

March 3, 1871. CHAP. CXVII. — *An Act making Appropriations for the naval Service for the Year ending June thirty, eighteen hundred and seventy-two, and for other Purposes.*

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled, That the following sums be, and they are hereby, appropriated, to be paid out of any money in the treasury not otherwise appropriated, for the naval service of the government for the year ending June thirty, eighteen hundred and seventy-two, and for other purposes: —

Pay of officers and seamen, mileage, &c. For pay of commissioned and warrant officers at sea, on shore, on special service, and of those on the retired list and unemployed, and for mileage or transportation of officers travelling under orders, and for pay of the petty officers, seamen, ordinary seamen, landsmen, and boys, including men for the engineers' force, eight thousand five hundred men, at an average pay of three hundred dollars each per annum, six million five hundred thousand dollars.

Contingent expenses. For contingent expenses of the Navy Department, one hundred and twenty-five thousand dollars.

North pole expedition. To restore to the contingent fund of the navy the expense of preparing and furnishing the vessel for the expedition toward the north pole, provided for in the act approved July twelve, eighteen hundred and seventy, fifty thousand dollars.

Ante, p. 251. **Bureau of Yards and Docks.** — For civil establishment at the navy yard, Kittery, Maine. — For draughtsman and clerk to civil engineer, at one thousand four hundred dollars each; for clerk of pay-rolls and mustering clerk, one thousand five hundred dollars; for receiver and inspector of stores, one thousand five hundred dollars; for writer to receiver and inspector of stores, one thousand dollars; for chief accountant, one thousand eight hundred dollars; for gate-keeper and detective, one thousand dollars; and for messenger at commandant's office, six hundred dollars, making in all ten thousand two hundred dollars.

Charlestown; At the navy yard, Charlestown, Massachusetts. — For assistant to civil engineer, one thousand five hundred dollars; for draughtsman and clerk to civil engineer, at one thousand four hundred dollars each; for clerk of pay-rolls and mustering clerk, one thousand five hundred dollars; for receiver and inspector of stores, one thousand five hundred dollars; for writer to receiver and inspector of stores, one thousand dollars; for chief accountant, one thousand eight hundred dollars; for gate-keeper and detective, one thousand dollars; and for messenger for commandant's office, six hundred dollars; in all, twelve thousand seven hundred dollars.

Brooklyn; At the navy yard, Brooklyn, New York. — For assistant to civil engineer, one thousand five hundred dollars; for draughtsman, and clerk to civil engineer, at one thousand four hundred dollars each; for receiver and inspector of stores, one thousand five hundred dollars; for clerk of pay-rolls and mustering clerk, one thousand five hundred dollars; for writer to commandant, one thousand dollars; for chief accountant, one thousand eight hundred dollars; for gate-keeper and detective, one thousand dollars; for mail-carrier, nine hundred dollars; and for messenger for commandant's office, six hundred dollars; in all, twelve thousand six hundred dollars.

Philadelphia; At the navy yard, Philadelphia, Pennsylvania. — For draughtsman, and clerk to civil engineer, one thousand four hundred dollars each; for clerk of pay-rolls and mustering clerk, one thousand five hundred dollars; for receiver and inspector of stores, one thousand five hundred dollars; for chief accountant, one thousand eight hundred dollars; for gate-keeper and detective, one thousand dollars; and for messenger for the commandant's office, six hundred dollars; in all, nine thousand two hundred dollars.

Washington. At the navy yard, Washington, District of Columbia. — For draughts-

man, and clerk to civil engineer, at one thousand four hundred dollars each; for receiver and inspector of stores, one thousand five hundred dollars; for clerk of pay-rolls and mustering clerk, one thousand five hundred dollars; for chief accountant, one thousand eight hundred dollars; for clerk to chief accountant, one thousand two hundred dollars; for gate-keeper and detective, one thousand dollars; for mail messenger, one thousand dollars; and for messenger for commandant's office, six hundred dollars; in all, eleven thousand four hundred dollars.

