

Statement showing rank and duties of officers of Corps of Engineers—Con'd.

| RANK AND NAME. | DUTIES. |
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| SECOND LIEUTENANTS. (continued.) | |
| Willard Young | On duty under immediate orders of Captain <i>Wheeler</i> . |
| William M. Black | On duty with Company C, Battalion of Engineers. Commanding Company C. Member of general court-martial to meet at Willets Point, New York Harbor, December 3, 1878. Member of general court-martial to meet at Willets Point, New York Harbor, March 6, 1879. |
| Walter L. Fisk | On duty with Company B, Battalion of Engineers. Member of general court-martial to meet at Willets Point, New York Harbor, December 3, 1878. Member of general court-martial to meet at Willets Point, New York Harbor, June 27, 1879. |
| Solomon W. Roessler..... | On duty with Company A, Battalion of Engineers. Commanding Company A. Member of general court-martial to meet at Willets Point, New York Harbor, March 6, 1879. |
| George McC. Derby..... | Appointed July 30, 1878, Second Lieutenant Corps of Engineers to date from June 14, 1878. On duty with Company B, Battalion of Engineers. Judge-Advocate of general court-martial to meet at Willets Point, New York Harbor, December 3, 1878. Judge-Advocate of general court-martial to meet at Willets Point, New York Harbor, June 27, 1879. |
| James L. Lusk | Appointed July 30, 1878, Second Lieutenant Corps of Engineers to date from June 14, 1878. On special duty at West Point, N. Y. On duty with Company C, Battalion of Engineers. Commanding Company C. Judge-Advocate of general-court-martial to meet at Willets Point New York Harbor, March 6, 1879. |
| U. S. CIVIL ENGINEERS. | |
| Clarence King | In charge of Geological Exploration of Fortieth Parallel until January 30, 1879. |
| S. T. Abert | In charge of improvement of Occoquan, Rappahannock, Black Water, Hampton, and Chickahominy rivers, Va.; Roanoke, Perquimans, Pamlico, and French Broad rivers N. C.; of Accotink, Aquia, and Nomini creeks, Va.; of the harbors of Washington and Georgetown, D. C., and harbor of Breton Bay, at Leonardtown, Md. Survey of the Yadin, N. C., Dan and Staunton rivers, Va. Improvement of channel in Potomac River through flats in front of landing at Mount Vernon, and of rivers Staunton, Va., and Yadin, N. C., and Urbana Creek, Va. |
| M. Meigs | On duty under immediate orders of Major <i>Farquhar</i> and Captain <i>Mackenzie</i> . |

L A W S

AFFECTING THE

CORPS OF ENGINEERS.

FORTY-FIFTH CONGRESS, THIRD SESSION, AND FORTY-SIXTH
CONGRESS, FIRST SESSION.

1878-'79.

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THE CORPS OF ENGINEERS.

FORTY-FIFTH CONGRESS, THIRD SESSION, AND FORTY-SIXTH CONGRESS, FIRST SESSION, 1878-'79.

FORTY-FIFTH CONGRESS.

CHAP. 123.—An act to authorize the Secretary of War to convey to Jacob A. T. Wendell, Henry Van Allen, and John R. Bailey, a part of the military reservation of Fort Mackinac. March 1, 1879.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the Secretary of War be, and he is hereby, authorized and directed to convey, by proper deed, to Jacob A. T. Wendell, Henry Van Allen, and John R. Bailey, all the right, title, and interest of the United States in and to the following described part of the military reservation of Fort Mackinac, Michigan, of which the said Jacob A. T. Wendell shall be entitled to one-fourth, Henry Van Allen two-fourths, and John R. Bailey one-fourth: Beginning at a stone monument marking a corner of the military reservation, and standing between the said military reservation and property of Jacob A. T. Wendell, and running in continuation of a line now between said properties north one degree east fifty-eight feet six inches; thence east two hundred and forty-one and five-tenths feet; thence south one degree west parallel with the first line, fifty-eight feet six inches, to a stone monument marking a corner of the military reservation, and standing between the said military reservation and property of John R. Bailey; thence west parallel with the second line along a line of the official survey made by Major G. Weitzel, United States Army, in eighteen hundred and seventy-five, two hundred and forty-one and five-tenths feet, to the stone monument at the place of beginning.

Approved, March 1, 1879.

CHAP. 181.—An act making appropriations for the construction, repair, preservation, and completion of certain works on rivers and harbors, and for other purposes. March 3, 1879.

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

- For improving Penobscot River, Maine, six thousand dollars. Penobscot River.
- For improving harbor at Belfast, Maine, five thousand dollars. Belfast Harbor.
- For improving Richmond Island Harbor, Maine, three thousand dollars. Richmond Island Harbor.
- For improving Kennebunk River, Maine, two thousand dollars. Kennebunk River.
- For improving Merrimac River, Massachusetts, five thousand dollars. Merrimac River.

