attorney-General of the United States.

Depositing refuse in navigable waters forbidden.

SEC. 13. That it shall not be lawful to throw, discharge, or deposit, or cause, suffer, or procure to be thrown, discharged, or deposited either from or out of any ship, barge, or other floating craft of any kind, or from the shore, wharf, manufacturing establishment, or mill of any kind, any refuse matter of any kind or description whatever other than that flowing from streets and sewers and passing therefrom in a liquid state, into any navigable water of the United States, or into any tributary of any navigable water from which the same shall float or be washed into such navigable water; and it shall not be lawful to deposit, or cause, suffer, or procure to be deposited material of any kind in any place on the bank of any navigable water, or on the bank of any tributary of any navigable water, where the same shall be liable to be washed into such navigable water, either by ordinary or high tides, or by storms or floods, or otherwise, whereby navigation shall or may be impeded or obstructed: *Provided*, That nothing herein contained shall extend to, apply to, or prohibit the operations in connection with the improvement of navigable waters or construction of public works, considered necessary and proper by the United States officers supervising such improvement or public work: *And provided further*, That the Secretary of War, whenever in the judgment of the Chief of Engineers anchorage and navigation will not be injured thereby, may permit the deposit of any material above mentioned in navigable waters, within limits to be defined and under conditions to be prescribed by him, provided application is made to him prior to depositing such material; and whenever any permit is so granted the conditions thereof shall be strictly complied with, and any violation thereof shall be unlawful.

Provisos.
—not applicable to public works.

—permits for depositing in defined limits.

Using, etc., wharves, levees, etc., forbidden.

SEC. 14. That it shall not be lawful for any person or persons to take possession of or make use of for any purpose, or build upon, alter, deface, destroy, move, injure, obstruct by fastening vessels thereto or otherwise, or in any manner whatever impair the usefulness of any sea wall, bulkhead, jetty, dike, levee, wharf, pier, or other work built by the United States, or any piece of plant, floating or otherwise, used in the construction of such work under the control of the United States, in whole or in part, for the preservation and improvement of any of its navigable waters or to prevent floods, or as boundary marks, tide gauges, surveying stations, buoys, or other established marks, nor remove for ballast or other purposes any stone or other material composing such works: *Provided*, That the Secretary of War may, on the recommendation of the Chief of Engineers, grant permission for the temporary occupation or use of any of the aforementioned public works when in his judgment such occupation or use will not be injurious to the public interest.

Proviso.
—permits for temporary use.

Obstructions by anchoring vessels.

SEC. 15. That it shall not be lawful to tie up or anchor vessels or other craft in navigable channels in such a manner as to prevent or obstruct the passage of other vessels or craft; or to voluntarily or carelessly sink, or permit or cause to be sunk, vessels or other craft in navigable channels; or to float loose timber and logs, or to float what is known as sack rafts of timber and logs in streams or channels actually navigated by steamboats in such manner as to obstruct, impede, or endanger navigation. And whenever a vessel, raft, or other craft is wrecked and sunk in a navigable channel, accidentally or otherwise, it shall be the duty of the owner of such sunken craft to immediately mark it with a buoy or beacon during the day and a lighted lantern at night, and to maintain such marks until the sunken craft is removed or abandoned, and the neglect or failure of the said owner so to do shall be unlawful; and it shall be the duty of the owner of such sunken craft to commence the immediate removal of the same, and prosecute such removal diligently, and failure to do so shall be considered as an

—sunken vessels, timber, etc.

—duties of owner of sunken vessel.

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abandonment of such craft, and subject the same to removal by the United States as hereinafter provided for.

Penalties.