Navy yard at Washington;

At the navy yard, Norfolk, Virginia. — For draughtsman, and clerk to civil engineer, at one thousand four hundred dollars each; for receiver and inspector of stores, one thousand five hundred dollars; for clerk of pay-rolls and mustering clerk, one thousand five hundred dollars; for gate-keeper and detective, one thousand dollars; and for messenger for commandant's office, six hundred dollars; in all, seven thousand four hundred dollars.

Norfolk;

At the navy yard, Pensacola, Florida. — For superintendent of yard improvements, two thousand dollars; for receiver and inspector of stores, one thousand five hundred dollars; for gate-keeper and detective, one thousand dollars; for messenger for the office of the commandant, six hundred dollars; in all, five thousand one hundred dollars.

Pensacola;

At the navy yard, Mare Island, California. — For assistant to civil engineer and draughtsman, one thousand eight hundred dollars; for clerk to civil engineer, one thousand five hundred dollars; for receiver and inspector of stores, one thousand eight hundred and seventy-five dollars; for clerk of pay-rolls and mustering clerk, one thousand eight hundred and seventy-five dollars; for chief accountant, one thousand eight hundred and seventy-five dollars; for gate-keeper and detective, one thousand dollars; and for messenger for commandant's office, seven hundred and fifty dollars; in all, ten thousand six hundred and seventy-five dollars.

Mare Island;

At the Naval Asylum. — For steward, four hundred and eighty dollars; for matron, three hundred dollars; for cook, one hundred and sixty-eight dollars; assistant cook, one hundred and twenty dollars; four laundresses, at one hundred and eight dollars each; eight scrubbers and house-cleaners, at ninety-six dollars each; six laborers, at two hundred and forty dollars each, and seven laborers, at two hundred and sixty-four dollars each; master-at-arms, four hundred and eighty dollars; for ship's corporal, three hundred dollars; for barber, three hundred and sixty dollars; superintendent, five hundred and forty dollars; in all, seven thousand two hundred and thirty-six dollars.

Naval Asylum.

For the Naval Asylum at Philadelphia. — For support of the institution, sixty-five thousand one hundred dollars; which shall be paid out of the income from the naval pension fund.

For protection of timber lands, five thousand dollars.

Timber lands.

For contingent expenses of bureau of yards and docks, viz.: For freight and transportation of materials and stores; printing, stationery, and advertising; books, models, maps, and drawings; purchase and repair of fire-engines; machinery and patent-rights to use the same; repairs on steam-engines, and attendance on the same; purchase and maintenance of oxen and horses, and driving teams, carts, and timber-wheels for navy-yard purposes, and tools and repairs of same; postage on letters on public service, and telegrams; furniture for government houses and offices in navy yards; coal and other fuel; candles, oils, and gas; cleaning and clearing up yard, and care of buildings; attendance on fires; lights; fire-engines and apparatus; incidental labor at navy yards; water tax, and for toll and ferriages; pay of the watchmen in the navy yards; and for flags, awnings, and packing-boxes, eight hundred thousand dollars.

Contingent expenses.