Plymouth Harbor. For repair of harbor at Plymouth, Massachusetts, three thousand five hundred dollars.

Provincetown Harbor. For the maintenance and annual repairs of the harbor at Provincetown, Massachusetts, one thousand dollars.

Hyannis Harbor. For improving the harbor of Hyannis, Massachusetts, two thousand five hundred dollars; of which sum five hundred dollars, or so much thereof as may be necessary, shall be expended in the removal of the wreck at that point.

Taunton River. For improving Taunton River, Massachusetts, one thousand dollars.

Providence River and Narragansett Bay. For improving Providence River and Narragansett Bay, Rhode Island, sixty thousand dollars.

Little Narragansett Bay. For improving Little Narragansett Bay, Rhode Island and Connecticut, five thousand dollars.

Connecticut River. For improving Connecticut River below Hartford, Connecticut, including dredging between Hartford and Middletown, ten thousand dollars.

Stonington Harbor. For improving harbor at Stonington, Connecticut, thirty-seven thousand five hundred dollars.

Thames River. For improving Thames River, Connecticut, to secure a fourteen-foot channel, twelve thousand dollars.

Bridgeport Harbor. For improving harbor at Bridgeport, Connecticut, ten thousand dollars.

Norwalk Harbor. For improving harbor at Norwalk, Connecticut, ten thousand dollars; of which sum not exceeding one thousand five hundred dollars shall be expended on the bar below the bridge.

Port Jefferson Harbor. For improving harbor at Port Jefferson, Long Island Sound, New York, five thousand dollars.

New Haven Harbor. For improving harbor at New Haven, Connecticut, fifteen thousand dollars.

Hudson River. For improving Hudson River, New York, thirty thousand dollars.

East River and Hell Gate. For removing obstructions in East River and Hell Gate, New York, two hundred and fifty thousand dollars.

Echo Harbor. For improving Echo Harbor, New Rochelle, New York, three thousand dollars.

Plattsburg Harbor. For improving harbor at Plattsburg, New York, dredging, two thousand dollars.

Raritan River. For improving Raritan River, New Jersey, sixty thousand dollars.

Superior Bay. For improving Superior Bay, Wisconsin, five thousand dollars.

Duluth Harbor. For improving Duluth Harbor, Minnesota, twenty-five thousand dollars.

Passaic River. For improving Passaic River, New Jersey, two thousand dollars.

East Chester Creek. For improving East Chester Creek, New York, three thousand five hundred dollars.

Burlington Harbor, Vt. For improving harbor at Burlington, Vermont, fifteen thousand dollars.

Swanton Harbor. For improving harbor at Swanton, Vermont, six thousand dollars.

Otter Creek. For improving Otter Creek, Vermont, five thousand dollars.

Lewes pier. For constructing pier in Delaware Bay, near Lewes, Delaware, ten thousand five hundred dollars.

Newcastle ice-harbor. For piers of ice-harbor at New Castle, Delaware, five thousand five hundred dollars.

Wilmington Harbor, Del. For improving harbor at Wilmington, Delaware, three thousand five hundred dollars.

Schuylkill River. For improving Schuylkill River, Pennsylvania, twenty-five thousand dollars.

Delaware River. For improving Delaware River below Bridesburg, Pennsylvania, forty-five thousand dollars.

Delaware River. For improving Delaware River between Trenton and White Hill, New Jersey, six thousand dollars.

Allegheny River. For the improvement of the navigation of the Allegheny River from the mouth of French Creek to Pittsburgh, Pennsylvania, ten thousand dollars.

Cohansey Creek. For improving Cohansey Creek, New Jersey, four thousand five hundred dollars.

Baltimore Harbor. For improving harbor at Baltimore, Maryland, one hundred and sixty thousand dollars.

Wicomico River. For improving Wicomico River, Maryland, three thousand dollars.

For improving James River, Virginia, seventy-five thousand dollars. James River.

For improving Appomattox River, Virginia, twenty thousand dollars. Appomattox River.

For improving Great Kanawha River, West Virginia, one hundred and fifty thousand dollars. Great Kanawha River.

For improving Cape Fear River, North Carolina, one hundred thousand dollars. Cape Fear River.

For improving Breton Bay, Leonardtown, Maryland, four thousand dollars. Breton Bay.

For improving mouth of Nomoni Creek, Virginia, two thousand five hundred dollars. Nomoni Creek.

For improving Rappahannock River, Virginia, ten thousand dollars. Rappahannock River.