SEC. 16. That every person and every corporation that shall violate, or that shall knowingly aid, abet, authorize, or instigate a violation of the provisions of sections thirteen, fourteen, and fifteen of this Act shall be guilty of a misdemeanor, and on conviction thereof shall be punished by a fine not exceeding twenty-five hundred dollars nor less than five hundred dollars, or by imprisonment (in the case of a natural person) for not less than thirty days nor more than one year, or by both such fine and imprisonment, in the discretion of the court, one-half of said fine to be paid to the person or persons giving information which shall lead to conviction. And any and every master, pilot, and engineer, or person or persons acting in such capacity, respectively, on board of any boat or vessel who shall knowingly engage in towing any scow, boat, or vessel loaded with any material specified in section thirteen of this Act to any point or place of deposit or discharge in any harbor or navigable water, elsewhere than within the limits defined and permitted by the Secretary of War, or who shall willfully injure or destroy any work of the United States contemplated in section fourteen of this Act, or who shall willfully obstruct the channel of any waterway in the manner contemplated in section fifteen of this Act, shall be deemed guilty of a violation of this Act, and shall upon conviction be punished as hereinbefore provided in this section, and shall also have his license revoked or suspended for a term to be fixed by the judge before whom tried and convicted. And any boat, vessel, scow, raft, or other craft used or employed in violating any of the provisions of sections thirteen, fourteen, and fifteen of this Act shall be liable for the pecuniary penalties specified in this section, and in addition thereto for the amount of the damages done by said boat, vessel, scow, raft, or other craft, which latter sum shall be placed to the credit of the appropriation for the improvement of the harbor or waterway in which the damage occurred, and said boat, vessel, scow, raft, or other craft may be proceeded against summarily by way of libel in any district court of the United States having jurisdiction thereof.

Legal proceedings, by whom conducted, etc.

SEC. 17. That the Department of Justice shall conduct the legal proceedings necessary to enforce the foregoing provisions of sections nine to sixteen, inclusive, of this Act; and it shall be the duty of district attorneys of the United States to vigorously prosecute all offenders against the same whenever requested to do so by the Secretary of War or by any of the officials hereinafter designated, and it shall furthermore be the duty of said district attorneys to report to the Attorney-General of the United States the action taken by him against offenders so reported, and a transcript of such reports shall be transmitted to the Secretary of War by the Attorney-General; and for the better enforcement of the said provisions and to facilitate the detection and bringing to punishment of such offenders, the officers and agents of the United States in charge of river and harbor improvements, and the assistant engineers and inspectors employed under them by authority of the Secretary of War, and the United States collectors of customs and other revenue officers, shall have power and authority to swear out process and to arrest and take into custody, with or without process, any person or persons who may commit any of the acts or offenses prohibited by the aforesaid sections of this Act, or who may violate any of the provisions of the same: *Provided*, That no person shall be arrested without process for any offense not committed in the presence of some one of the aforesaid officials: *And provided further*, That whenever any arrest is made under the provisions of this Act, the person so arrested shall be brought forthwith before a commissioner, judge, or court of the United States for examination of the offenses alleged against him; and such commissioner, judge, or court shall proceed in respect thereto as authorized by law in case of crimes against the United States.

Power to arrest granted certain officials.

Provisos.
—offense to be committed in presence of.
—examination of prisoner.

Obstruction to navigation by bridges.

SEC. 18. That whenever the Secretary of War shall have good reason to believe that any railroad or other bridge now constructed, or which

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may hereafter be constructed, over any of the navigable waterways of the United States is an unreasonable obstruction to the free navigation of such waters on account of insufficient height, width of span, or otherwise, or where there is difficulty in passing the draw opening or the draw span of such bridge by rafts, steamboats, or other water craft, it shall be the duty of the said Secretary, first giving the parties reasonable opportunity to be heard, to give notice to the persons or corporations owning or controlling such bridge so to alter the same as to render navigation through or under it reasonably free, easy, and unobstructed; and in giving such notice he shall specify the changes recommended by the Chief of Engineers that are required to be made, and shall prescribe in each case a reasonable time in which to make them. If at the end of such time the alteration has not been made, the Secretary of War shall forthwith notify the United States district attorney for the district in which such bridge is situated, to the end that the criminal proceedings hereinafter mentioned may be taken. If the persons, corporation, or association owning or controlling any railroad or other bridge shall, after receiving notice to that effect, as hereinbefore required, from the Secretary of War, and within the time prescribed by him willfully fail or refuse to remove the same or to comply with the lawful order of the Secretary of War in the premises, such persons, corporation, or association shall be deemed guilty of a misdemeanor, and on conviction thereof shall be punished by a fine not exceeding five thousand dollars, and every month such persons, corporation, or association shall remain in default in respect to the removal or alteration of such bridge shall be deemed a new offense, and subject the persons, corporation, or association so offending to the penalties above prescribed: *Provided*, That in any case arising under the provisions of this section an appeal or writ of error may be taken from the district courts or from the existing circuit courts direct to the Supreme Court either by the United States or by the defendants.