Bureau [of] Equipment and Recruiting. — For equipment of ves-

Bureau of

- equipment and recruiting. — For coal for steamers' use, including expenses of transportation; storage, labor, hemp, wire, and other materials for the manufacture of rope; hides, cordage, canvas, leather; iron for manufacture of cables, anchors, and galleys; condensing and boat-detaching apparatus; cables, anchors, furniture, hose, bake-ovens, and cooking-stoves, life-rafts, heating apparatus for receiving-ships; and for the payment of labor in equipping vessels, and manufacture of articles in the navy yards pertaining to this bureau, one million five hundred thousand dollars.
- Civil establishment at navy yard at Kittery; — Civil establishment at the navy yard, Kittery, Maine. — For clerk in equipment office, one thousand four hundred dollars; for store clerk, one thousand one hundred dollars; and for time clerk, nine hundred dollars; in all, three thousand four hundred dollars.
- Boston; — At the navy yard, Boston. — For superintendent of ropewalk, one thousand nine hundred dollars; clerk to same, one thousand two hundred dollars; clerk in equipment office, one thousand five hundred dollars; for store clerk, one thousand two hundred dollars; time clerk, one thousand two hundred dollars; in all, seven thousand dollars.
- Philadelphia; — At the navy yard, Philadelphia. — For clerk in equipment office, one thousand four hundred dollars; for one store and one time clerk, at one thousand two hundred dollars each; in all, three thousand eight hundred dollars.
- Washington; — At the navy yard, Washington. — For clerk in equipment office, one thousand five hundred dollars; and for one store and one time clerk, one at one thousand four hundred dollars, one at one thousand two hundred dollars; in all, four thousand one hundred dollars.
- Brooklyn; — At the navy yard, Brooklyn, New York. — For clerk in equipment office, one thousand five hundred dollars; and for one store and one time clerk, at one thousand two hundred dollars each; in all, three thousand nine hundred dollars.
- Norfolk — At the navy yard, Norfolk. — For clerk in equipment office, one thousand four hundred dollars; for store clerk, one thousand one hundred and twenty-five dollars; and for time clerk, nine hundred dollars; in all, three thousand four hundred and twenty-five dollars.
- Pensacola; — At the navy yard, Pensacola. — For equipment-office clerk, one thousand three hundred dollars.
- Mare Island. — At the navy yard, Mare Island. — For clerk in equipment office, one thousand eight hundred and seventy-five dollars; for store clerk, one thousand two hundred dollars; three thousand and seventy-five dollars.
- Contingent expenses. — For contingent expenses of bureau of equipment and recruiting, namely: For freight and transportation of stores, transportation of enlisted men, mileage to honorably discharged men, printing, advertising, telegraphing, stationery, apprehension of deserters, assistance to vessels in distress, one hundred and twenty-five thousand dollars.
- Bureau of navigation. — *Bureau of Navigation.* — For foreign and local pilotage and towage of ships of war, fifty thousand dollars.
- Pilotage and towage. — For services and materials in correcting compasses on board ship, and for adjusting and testing compasses on shore, three thousand dollars.
- Correcting, &c. compasses. — For nautical and astronomical instruments, nautical books, maps, and charts, and sailing directions, and repairs of nautical instruments for ships of war, ten thousand dollars.
- Nautical instruments, books, charts, &c. — For books for libraries for ships of war, three thousand dollars.
- Books for libraries. — For navy signals and apparatus, namely, signal-lights, lanterns, and rockets, including running lights, drawings, and engravings for signal-books, six thousand dollars.
- Navy signals, &c. — For compass fittings, including binnacles, pedestals, tripods, and other appendages of ships' compasses to be made in the navy yards, five thousand dollars.
- Compass fittings. — For compass fittings, including binnacles, pedestals, tripods, and other appendages of ships' compasses to be made in the navy yards, five thousand dollars.
- Logs, &c. — For logs and other appliances for measuring the ship's way, leads, and other appliances for sounding, three thousand dollars.