For improving harbor at Norfolk, Virginia, and its approaches, seventy-five thousand dollars. Norfolk Harbor.

For improving the harbors and channels at Washington and Georgetown, District of Columbia, fifty thousand dollars; of which sum twenty thousand dollars shall be expended in dredging the channel of the Potomac River between the Long Bridge and the United States Arsenal, and thirty thousand dollars shall be expended in Georgetown harbor and channel; and the whole of said sum of fifty thousand dollars is hereby directed to be so expended as to produce the greatest immediate benefit to navigation and commerce. Washington Harbor.

For improving Blackwater River, Virginia, two thousand five hundred dollars. Blackwater River.

For improving Neuse River, North Carolina, forty-five thousand dollars. Neuse River.

For improving Hampton River, Virginia, two thousand dollars. Hampton River.

For improving Chickahominy River, Virginia, one thousand dollars. Chickahominy River.

For improving French Broad River, North Carolina, five thousand dollars. French Broad River.

For improving Pamlico River, North Carolina, three thousand dollars. Pamlico River.

For improving harbor at Edenton, North Carolina, one thousand dollars. Edenton Harbor.

For improving harbor at Charleston, South Carolina, two hundred thousand dollars. Charleston Harbor, S. C.

For improving harbor at Savannah, Georgia, one hundred thousand dollars. Savannah Harbor.

For improving inside passage between Fernandina and Saint John's, Florida, seven thousand dollars. Fernandina and Saint John's Passage.

For improving harbor at Cedar Keys, Florida, including removal of wrecks, fifteen thousand dollars. Cedar Keys Harbor.

For improving Choctawhatchee River, Florida and Alabama, five thousand dollars. Choctawhatchee River.

For improving Alabama River, Alabama, thirty thousand dollars. Alabama River.

For improving Chattahoochie River, Georgia, fifteen thousand dollars. Chattahoochie River.

For improving Flint River, Georgia, seven thousand dollars. Flint River.

For improving Saint Augustin's Creek, Georgia, five thousand dollars. Saint Augustin's Creek.

For improving Warrior and Tombigbee Rivers, Alabama and Mississippi, thirty thousand dollars; of which sum ten thousand dollars shall be expended on the Tombigbee above Columbus, and twenty thousand dollars on the Warrior and Tombigbee below Columbus. Warrior and Tombigbee Rivers.

For improving the Apalachicola River, Florida, including the slough connecting the Apalachicola with the Chippola River, five thousand dollars. Apalachicola River, etc.

For improving New River from Lead Mines in Wythe County, Virginia, to mouth of Greenbrier, twelve thousand dollars. New River.

For improving Pensacola Harbor, Florida, ten thousand dollars. Pensacola Harbor.

For improving harbor at New Orleans, Louisiana, sixty thousand dollars. New Orleans Harbor.

For deepening channel of Sabine Pass and at Blue Buck Bar, Texas, twenty-five thousand dollars. Sabine Pass.

For improving entrance to Galveston Harbor, Texas, one hundred thousand dollars. Galveston Harbor.