—notice to alter.

—penalty.

Proviso.
—appeal.

Removal of obstructions to navigation.

SEC. 19. That whenever the navigation of any river, lake, harbor, sound, bay, canal, or other navigable waters of the United States shall be obstructed or endangered by any sunken vessel, boat, water craft, raft, or other similar obstruction, and such obstruction has existed for a longer period than thirty days, or whenever the abandonment of such obstruction can be legally established in a less space of time, the sunken vessel, boat, water craft, raft, or other obstruction shall be subject to be broken up, removed, sold, or otherwise disposed of by the Secretary of War at his discretion, without liability for any damage to the owners of the same: *Provided*, That in his discretion, the Secretary of War may cause reasonable notice of such obstruction of not less than thirty days, unless the legal abandonment of the obstruction can be established in a less time, to be given by publication, addressed "To whom it may concern," in a newspaper published nearest to the locality of the obstruction, requiring the removal thereof: *And provided also*, That the Secretary of War may, in his discretion, at or after the time of giving such notice, cause sealed proposals to be solicited by public advertisement, giving reasonable notice of not less than ten days, for the removal of such obstruction as soon as possible after the expiration of the above specified thirty days' notice, in case it has not in the meantime been so removed, these proposals and contracts, at his discretion, to be conditioned that such vessel, boat, water craft, raft, or other obstruction, and all cargo and property contained therein, shall become the property of the contractor, and the contract shall be awarded to the bidder making the proposition most advantageous to the United States: *Provided*, That such bidder shall give satisfactory security to execute the work: *Provided further*, That any money received from the sale of any such wreck, or from any contractor for the removal of wrecks, under this paragraph shall be covered into the Treasury of the United States.

Provisos.
—notice.

—proposals to remove.

—bond of bidder.

Disposition of funds from sale of wrecks.

Vessels grounding, etc.
—destruction, etc., of.

SEC. 20. That under emergency, in the case of any vessel, boat, water craft, or raft, or other similar obstruction, sinking or grounding, or being unnecessarily delayed in any Government canal or lock, or in

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any navigable waters mentioned in section nineteen, in such manner as to stop, seriously interfere with, or specially endanger navigation, in the opinion of the Secretary of War, or any agent of the United States to whom the Secretary may delegate proper authority, the Secretary of War or any such agent shall have the right to take immediate possession of such boat, vessel, or other water craft, or raft, so far as to remove or to destroy it and to clear immediately the canal, lock, or navigable waters aforesaid of the obstruction thereby caused, using his best judgment to prevent any unnecessary injury; and no one shall interfere with or prevent such removal or destruction: *Provided*, That the officer or agent charged with the removal or destruction of an obstruction under this section may in his discretion give notice in writing to the owners of any such obstruction requiring them to remove it: *And provided further*, That the expense of removing any such obstruction as aforesaid shall be a charge against such craft and cargo; and if the owners thereof fail or refuse to reimburse the United States for such expense within thirty days after notification, then the officer or agent aforesaid may sell the craft or cargo, or any part thereof that may not have been destroyed in removal, and the proceeds of such sale shall be covered into the Treasury of the United States.

Provisos.
—notice.
—expense of removal.
—reimbursement.

Such sum of money as may be necessary to execute this section and the preceding section of this Act is hereby appropriated out of any money in the Treasury not otherwise appropriated, to be paid out on the requisition of the Secretary of War.

Appropriation.

That all laws or parts of laws inconsistent with the foregoing sections ten to twenty, inclusive, of this Act are hereby repealed: *Provided*, That no action begun, or right of action accrued, prior to the passage of this Act shall be affected by this repeal.

Repeal.
Proviso.
—prior actions excepted.