For lanterns and lamps and their appendages for general use on board ship, including those for the cabin, ward-room, and steerage, for the holds and spirit-room, for decks and quartermaster's use, six thousand dollars.	Lanterns,
For bunting and other materials for flags, and making and repairing flags of all kinds, five thousand dollars.	Flags.
For oil for ships of war other than that used for the engineer department, candles when used as a substitute for oil in running lights, for chimneys and wick and soap used in navigation department, forty thousand dollars.	Oil.
For stationery for commanders and navigators of vessels of war, five thousand dollars.	Stationery.
For musical instruments, and music for vessels of war, one thousand dollars.	Musical instruments.
For steering signals and indicators, and for speaking-tubes and gongs, for signal communication on board ships of war, two thousand five hundred dollars.	Signal communication.
For drawing, engraving, and printing charts, electrotyping and correcting old plates, preparing and publishing sailing directions, and other hydrographic information, ten thousand dollars.	Charts and sailing directions.
Civil establishment. — For pay of writers and laborers, and for purposes incidental to the support of the civil establishment under this bureau at the several navy yards, twelve thousand dollars.	Civil establishment.
For contingent expenses of the bureau of navigation: Freight and transportation of navigation materials; instruments, books, and stores; postage and telegraphing on public business; advertising for proposals; packing-boxes and materials; blank books, forms, and stationery, at navigation offices, six thousand dollars.	Contingent expenses.
For rent of building, fuel, lights, and office furniture; care of building and other labor; purchase of books for library, drawing materials, and other stationery, postage, freight, and other contingent expenses, ten thousand dollars.	
For expenses of Naval Observatory, namely: —	Naval Observatory.
For pay of one clerk, one thousand eight hundred dollars.	Vol. xvii. p. 11.
For three assistant observers, four thousand dollars.	
For payment, in part, for the great refracting telescope now in course of construction, ten thousand dollars.	Refracting telescope.
For purchase of chronograph, five hundred dollars.	Chronograph.
For computation for theory and tables of the moon, two thousand dollars.	Theory and tables of the moon.
For preparing instruments for observation of transit of Venus, two thousand dollars: <i>Provided</i> , That this and all other appropriations made for the observations of the transits of Venus shall be expended, subject to the approval of the Secretary of the Navy, under the direction of a commission to be composed of the superintendent and two of the professors of mathematics of the navy attached to the Naval Observatory, the president of the National Academy of Sciences, and the superintendent of the coast survey, for which service they shall not receive any compensation.	Transit of Venus. Appropriations, how to be expended. Commission to receive no compensation.
For wages of one instrument-maker, one messenger, three watchmen, and one porter; for keeping grounds in order and repairs to buildings; for fuel, light and office furniture, and for stationery, purchase of books for library, chemicals for batteries, postage, and freight, and all other contingent expenses, thirteen thousand five hundred dollars.	
For expenses of Nautical Almanac: —	Nautical Almanac.
For pay of computers and clerk for compiling and preparing for publication the American Ephemeris and the Nautical Almanac, eighteen thousand five hundred dollars.	
For rent, fuel, labor, stationery, boxes, expresses, and miscellaneous items, one thousand five hundred dollars.	

- Bureau of ordnance.** — *Bureau of Ordnance.* — For ten fifteen-inch guns, to meet contingencies, seventy thousand dollars.
- Guns.** — For one thousand two hundred and fifty barrels of gunpowder, twenty-five thousand dollars.
- Gunpowder.**
- Fuel.** — For fuel and materials necessary in carrying on the mechanical branches of the ordnance department at the navy yards and stations, seventy-five thousand dollars.
- Labor.** — For labor at navy yards, two hundred thousand dollars.
- Repairs.** — For repairs to ordnance buildings, magazines, gun-parks, machinery, and other necessaries of the like character, seventy thousand five hundred and nine dollars.
- Miscellaneous.** — For miscellaneous items, six thousand one hundred and fifty dollars.
- Experiments.** — For experiments in ordnance, fifteen thousand dollars.
- Nitre depot and magazine.** — For improvements at the nitre depot, Malden, seven thousand three hundred and sixty dollars; at the magazine, Norfolk, one thousand dollars.
- Torpedo boats.** — For the construction of two iron-plated torpedo boats, six hundred thousand dollars.
- Torpedo corps.** — For the torpedo corps. — For the purchase and manufacture of gunpowder, nitro-glycerine, and gun-cotton, seven thousand dollars.
- Explosives.**
- Electrical machines, &c.** — For purchase and manufacture of electrical machines, galvanic batteries, and insulated wire, twenty thousand dollars.
- Materials for torpedoes.** — For purchase of copper, iron, wood, and other materials necessary for the manufacture of torpedoes, and for work on the same, eighteen thousand dollars.
- For construction of torpedo boats, purchase of coffer-work or hulks, and contingent expenses, twenty thousand dollars.
- Buildings.** — For additional buildings, and repairs to buildings and to wharf, five thousand dollars.
- Labor.** — For labor, including one chemist at two thousand dollars, one foreman machinist at one thousand five hundred and sixty-five dollars, and one clerk, ten thousand dollars.
- Civil establishment.** — Civil establishment. — For pay of the superintendents and the civil establishment of the several navy yards under this bureau, fifteen thousand dollars.
- Contingent expenses.** — For contingent expenses of the ordnance service of the navy, one thousand dollars.
- Bureau of construction and repair.** — *Bureau of Construction and Repair.* — For preservation of vessels on the stocks and in ordinary; purchase of materials and stores of all kinds; labor in navy yards and on foreign stations; preservation of material; purchase of tools; wear, tear, and repair of vessels afloat, and general maintenance of the navy; incidental expenses, advertising, and foreign postages, three million five hundred thousand dollars.
- Preservation of vessels, and purchase of materials, labor, &c.**
- Seth Wilmarth's patent for raising turrets.** — To enable the Secretary of the Navy to purchase of Seth Wilmarth "the right to use, for all purposes, his patent called hydrostatic arrangement for raising turrets," fifty thousand dollars: *Provided*, That he shall execute, to the satisfaction of the Secretary of the Navy, an instrument conveying to the United States full right to use the same under his patent, and under all improvements, modifications, or extensions of the same, which may now or hereafter exist.
- Proviso.**
- Civil establishment at navy yard at Kittery;** — Civil establishment at the navy yard, Kittery. — For clerk of storehouses, one thousand five hundred dollars; inspector of timber, draughtsman, clerk to naval constructor, time clerk, and superintendent of floating dock, at one thousand four hundred dollars each, eight thousand five hundred dollars.
- Boston.** — At the navy yard, Boston. — For clerk to naval constructor, inspector of timber, and time clerk, at one thousand five hundred dollars each; draughtsman to naval constructor, one thousand four hundred dollars; and clerk of storehouses, at one thousand two hundred dollars each; in all, seven thousand one hundred dollars.