- Sabine River. For improving Narrows of Sabine River above Orange, Texas, and to deepen the channel at the mouth of the Sabine River, six thousand dollars.
- Trinity River. For improving mouth of Trinity River, Texas, two thousand five hundred dollars.
- Neches River. For improving mouth of Neches River, Texas, five thousand dollars.
- Passo Cavallo Inlet. For improving Passo Cavallo Inlet into Matagorda Bay, Texas, twenty-five thousand dollars.
- Examination and surveys of South Pass. For examinations and surveys of South Pass of the Mississippi River: To ascertain the depth of water and width of channel secured and maintained from time to time by James B. Eads at the South Pass of the Mississippi River, and to enable the Secretary of War to report during the construction of the work the payments made from time to time, and the probable times of other payments, and to report during the construction of the work all important facts relating to the progress of the same, materials used, and the character and permanency with which the said jetties and auxiliary works are being constructed, as required by act approved March third, eighteen hundred and seventy-five, and act approved June nineteenth, eighteen hundred and seventy-eight, which impose on the engineer officer the duty of certifying to the correctness of expenditures for labor, material, and so forth, amounting to five hundred thousand dollars, to be paid Mr. Eads in monthly installments, twenty-four thousand dollars.
- 1875, ch. 134, 18 Stat., 463.
1878, ch. 313.
- Red River Raft. For removing raft in Red River and closing Tones Bayou, Louisiana, fifteen thousand dollars.
- Red River. For removing obstructions from Red River, Louisiana, twenty-two thousand five hundred dollars.
- Cypress Bayou. For improving Cypress Bayou, Texas and Louisiana, six thousand dollars.
- Red River. For improving mouth of Red River, Louisiana, forty thousand dollars.
- Mississippi River. For improving harbor and the Mississippi River at Memphis, Tennessee, thirty-seven thousand dollars.
- Mississippi River. For improving Mississippi River at and near Vicksburg, and protection of harbor at Vicksburg, Mississippi, fifty thousand dollars.
- Ouachita River. For improving Ouachita River, Arkansas and Louisiana, ten thousand dollars.
- Yazoo River. For improving Yazoo River, Mississippi, fifteen thousand dollars.
- Mississippi River. For annual expense of gauging the waters of the Mississippi River and its tributaries: Continuing observation of the rise and fall of the river and its chief tributaries, as required by joint resolution of February twenty-first, eighteen hundred and seventy-one, five thousand dollars.
- 1871, res. 40, 16 Stat., 598.
- Mississippi, Missouri, and Arkansas Rivers. For improving Mississippi, Missouri, and Arkansas Rivers: Removing snags, sand-bars, wrecks, and other obstructions, and correcting and deepening the channel, one hundred and ninety thousand dollars; of which sum one hundred thousand dollars shall be expended on the Mississippi River, sixty thousand dollars shall be expended on the Missouri River, and thirty thousand dollars shall be expended on the Arkansas River.
- Mississippi River. For improving Mississippi River from Saint Paul to Des Moines Rapids, one hundred thousand dollars: *Provided*, That not exceeding twenty thousand dollars thereof may be used by the Secretary of War in his discretion in making a practical test of the flume invented by Adams flume.
- Adams flume. *Provided*, That whenever, in the prosecution or maintenance of the work of improving Tennessee River between Decatur and Florence, in the State of Alabama, it may be necessary, in the judgment of the Secretary of War, to take possession of any lands for canals or cut-offs, and a reasonable price for the same can be agreed upon between the owner of said lands and the officer in charge of said work on the part of the United States, the Secretary of War may authorize the purchase of said lands: *Provided*, That in case the owners of said lands shall refuse to sell the same at a reasonable price, then the price to be paid shall be determined, and the title and jurisdiction procured, in the manner prescribed by the laws of the State of Alabama: *And provided*, That in either case the entire cost of such lands to the United States shall not exceed ten thousand dollars.
- Missouri River. For survey of Missouri River from its mouth to Fort Benton, Montana, thirty thousand dollars.
- Missouri River. For improving Missouri River at or near Fort Leavenworth, ten thousand dollars.
- Arkansas River. For improvement of Arkansas River, between Fort Smith, Arkansas, and Wichita, Kansas, twenty thousand dollars.
- Missouri River. For improving Missouri River at Sioux City, Iowa, ten thousand dollars; which sum shall be available on the passage of this act.
- Missouri River. For improving Missouri River at Atchison, Kansas, twenty thousand dollars.
- Missouri River. For improving Missouri River opposite Saint Joseph, nine thousand dollars.