SEC. 21. Whenever in this Act the amount provided for the completion of any project under continuing contract is less than the cost as estimated by the engineers, proposals for bids shall be invited without further action by Congress.

Appropriation for completion of project less than estimated cost; bids.

SEC. 22. That the Secretary of War is hereby directed to cause preliminary examinations or surveys to be made at the localities named in this section as hereinafter provided. In all cases a preliminary examination shall first be made, which shall embrace information concerning the commercial importance, present and prospective, of the river or harbor mentioned, and a report as to the advisability of its improvement. Whenever such preliminary examination has been made, in case such improvement is not deemed advisable, no further action shall be taken thereon without the direction of Congress; but in case the report has been or shall be to the effect that such river or harbor is worthy of improvement, the Secretary of War is hereby directed, at his discretion, to cause surveys to be made and the cost of improving such river or harbor to be estimated and to be reported to Congress, to wit:

Preliminary examinations and surveys directed.
Scope of preliminary examination, etc.

CALIFORNIA.

California.

Inner Harbor, San Pedro.
Napa River.
Sonoma Creek.
Suisun Creek.
Crescent Bay.
Channel between the straits of Carquinez and the Golden Gate, off Point Pinole, Point Wilson, and Lone Tree Point, with a view to obtaining a channel three hundred feet in width, of a depth of thirty feet.
Harbor of South San Francisco, San Mateo County.

CONNECTICUT.

Connecticut.

Milford Harbor.

DELAWARE.

Delaware.

Saint Jones River, Delaware, from its mouth to the highest point of feasible navigation.

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Florida.

FLORIDA.

East Pass, at the entrance of Carrabelle Harbor, Florida, with a view to obtaining a channel depth of twenty-two feet at mean low water.

Ocklockonnee River.

Bay at Hudson, Pasco County.

Inside passage through Sarasota Bay to Lemon Bay.

Boca Grande and Charlotte Harbor, with a view to obtaining a depth of twenty-four feet of water over the bar at the entrance of the harbor and eighteen feet thence up to Punta Gorda.

Kissimmee River and connecting lakes and canals flowing into Lake Okechobee, thence down the Caloosahatchee River to the Gulf of Mexico, with a view to improving the navigation of the channels therein.

Punta Rassa: Inside passage to Charlotte Harbor.

Orange River: To its confluence with Caloosahatchee and thence to Gulf of Mexico.

Crystal River: From the town of Crystal River to its entrance in the Gulf of Mexico.

Georgia.

GEORGIA.

Brunswick, Georgia: Inner harbor, with a view of determining what improvement thereof is desirable in the interest of commerce and the cost thereof.

Illinois.

ILLINOIS.

Survey of Ohio River from Mound City, Illinois, to Cairo, Illinois: With a view to ascertain what improvement, if any, is desirable with a view to the protection of the banks and levees on the Illinois side.

Survey with a view to ascertain what, if anything, should be done to stop the caving of the banks of the Ohio River, at or near New Liberty, in Pope County, Illinois, and to prevent said river from cutting into a slough and chain of lakes at said point, together with the cost thereof.

Waukegan Harbor, with a view to obtaining a channel three hundred feet wide and twenty feet deep.

Survey and estimate of cost for the improvement of the channel and to prevent the cutting and caving of the bank of the Mississippi River on the Illinois side thereof, at or near Wagners Landing, in Jackson County, below Rockwood, Illinois.

Improving Chicago River, in Illinois: Survey and estimate of cost for a channel twenty-one feet deep from its mouth to the stock yards on the South Branch, and to Belmont avenue, on the North Branch, so far as may be permitted by existing docks and wharves, exclusive of cost of removing or constructing bridges or piers or lowering tunnels; and the aforesaid depth of twenty-one feet is hereby adopted as the project depth for the improvement in lieu of that fixed by the Act of June third, eighteen hundred and ninety-six: *Provided*, That all the work of removing and reconstructing bridges and piers and lowering tunnels necessary to permit a practicable channel with said depth to be obtained shall be done, or caused to be done, by the city of Chicago without expense to the United States.

Survey of the Mississippi River at or near Beach Ridge, Illinois: With a view to ascertain whether there is danger of said river breaking through into Cache River, and whether it is desirable to make further specific appropriations to protect the bank of the Mississippi River at said place; and, if so, the cost thereof.