<p>At the navy yard, Brooklyn, New York. — For draughtsman to naval constructor, one thousand four hundred dollars ; clerk to naval constructor, inspector of timber, and time clerk, at one thousand five hundred dollars each ; and clerk of storehouses, at one thousand two hundred dollars each ; seven thousand one hundred dollars.</p>	<p>Civil establishment at navy yard at Brooklyn;</p>
<p>At the navy yard, Philadelphia. — For clerk of storehouses, one thousand five hundred dollars ; inspector of timber, draughtsman for naval constructor, clerk to naval constructor, time clerk, and superintendent of floating dock, at one thousand four hundred dollars each ; in all, eight thousand five hundred dollars.</p>	<p>Philadelphia;</p>
<p>At the navy yard, Washington. — For clerk of storehouses, one thousand four hundred dollars ; inspector of timber, clerk to naval constructor, and time clerk, at one thousand two hundred dollars each ; in all, five thousand dollars.</p>	<p>Washington,</p>
<p>At the navy yard, Norfolk. — For draughtsman to naval constructor, and clerk of storehouses, at one thousand four hundred dollars each ; and time clerk, one thousand two hundred dollars ; in all, four thousand dollars.</p>	<p>Norfolk;</p>
<p>At the navy yard, Pensacola. — For clerk of storehouses, one thousand two hundred dollars.</p>	<p>Pensacola;</p>
<p>At the navy yard, Mare Island, California. — For draughtsman to naval constructor, one thousand four hundred dollars ; inspector of timber, clerk of storehouses, clerk to naval constructor, superintendent of floating dock, and time clerk, at one thousand five hundred dollars each ; eight thousand nine hundred dollars.</p>	<p>Mare Island.</p>
<p><i>Bureau of Steam Engineering.</i> — For repairs and preservation of machinery, boilers, labor in navy yards, coal, transportation, materials, and stores, one million dollars: <i>Provided</i>, That no money appropriated by this act shall be expended on account of naval engines contracted for during the war.</p>	<p>Bureau of steam engineering. Repairs, &c. of machinery, &c. Proviso.</p>
<p>Removing machinery and tools from old to new machine shops, for converting old machine shops into a storehouse, and repairs to yard machinery at Brooklyn navy yard, seventy-five thousand dollars.</p>	
<p>Civil establishment at the navy yard, Kittery, Maine. — For draughtsman, one thousand six hundred dollars ; clerk to chief engineer, and store clerk, at one thousand four hundred dollars each ; and time clerk, at one thousand two hundred dollars ; in all, five thousand six hundred dollars.</p>	<p>Civil establishment at navy yard at Kittery;</p>
<p>At the navy yard, Charlestown. — For draughtsman, one thousand six hundred dollars ; clerk to chief engineer, and store clerk, at one thousand four hundred dollars each ; and time clerk, at one thousand two hundred dollars ; in all, five thousand six hundred dollars.</p>	<p>Charlestown;</p>
<p>At the navy yard, Brooklyn, New York. — For draughtsman, one thousand six hundred dollars ; clerk to chief engineer, and store clerk, one thousand four hundred dollars each ; and time clerk, at one thousand two hundred dollars ; in all, five thousand six hundred dollars.</p>	<p>Brooklyn;</p>
<p>At the navy yard, Philadelphia. — For draughtsman, one thousand six hundred dollars ; clerk to chief engineer, and store clerk, at one thousand four hundred dollars each ; and time clerk, at one thousand two hundred dollars ; in all, five thousand six hundred dollars.</p>	<p>Philadelphia;</p>
<p>At the navy yard, Washington. — For draughtsman, one thousand six hundred dollars ; clerk to chief engineer, and store clerk, at one thousand four hundred dollars each ; and time clerk, one thousand two hundred dollars ; in all, five thousand six hundred dollars.</p>	<p>Washington;</p>
<p>At the navy yard, Norfolk. — For draughtsman, one thousand six hundred dollars ; clerk to chief engineer, and store clerk, at one thousand four hundred dollars each ; and time clerk, one thousand two hundred dollars ; in all, five thousand six hundred dollars.</p>	<p>Norfolk;</p>
<p>At the navy yard, Pensacola. — For clerk of storehouses, one thousand two hundred dollars.</p>	<p>Pensacola.</p>