- For improving Missouri River at Eastport, Iowa, and at Nebraska City, Nebraska, thirty thousand dollars.
- Missouri River.
- For improving Missouri River at Council Bluffs, Iowa, and at Omaha, Nebraska, fifty thousand dollars.
- Missouri River.
- For improving Missouri River above mouth of the Yellowstone River, forty-five thousand dollars.
- Missouri River.
- For improving the Mississippi River between the mouths of the Illinois and Ohio Rivers, two hundred thousand dollars; of which sum, fifteen thousand dollars shall be expended between the mouths of the Illinois and Missouri Rivers, thirty thousand dollars between the foot of Dickey's Island and the mouth of the Ohio River, and eight thousand dollars between Islands Numbers Fourteen and Fifteen, near the town of Kaskaskia, Illinois.
- Mississippi River.
- For improving Upper Mississippi River: Operating snagboat, twenty thousand dollars.
- Upper Mississippi River.
- For improving Mississippi River from Des Moines Rapids to mouth of the Illinois River, forty thousand dollars.
- Mississippi River.
- For improving White River, Arkansas, ten thousand dollars.
- White River.
- For improving Rush Chute and the harbor of Burlington, Iowa, five thousand dollars.
- Rush Chute.
- For improving harbor at Fort Madison, Iowa, three thousand six hundred dollars.
- Fort Madison Harbor.
- For removing bar in the Mississippi River opposite Dubuque, Iowa, four thousand dollars.
- Mississippi River.
- For improving Des Moines Rapids, twenty-five thousand dollars.
- Des Moines Rapids.
- For operating the canal at Des Moines Rapids, forty thousand dollars.
- Canal at Des Moines Rapids.
- For improving Rock Island Rapids, Mississippi River, six thousand dollars.
- Rock Island Rapids.
- For improving Galena River and harbor, Illinois, twelve thousand dollars.
- Galena River.
- For improving Saint Croix River below Taylor's Falls, eight thousand dollars.
- Saint Croix River.
- For improving Red River of the North, Minnesota and Dakota, exclusively for dredging, twenty-five thousand dollars.
- Red River of the North.
- For improving Illinois River, forty thousand dollars.
- Illinois River.
- For improving Cumberland River below Nashville, Tennessee, forty thousand dollars.
- Cumberland River.
- For improving Fourche Le Fevre River, Arkansas, ten thousand dollars.
- Fourche Le Fevre River.
- For improving Cumberland River above Nashville, Tennessee, thirty-nine thousand dollars; of which sum eighteen thousand dollars shall be expended from Nashville to the Kentucky line, six thousand dollars from the Kentucky line to Smith's Shoals, and fifteen thousand dollars at Smith's Shoals.
- Cumberland River.
- For improving Tennessee River above Chattanooga, eleven thousand five hundred dollars.
- Tennessee River.
- For improving Tennessee River below Chattanooga, including Muscle Shoals, and Duck River Shoal, and the Shoal at Reynoldsburg, two hundred and ten thousand dollars: *Provided*, That whenever, in the prosecution or maintenance of the work of improving Tennessee River between Decatur and Florence, in the State of Alabama, it may be necessary, in the judgment of the Secretary of War, to take possession of any lands for canals or cut-offs, and a reasonable price for the same can be agreed upon between the owner of said lands and the officer in charge of said work on the part of the United States, the Secretary of War may authorize the purchase of said lands: *Provided*, That in case the owners of said lands shall refuse to sell the same at a reasonable price, then the price to be paid shall be determined, and the title and jurisdiction procured, in the manner prescribed by the laws of the State of Alabama: *And provided*, That in either case the entire cost of such lands to the United States shall not exceed ten thousand dollars.
- Tennessee River.
- Provided*.
- Lands for cut-offs.*
- Provided.*
- Condemnation.*
- Provided.*
- Total cost.*
- Buffalo Bayou Ship Channel.
- In consideration of the proposition of the Buffalo Bayou Ship Channel Company to turn over their work at Morgan's Point, and to surrender their charter granted by the legislature of Texas, and the rights accruing thereunder, to the United States, which proposition is now on file in the War Department, and is hereby accepted, the government hereby adopts the line surveyed from the cut in Red Fish Bar to the cut in Morgan's Point, and the sum of eighty thousand dollars is hereby appro-

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| <i>Proviso.</i> | apropriated for the improvement of that line: <i>Provided</i> , That no part of said sum shall be expended until said Buffalo Bayou Ship Channel Company shall file with the Secretary of War in manner and form to be by him approved, their acceptance of this provision of this act. |
| Coosa River. | For improving Coosa River, Georgia and Alabama, forty-five thousand dollars. |
| Hiawasse River. | For improving Hiawasse River, Tennessee, three thousand dollars. |
| Oostenaula and Coosawattee Rivers. | For improving Oostenaula and Coosawattee Rivers, Georgia, three thousand dollars. |
| Ocmulgee River. | For improving Ocmulgee River, Georgia, seven thousand dollars. |
| Oconee River. | For improving Oconee River, Georgia, one thousand five hundred dollars. |
| Muskingum River ice-harbor. | For an ice harbor at the mouth of the Muskingum River, Ohio, thirty thousand dollars. |
| Ohio River. | For improving the Ohio River, two hundred and fifty thousand dollars; of which sum fifty thousand dollars, or so much thereof as may be necessary, shall be expended in the removal of obstructions at Grand Chain, and not exceeding one hundred thousand dollars on the Davis Island Dam. |
| Little Kanawha River. | For improving Little Kanawha River, West Virginia, dredging, removing obstructions, and for wing-dams, if required, eighteen thousand dollars. |
| Guyandotte River. | For improving Guyandotte River, West Virginia, one thousand dollars. |
| Ontonagon Harbor. | For improving harbor at Ontonagon, Michigan, seventeen thousand dollars; of which sum fifteen thousand dollars shall be expended in the construction of piers, and two thousand dollars in dredging. |
| Big Sandy River. | For improving Big Sandy River from Catlettsburg, Kentucky, to Head of Navigation, twelve thousand dollars. |
| Wabash River. | For improving Wabash River, Indiana, twenty thousand dollars. |
| Eagle Harbor. | For improving Eagle Harbor, Michigan, two thousand dollars. |
| Marquette Harbor. | For improving harbor at Marquette, Michigan, for repairs, one thousand five hundred dollars. |
| Menomonee Harbor. | For improving harbor at Menomonee, Wisconsin, ten thousand dollars. |
| Green Bay Harbor. | For improving harbor at Green Bay, Wisconsin, four thousand dollars. |
| Sturgeon Bay harbor of refuge. | For harbor of refuge at entrance of Sturgeon Bay Canal, Wisconsin, thirty thousand dollars. |
| Ahnapee Harbor. | For improving harbor at Ahnapee, Wisconsin, seven thousand dollars. |
| Two Rivers Harbor. | For improving harbor at Two Rivers, Wisconsin, twenty thousand dollars. |
| Manitowoc Harbor. | For improving harbor at Manitowoc, Wisconsin, six thousand five hundred dollars. |
| Sheboygan Harbor. | For improving harbor at Sheboygan, Wisconsin, repairs and dredging, three thousand dollars. |
| Port Washington Harbor. | For improving harbor at Port Washington, Wisconsin, seven thousand five hundred dollars. |
| Milwaukee Harbor. | For improving harbor at Milwaukee, Wisconsin, seven thousand five hundred dollars. |
| Racine Harbor. | For improving harbor at Racine, Wisconsin, six thousand dollars. |
| Kenosha Harbor. | For improving harbor at Kenosha, Wisconsin, five thousand dollars. |
| Fox and Wisconsin Rivers. | For improving Fox and Wisconsin River, Wisconsin, one hundred and fifty thousand dollars. |
| Chicago Harbor. | For improving harbor at Chicago, Illinois, seventy-five thousand dollars. |
| Calumet Harbor. | For improving harbor at Calumet, Illinois, twelve thousand dollars. |
| Michigan City Harbor. | For improving harbor at Michigan City, Indiana, forty thousand dollars. |
| Charlevoix Harbor. | For improving harbor at Charlevoix, Michigan, nine thousand dollars. |
| Frankfort Harbor. | For improving harbor at Frankfort, Michigan, four thousand dollars. |
| Manistee Harbor. | For improving harbor at Manistee, Michigan, ten thousand dollars. |