Survey of the Mississippi River between Station Eighteen hundred and forty, as established by Government survey reported in Executive House Document Number One hundred and eleven, third session Fifty-third Congress, and the railroad embankment at the railroad bridge crossing in front of Quincy, Illinois, with a view to preventing the filling up of Quincy Bay by sediment carried by the river in times of high water.

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IOWA. Iowa.

Bellevue, Iowa: Survey with a view to ascertain whether it is desirable to construct a dam across what is known as Crooked Slough, opposite Bellevue, Iowa, on the Illinois shore of the Mississippi River, at a point in section nine, township twenty-six north, of range one east, and where the wagon road leading from Galena and Hanover, Illinois, to Bellevue, Iowa, intersects and crosses said slough.

KENTUCKY. Kentucky.

Green River, Kentucky: From Mammoth Cave, Kentucky, to Greensburg, Kentucky.

LOUISIANA. Louisiana.

Survey of Atchafalaya Bay from the mouth of Atchafalaya River to deep water in the Gulf of Mexico, twelve feet deep at mean low water and two hundred feet wide, with an estimate of the cost of said improvement.

MAINE. Maine.

Boothbay Harbor.
Camden Harbor.
Penobscot River, at and near Bucksport Narrows.
Parkers Head Harbor and Channel, Kennebec River.
Bucksport Harbor.
Kennebec River between Gardiner Bridge and Augusta Dam, with a view to securing a channel equal in capacity to that below said bridge.
Kenduskeag River at its mouth, with a view to securing a channel two feet deep at extreme low tide for the entire width of the river.

MARYLAND. Maryland.

Claibourne Harbor.
Queenstown Harbor.
Patuxent River, at Bristol Bar.
Brettons Bay, on the Potomac River.
Elk River.
Tyaskin Creek.
Rockhall Harbor, with a view to obtaining a channel through Swan Point Bar one hundred and fifty feet wide and twelve feet deep and a channel in the inner harbor of the same width and depth; also for a channel one hundred and ninety feet wide and twelve feet deep across the bar.

MASSACHUSETTS. Massachusetts.

New Bedford Harbor: To remove the bar between the present channel and the northerly terminus of the proposed channel on the northerly side of the New Bedford and Fairhaven Bridge, and also of removing the bar in the channel of New Bedford Harbor about eight hundred feet southerly from Fish Island.
Vineyard Haven: With a view to its further protection and improvement as a harbor of refuge by a breakwater or otherwise.
Sandy Bay: Resurvey and estimate of cost at breakwater.
Winthrop Harbor: To provide channels of a width of seventy-five and one hundred feet, respectively, and a depth of twelve feet and fifteen feet, respectively.
Channel of Assonet River.
Piers and breakwater at Rockport.
Beverly Harbor.
Cottage City.
Westport Point Harbor.
Sandwich Harbor.

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Bass River Harbor
Cohasset Harbor, with a view to deepening the same and its channel.
Cotuit Harbor.
Harbor at Hyannis.

Michigan.

MICHIGAN.

Arcadia: To obtain a channel one hundred and fifty feet wide and fourteen feet deep.

Muskegon River, from the head of Muskegon Lake to Newaygo: To obtain a depth of five feet of water.

Channel from Lake Michigan to Stoney Lake, Oceana County.

Cheboygan Harbor: To obtain a depth of eighteen feet from the entrance of said harbor to the first bridge.

Mackinac Harbor: For the protection of the harbor by breakwaters.

Copper Harbor: To obtain a depth of eighteen feet.

Minnesota.

MINNESOTA.

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Lake Superior and Mississippi River: The report upon the examination and survey for the location of a canal connecting Lake Superior and the Mississippi River, provided for by the River and Harbor Act of eighteen hundred and ninety-four, shall be supplemented by a further report as to whether such canal is feasible and an improvement which should be undertaken by the Government, and, if feasible, the probable cost of construction, operation, and maintenance of the same.

Saint Croix River, from Stillwater Harbor to Taylors Falls, Minnesota, with a view to making said river accessible to steamboats and other craft navigating said river.