- Mare Island.** At the navy yard, Mare Island, California. — For draughtsman, one thousand six hundred dollars; clerk to chief engineer, and store clerk, one thousand four hundred dollars each; and time clerk, one thousand two hundred dollars; in all, five thousand six hundred dollars.
- For foundery tools, machinery, and appliances for erecting machinery, and tools in machine shop, and for fitting up smithy, eighty-five thousand dollars.
- Bureau of provisions and clothing.** *Bureau of Provisions and Clothing.* — For provisions for the officers, seamen, and marines, one million five hundred and forty-seven thousand dollars.
- Provisions.** For purchase of water for ships, forty thousand dollars.
- Water.** For purchase of clothing and clothing materials, two hundred and fifty thousand dollars.
- Clothing.** For pay of the civil establishment at the several navy yards under this bureau: —
- At navy yard, Boston. — Two writers, one to paymaster and one to inspector of provisions and clothing, at one thousand and seventeen dollars and twenty-five cents each; in all, two thousand and thirty-four dollars and fifty cents.
- Brooklyn;** At the navy yard, Brooklyn. — Two writers to paymasters, at one thousand and seventeen dollars and twenty-five cents each; assistant to inspector of provisions and clothing, one thousand eight hundred and seventy-eight dollars; writer to inspector of provisions and clothing, one thousand and seventeen dollars and twenty-five cents; assistant superintendent of mills, nine hundred and thirty-nine dollars; in all, five thousand eight hundred and sixty-eight dollars and seventy-five cents.
- Philadelphia;** At the navy yard, Philadelphia. — One writer to paymaster, one thousand and seventeen dollars and twenty-five cents; one writer to inspector of provisions and clothing, one thousand and seventeen dollars and twenty-five cents; in all, two thousand and thirty-four dollars and fifty cents.
- Washington;** At the navy yard, Washington. — One writer to paymaster, one thousand and seventeen dollars and twenty-five cents.
- Norfolk;** At the navy yard, Norfolk. — One writer to paymaster, one thousand and seventeen dollars and twenty-five cents.
- Mare Island.** At the navy yard, Mare Island. — One writer to paymaster, at one thousand and seventeen dollars and twenty-five cents; one writer to inspector of provisions and clothing, one thousand two hundred and ninety-five dollars and fifty cents; in all, two thousand three hundred and twelve dollars and seventy-five cents.
- Contingent expenses.** For contingent expenses: For freight and transportation to foreign and home stations; candles; fuel; interior alterations and fixtures in inspection buildings; tools, and repairing same at eight inspections; special watchmen in eight inspections; books and blanks; stationery; telegrams; postages and express charges; tolls, ferrriages and car tickets; ice; and incidental labor not chargeable to other appropriations, seventy-five thousand dollars.
- Bureau of Medicine and Surgery.* — For support of the medical department, for surgeons' necessaries for vessels in commission, navy yards, naval stations, marine corps, coast survey, not including the families of officers on shore stations, fifty thousand dollars.
- For necessary repairs of naval laboratory, hospitals, and appendages, including roads, wharves, outhouses, steam-heating apparatus, sidewalks, fences, gardens, farms, and for grading and laying off the grounds of the two new hospitals, forty thousand dollars.
- For pay of the civil establishment under this bureau: At the hospital at Chelsea, Massachusetts, seven thousand seven hundred and eighty-two dollars.
- At the hospital, New York, eleven thousand three hundred and thirty-six dollars.
- Bureau of medicine and surgery.** *Medical department and surgeons' necessaries.*
- Repairs of laboratory, hospitals, &c.**
- Civil establishment at hospital at Chelsea;** New York.