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| For improving harbor at Ludington, Michigan, five thousand dollars. | Ludington Harbor. |
| For improving harbor at Pentwater, Michigan, six thousand dollars. | Pentwater Harbor. |
| For improving harbor at White River, Michigan, seven thousand five hundred dollars. | White River Harbor. |
| For improving Saint Mary's River and Saint Mary's Falls Canal three hundred thousand dollars; of which sum two hundred thousand dollars shall be expended on the canal, and one hundred thousand dollars shall be expended on the survey and improvement of the river towards obtaining a depth in present channel of sixteen feet. | Saint Mary's River and Canal. |
| For improving harbor at Grand Haven, Michigan, nine thousand dollars. | Grand Haven Harbor. |
| For improving harbor at Black Lake, Michigan, six thousand dollars. | Black Lake Harbor. |
| For improving harbor at Saugatuck, Michigan, five thousand dollars. | Saugatuck Harbor. |
| For improving harbor at South Haven, Michigan, seven thousand five hundred dollars. | South Haven Harbor. |
| For improving river and harbor at Saint Joseph, Michigan, six thousand dollars. | Saint Joseph River and Harbor. |
| For harbor of refuge, at Lake Huron, Michigan, seventy-five thousand dollars. | Lake Huron harbor of refuge. |
| For improving Detroit River, Michigan, fifty thousand dollars. | Detroit River. |
| For improving Saint Clair Flats, Michigan, repairs of canal, three thousand dollars. | Saint Clair Flats. |
| For improving harbor at Muskegon, Michigan, five thousand dollars. | Muskegon Harbor. |
| For improving Saginaw River, Michigan, eight thousand dollars. | Saginaw River. |
| For improving harbor at Cheboygan, Michigan, three thousand dollars. | Cheboygan Harbor. |
| For improving harbor at Monroe, Michigan, two thousand dollars. | Monroe Harbor. |
| For improving harbor and river at Au Sable, Michigan, seven thousand dollars. | Au Sable Harbor and River. |
| For improving harbor at Toledo, Ohio, twenty thousand dollars. | Toledo Harbor. |
| For improving harbor at Port Clinton, Ohio, ten thousand dollars. | Port Clinton Harbor. |
| For improving and surveying harbor at Sandusky City, Ohio, one thousand dollars. | Sandusky City Harbor. |
| For improving harbor at Cleveland, Ohio, one hundred thousand dollars. | Cleveland Harbor. |
| For improving harbor at Ashtabula, Ohio, nine thousand dollars. | Ashtabula Harbor. |
| For improving harbor at Erie, Pennsylvania, twenty-five thousand dollars. | Erie Harbor. |
| For improving harbor at Buffalo, New York, one hundred thousand dollars. | Buffalo Harbor. |
| For improving harbor at Oak Orchard, New York, one thousand dollars. | Oak Orchard Harbor. |
| For improving harbor at Charlotte, New York, repair of piers, one thousand dollars. | Charlotte Harbor. |
| For improving harbor at Pultneyville, New York, four thousand dollars. | Pultneyville Harbor. |
| For improving harbor at Great Sodus Bay, New York, two thousand dollars. | Great Sodus Bay Harbor. |
| For improving Oakland Harbor, California, sixty thousand dollars; but this sum shall not be available until the right of the United States to the bed of the estuary and training-walls of this work is secured, free of expense, to the government, in a manner satisfactory to the Secretary of War; and if said right shall not have been so secured by September first, eighteen hundred and seventy-nine, said sum shall be returned into the Treasury. | Oakland Harbor. <i>Conditions.</i> |
| For improving harbor at Little Sodus Bay, New York, five thousand dollars. | Little Sodus Bay Harbor. |
| For improving harbor at Oswego, New York, ninety thousand dollars. | Oswego Harbor. |
| For improving harbor at Wilmington, California, twelve thousand dollars. | Wilmington Harbor, Cal. |
| For improving Sacramento River, California, twenty thousand dollars. | Sacramento River. |