Minnesota River: With a view of protecting the banks thereof at and near Saint Peter, in Nicollet County.

Two Islands or Saxton, Minnesota, situate about midway between Two Harbors and Grand Marais, Minnesota: With a view of making a harbor of refuge at that point.

Red River of the North, Minnesota and North Dakota: With a view of ascertaining what improvements, if any, should be made to govern and repress the floods of the river, and to prevent the undue erosion of the banks.

Missouri.

MISSOURI.

Current River: With a view to the improvement of said river, between the junction of Crooked Creek and Current Creek with the Current River, in the northwest corner of Shannon County and the southern line of Carter County, in the State of Missouri.

Saint Francois River: With a view to the improvement of said river, from Greenville to the mouth of Mingo.

Missouri River: With a view to prevent the erosion of the north bank thereof at and near Huntsdale, in Boone County, Missouri, with a view to prevent the erosion of the south bank thereof and the cutting of a new channel at and near the city of Napoleon, in Lafayette County, Missouri.

New Hampshire.

NEW HAMPSHIRE.

Pull-and-be-damned Point, Portsmouth Harbor: With a view to its removal, so far as the same is an obstruction to navigation.

Isles of Shoals: With a view to building a breakwater from Smutty Nose Island to Cedar Island.

New Jersey.

NEW JERSEY.

Raccoon Creek.
Woodbridge Creek.
Maurice River, Oldmans Creek.
Arthur Kill or Staten Island Sound from Kill von Kull to Raritan

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Bay, with a view to obtaining of a twenty-one foot channel, by way of Staten Island Sound from New York Bay to Raritan Bay.

Passaic River: With the view of ascertaining the cost and feasibility of extending a ten-foot channel of suitable width from Center-street bridge to the Montclair Railway Bridge, and also as to the feasibility and cost of affording a channel twelve feet in depth from Center-street bridge to Staten Island Sound. Also an examination of said river from Montclair Railway Bridge to the city of Paterson.

Tuckerton Creek.

NEW YORK. New York.

Saugerties Harbor: With a view of extending the improvement from the westerly end of the south dike westerly to the "Point of Rocks;" also with a view to removing the loose rock from the channel, and continuing the depth of twelve feet, at low water, toward the head of the harbor.

Dunkirk: Survey for easterly breakwater.

Bay Shore, Long Island: With a view to constructing a breakwater.

Patchogue River.

Three Mile Harbor, Long Island.

Sag Harbor.

Tonawanda Harbor, Erie County, and Tonawanda Creek from Niagara River to the State dam.

Patchogue River: With a view to deepening the channel from Fire Island Inlet to Patchogue to a depth of eight feet, with a channel eighty feet in width.

Diamond Reef and Coenties Reef in East River, with a view to their removal.

New Rochelle Harbor.

West Chester Creek.

Tarrytown H arbor.

Port Chester Harbor.

OREGON. Oregon.

Snake River: That portion of the Snake River extending from the town of Asotin, iu the State of Washington, to Pittsburg Landing, in the State of Oregon.

Lower Willamette and Columbia rivers below Portland, Oregon: Survey and estimate of the cost of obtaining a channel depth of twenty-five feet at low water from Portland to the mouth of the Columbia River.

The canal and locks situated on the west side of the Willamette River, at Willamette Falls, in Clackamas County: With a view to ascertaining the desirability of their condemnation and purchase by the United States.

Mouth of Columbia River, Oregon and Washington: Survey and estimate with a view to obtaining a channel of forty feet depth at lowest low water, and a report as to the desirability of such improvement.

PENNSYLVANIA. Pennsylvania.

Youghiogheny River: With a view to the improvement of said river by locks and dams from West Newton to the mouth of said river at McKeesport, Pennsylvania.

RHODE ISLAND. Rhode Island.

Pawtucket River.

Providence harbor and river: As to the advisability of dredging that portion of the flats therein between Wilkesbarre Pier, Kettle Point, and the present ship-channel, to a depth of twenty-five feet at mean low water, to provide increased anchorage grounds, and a project for such improvement, with the probable cost thereof

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South Carolina

SOUTH CAROLINA.