At the hospital, Philadelphia, six thousand nine hundred and ninety dollars.	Civil establishment at hospital at Philadelphia; Washington;
At the hospital, Washington, District of Columbia, five thousand and seventy dollars.	Philadelphia; Washington;
At the hospital, Annapolis, Maryland, four thousand five hundred and twelve dollars.	Annapolis;
At the hospital, Norfolk, Virginia, five thousand four hundred and six dollars.	Norfolk;
At the hospital, Pensacola, Florida, five thousand and ninety-four dollars.	Pensacola;
At the hospital, Mare Island, California, eight thousand eight hundred and seventy-two dollars.	Mare Island;
At the naval laboratory, New York, five thousand six hundred dollars.	Laboratory, New York;
At the navy yard, Portsmouth, New Hampshire, one thousand two hundred and ninety dollars.	Navy yard at Portsmouth; Boston;
At the navy yard, Boston, Massachusetts, one thousand four hundred and eighty dollars.	
At the navy yard, New York, one thousand four hundred and eighty dollars.	New York;
At the navy yard, Philadelphia, one thousand four hundred and eighty dollars.	Philadelphia;
At the navy yard, Washington, District of Columbia, one thousand four hundred and eighty dollars.	Washington;
At the navy yard, Norfolk, Virginia, one thousand four hundred and eighty dollars.	Norfolk;
At the naval station, Mound City, Illinois, one thousand four hundred and eighty dollars.	Naval station at Mound City.
For contingent expenses of the bureau, freight on medical stores, transportation of insane patients to the government hospital, advertising, telegraphing, purchase of books, expenses attending the naval medical board of examiners, purchase and repair of wagons, harness, purchase and feed of horses, cows, trees, garden tools, seeds, thirty thousand dollars.	Contingent expenses.
<i>Naval Academy.</i> — For pay of professors and others: one professor of mathematics, twenty-five hundred dollars; four professors, namely, of mathematics, (assistant,) of French, of chemistry, and of ethics and English studies, at two thousand two hundred dollars each; fourteen assistant professors, namely, five of French, two of Spanish, three of ethics and English studies, one of mathematics, one of astronomy, and two of drawing, at one thousand eight hundred dollars each; and the money appropriated for the current year for the salaries of professors and assistant professors may be distributed as above: <i>Provided</i> , That the sum so appropriated be not exceeded; sword-master, at one thousand two hundred dollars, and two assistants, at one thousand dollars each; boxing-master and gymnast, one thousand two hundred dollars; assistant librarian, at one thousand four hundred dollars; three clerks to superintendent, one at one thousand two hundred dollars, one at one thousand dollars, and one at eight hundred dollars; clerk to paymaster, one thousand dollars; commissary, at two hundred and eighty-eight dollars; messenger to superintendent, at six hundred dollars; cook, at three hundred and twenty-five dollars and fifty cents; armorer, at five hundred and twenty-nine dollars and fifty cents; quarter-gunner, at four hundred and nine dollars and fifty cents; gunner's mate, at four hundred and sixty-nine dollars and fifty cents; coxswain, at four hundred and sixty-nine dollars and fifty cents; three seamen, in departments of seamanship, at three hundred and forty-nine dollars and fifty cents each; band-master, at five hundred and twenty-eight dollars; eighteen first-class musicians, at three hundred and forty-eight dollars each; seven second-class musicians, at three hundred dollars each; two drummers and one fifer, (first-class,) at three hundred and forty-eight dollars each; in all, fifty-eight thousand four hundred and seventy-six dollars.	Naval Academy. Pay of professors, assistants, teachers, &c. Appropriation not to be exceeded.