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| Lower Willamette and Columbia Rivers. | For improving Lower Willamette and Columbia Rivers, from Portland, Oregon, to the sea, forty-five thousand dollars. |
| Upper Willamette River. | For improving Upper Willamette River, twelve thousand dollars. |
| Upper Columbia and Snake Rivers. | For improving Upper Columbia River, including Snake River, twenty thousand dollars. |
| Columbia Cascades Canal. | For constructing canal around the Cascades of Columbia River, one hundred thousand dollars. |
| Columbia River bar. | For continuing the survey and observation of currents at the bar of the mouth of the Columbia River, five thousand dollars. |
| River-bank at Fort Brown. | For protection of river-bank at Fort Brown, Texas, seven thousand dollars. |
| Reservoirs at sources of Mississippi and other rivers. | For examinations and surveys for reservoir at sources of the Mississippi, Saint Croix, Chippewa, and Wisconsin Rivers: Completing survey, twenty-five thousand dollars. |
| Coos Bay and harbor. | For improving the entrance to Coos Bay and harbor of, Oregon, forty thousand dollars. |
| Lower Clearwater River. | For improving Lower Clearwater River, Idaho, five thousand dollars. |
| Elk River. 1878, ch. 264. | For improving Elk River, West Virginia, the sum of five thousand dollars, appropriated by the act of June eighteenth, eighteen hundred and seventy-eight, is directed to be expended in the removal of obstructions to open navigation from Braxton Court House to the mouth of Big Sandy: <i>Provided, however,</i> That not exceeding five hundred dollars thereof may be expended for the improvement of steamboat navigation at Jarrett's Ford, but in no way to obstruct navigation by boats and rafts. |
| <i>Proviso.</i> | |
| Scuppernong River. | For improving Scuppernong River, North Carolina, two thousand dollars. |
| Mispillian Creek. | For improving Mispillian Creek, Delaware, three thousand dollars. |
| Delaware River. | For improving Delaware River at or near Cherry Island Flats, one hundred thousand dollars. |
| Kentucky River. | For improving the Kentucky River from the mouth to Three Forks, according to estimate and report of Major William E. Merrill, January fourteenth, eighteen hundred and seventy-nine, one hundred thousand dollars. |
| Woodbridge Creek. | For improving Woodbridge Creek, New Jersey, four thousand dollars. |
| Elizabeth River. | For improving Elizabeth River, New Jersey, to secure a seven-foot channel, seven thousand five hundred dollars. |
| Rahway River. | For improving Rahway River, New Jersey, deepening channel, and removing obstructions, ten thousand dollars. |
| Flushing Bay. | For improving Flushing Bay, New York, twenty thousand dollars. |
| Yellowstone River. | For improving Yellowstone River, twenty-five thousand dollars. |
| Mobile Harbor. | For improving Mobile Harbor, to secure a seventeen-foot channel, one hundred thousand dollars. |
| San Diego Harbor. | For improving and repairing San Diego Harbor, California, one thousand dollars. |
| Big Sunflower River. | For improving Big Sunflower River, Mississippi, twenty thousand dollars. |
| Coldwater River. | For improving Coldwater River, Mississippi, seven thousand dollars. |
| Tallahatchie River. | For improving Tallahatchie River, Mississippi, six thousand dollars. |
| Upper Red River. | For improving Upper Red River from Fulton to the head of the Raft ten thousand dollars. |
| Urbana Creek. | For improving Urbana Creek, Virginia, five thousand dollars. |
| Monongahela River. | For improving Monongahela River, West Virginia and Pennsylvania, to be expended in completing lock and dam at Hoard's Rock, twenty-four thousand dollars. |
| Boston Harbor. | For improving Boston Harbor, to be expended in the improvement of Anchorage Shoals, the channel at the lower middle, and dredging the upper harbor, near the mouth of Mystic River, fifty thousand dollars. |
| Staunton River. | For improving Staunton River, Virginia, five thousand dollars. |
| Missouri River. | For improving Missouri River at Cedar City, ten thousand dollars. |