Sampit River: From its mouth at the twenty-foot depth at low water in Winyah Bay to its head of navigation, with the view of dredging shoals and removing other obstructions.

Wee Tee Lake, Williamsburg County: From its junction with the Santee River to a point called the Bluff, with a view to make it navigable for steamboats.

Lynch's River: From the railroad bridge at Effingham to its mouth at junction of Great Pee Dee River, with a view to procuring a depth of three feet at mean low water.

The waterways and low-lying marsh lands or rice lands between the North and South Santee rivers, with a view to extending the Estherville Minim Creek Canal in a southerly direction to Alligator River.

The waterways between Charleston Harbor and Alligator Creek, with a view to ascertaining the present cost of the improvement thereof.

Tennessee.

TENNESSEE.

Little Tennessee River: For its survey from its mouth to the slate quarries on Abram's Creek.

Holston River: For its survey from its mouth to Kingsport.

Richland River: From its mouth to Dayton.

Powell's River: For its survey from its mouth to Kyle's Ford.

Hiawassee River: For its survey from its mouth to the mouth of the Ocoee River.

Texas.

TEXAS.

Harbor at Alligator Head, in Matagorda Bay, and the harbor at Brazos Santiago, off Point Isabel, Texas, with plans and estimates for the removal of the bars at said harbors to furnish an inlet to each of said harbors to permit ocean-going vessels to enter said harbors with necessary depths of channel.

Clear Creek.

Dickinson Bayou.

Highland Bayou.

Turtle Bayou.

Oyster Creek.

Chocolate Bayou.

Bostrop Bayou.

East Bay Bayou.

Colorado River.

San Bernard River.

Caney Creek.

For a canal ten feet deep and one hundred feet wide around the raft in the Colorado River, in Matagorda County.

Red River, from the mouth of the Kiamitia River to the mouth of Blue River.

Virginia.

VIRGINIA.

Channel at Middle Ground Bar, in the harbor of Hampton Roads, with a view to determining what amount of dredging is necessary over said bar to secure a channel five hundred feet wide and thirty feet deep at mean low tide.

To dredge channel leading to Tangier Island, in Tangier Sound, and ascertain most feasible channel for improvement.

To remove bar at the mouth of Jackson's Creek, in Middlesex County.

James River: With a view of ascertaining what expenditure will be necessary to continue improvement to the head of navigation at the Docks.

To improve mouth or entrance to Carters Creek, Lancaster County.

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WASHINGTON. Washington.

Neah Bay: With a view to its improvement as a harbor of refuge.

WEST VIRGINIA. West Virginia.

Elk River from its mouth to Sutton.
Guyandotte River from its mouth to a point fifty miles above.

WISCONSIN. Wisconsin.

East shore of Lake Pepin, in the Mississippi River, near the village of Pepin, with a view to the construction of a pier, or a harbor of refuge.

Harbor at Port Washington: With a view of obtaining a channel fifteen feet in depth, and of extending piers three hundred feet and of protecting the same by breakwater, or otherwise.

Harbor at Kewaunee: With a view of making a harbor of refuge with a depth of not less than twenty feet.

Menominee River, Michigan and Wisconsin: From the line of the second, or dredging, project, reported under date of November thirtieth, eighteen hundred and ninety-six, by Captain George A. Zinn, up the river to the west line of Wells street, with a view to obtain a channel eighteen feet in depth.

Harbor at Green Bay: With a view to obtain a channel twenty feet in depth from the mouth of Fox River up to the city of Green Bay.

Harbor at Manitowoc: With a view to protecting the harbor from the injurious effect of northeast seas, by extending the breakwater in said harbor in an easterly direction and on a line with the north pier, four hundred feet, or otherwise.

Harbor at Two Rivers: With a view to secure better means of access to said harbor, and to secure a sufficient depth of water therein, by extending the piers four hundred feet, or otherwise.

Harbor at Port Wing.

Harbor at Kenosha: With a view of enlarging the basin.

Harbor at Oconto: With a view of securing better access thereto and a sufficient depth of water therein, by extending the piers three hundred feet, or otherwise.

Approved, March 3, 1899.

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