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| | For improving Missouri River at and near Glasgow, fifteen thousand dollars. | Missouri River. |
| | For improving Bayou La Fourche, Louisiana, including removal of obstructions and deepening of channel, ten thousand dollars. | Bayou La Fourche. |
| | For construction of breakwater at New Haven, Connecticut, thirty thousand dollars. | New Haven Breakwater. |
| | For improving entrance to Woods Holl Harbor, Massachusetts, fifteen thousand dollars, to secure a channel two hundred feet wide and ten feet deep. | Woods Holl Harbor. |
| | For improving Manasquan River, New Jersey, twelve thousand dollars. | Manasquan River. |
| | For improving harbor at Grand Marias, Minnesota, ten thousand dollars. | Grand Marias Harbor. |
| | For improving harbor at Muscatine, Iowa, seven thousand five hundred dollars. | Muscatine Harbor. |
| | For improving White and Saint Francis Rivers, Arkansas, twelve thousand dollars. | White and Saint Francis Rivers. |
| | For improving L'Anguille River, Arkansas, five thousand dollars. | L'Anguille River. |
| | For ice harbor at or near Cincinnati, Ohio, the sum of fifty thousand dollars, appropriated by act of June eighteenth, eighteen hundred and seventy eight, is hereby declared available for the ensuing year. | Cincinnati ice-harbor. 1878, ch. 264. |
| | For improving Cambridge Harbor and Pocomoke River, Maryland, two thousand five hundred dollars each. | Cambridge Harbor. Pocomoke River. |
| | For improving harbor at Queenstown, Maryland, three thousand dollars. | Queenstown Harbor. |
| | For improving North Landing River, Virginia and North Carolina, twenty five thousand dollars. | North Landing River. |
| | For improving Lubec Channel, Maine, ten thousand dollars; and for the purpose of this improvement the unexpended balance of the appropriations made for the improvement of the Saint Croix River by the acts of March second, eighteen hundred and sixty seven, March third, eighteen hundred and seventy three, and June twenty third, eighteen hundred and seventy four, are hereby made available. | Lubec Channel. 1867, ch. 144, 14 Stat., 420. 1873, ch. 233, 17 Stat., 565. 1874, ch. 457, 18 Stat., 241. |
| | For harbor of refuge at Portage Lake, Lake Michigan, ten thousand dollars. | Portage Lake harbor of refuge. |
| | For Onancock Harbor, Virginia, three thousand dollars. | Onancock Harbor. |
| | For improving Trent River, North Carolina, seven thousand dollars. | Trent River. |
| | For improving Tar River, North Carolina, three thousand dollars. | Tar River. |
| | For improving Aransas Pass and Bay up to Rockport and Corpus Christi, Texas, thirty-five thousand dollars; which sum shall be expended in deepening the channel across the outer bar of Aransas Pass and the protection of the head of Mustang Island: <i>Provided,</i> That if the expenditure of said sum in the manner indicated herein involve the improvement of any channel or way owned or controlled by any corporation or person with the right to levy tolls or otherwise to affect the navigation and commerce thereof, no part of said sum shall be expended until such right, ownership, and control shall have been surrendered and relinquished to the United States, free of cost, in manner and form to be approved by the Secretary of War. | Aransas Pass and Bay. |
| | For improvement of Missouri River at Vermillion, Dakota, five thousand dollars. | <i>Proviso.</i> |
| | For improving Brunswick Harbor, Georgia, twenty thousand dollars. | Missouri River. Brunswick Harbor. |
| | For improving Portsmouth Harbor, New Hampshire, ten thousand dollars. | Portsmouth Harbor. |
| | For improving Missouri River, at or near Kansas City, thirty thousand dollars. | Missouri River. |
| | For improving Pascagoula River, Mississippi, fourteen thousand dollars. | Pascagoula River. |
| | For improving Pearl River, Mississippi, from Jackson to Carthage, six thousand dollars. | Pearl River. |
| | For improving the Osage River, Kansas and Missouri, twenty thousand dollars. | Osage River. |
| | For improving White River, Indiana, from the Wabash River to Portersville and to the Falls on West Fork, according to report of Chief of | White River. Indiana. |