- Pay of watchmen, mechanics, laborers. For pay of watchmen and others, thirty thousand two hundred and ninety-four dollars and fifty cents.
- For pay of mechanics and others, seventeen thousand four hundred and sixty-two dollars and seventy-five cents.
- For pay of employees in the department of steam enginery, for machinists, boiler-makers, and others, eight thousand seven hundred and sixty dollars.
- Public buildings. For repairs and improvements of public buildings, fourteen thousand five hundred dollars.
- Contingent expenses. For contingent expenses, sixty-four thousand and eighty-nine dollars.
- Marine corps. *Marine Corps.* — For pay and subsistence of officers of the marine corps, and for pay of non-commissioned officers, musicians, privates, and others of the corps, seven hundred thousand dollars.
- Pay and subsistence.
- Provisions. For provisions, one hundred and twenty thousand dollars.
- Clothing. For clothing, one hundred and sixteen thousand eight hundred and ninety dollars.
- Fuel. For fuel, twenty-six thousand one hundred and sixty-nine dollars.
- Military stores. For military stores, namely: For pay of mechanics, repair of arms, purchase of accoutrements, ordnance stores, flags, drums, fifes, and other instruments, twelve thousand dollars.
- Transportation and recruiting. For transportation of officers and their servants, and troops, and for expenses of recruiting, twelve thousand dollars.
- Barracks and rent of offices. For repairs of barracks, and rent of offices, where there are no public buildings, ten thousand dollars.
- Contingencies. For contingencies, namely: Freight; ferriage; toll; cartage; wharfage; purchase and repair of boats; labor; house rent of officers' quarters; burial of deceased marines; printing, stationery, postage, telegraphing; apprehension of deserters; oil, candles, gas; repairs of gas and water fixtures; water rent, forage, straw, barrack furniture; furniture for officers' quarters; bed-sacks, wrapping-paper, oil-cloth, crash, rope, twine, spades, shovels, axes, picks, carpenters' tools; keep of a horse for the messenger; repairs to fire-engines, purchase and repair of engine hose; purchase of lumber for benches, mess-tables, bunks; repairs to public carryall; purchase and repair of harness; purchase and repair of hand-carts and wheelbarrows; scavengering; purchase and repair of galleys, cooking-stoves, ranges; stoves, where there are no grates; gravel for parade-grounds; repair of pumps; brushes, brooms, buckets, paving, and for other purposes, forty thousand dollars: *Provided*, That the amount of fifty thousand dollars appropriated by section nine of an act making appropriations for the legislative, executive, and judicial expenses of the government for the year ending the thirtieth of June, eighteen hundred and seventy-one, approved July twelfth, eighteen hundred and seventy, to be expended under the direction of the President in organizing and sending out an expedition to the north pole, shall not be carried to the surplus fund or covered into the treasury until the purpose of said appropriation shall have been completed, but may be applied to expenses of said expedition incurred during any subsequent year that said expedition may be engaged on its duties.
- Former appropriation for north pole expedition not to be carried to surplus fund, &c. until, &c. 1870, ch. 251, § 9. *Ante*, p. 251.
- Floating iron dock for repair of naval vessels, may be built by contract. Contract only to lowest responsible bidder; after advertisement, &c.
- SEC. 2. That the Secretary of the Navy is hereby authorized to have built, by contract in some private yard, a floating iron dock, for the repair of naval vessels on their stations, and a sum not exceeding one million dollars is hereby appropriated for this purpose. And the said contract shall only be made to the lowest responsible bidder, and on plans and specifications which shall be open for the inspection of bidders for at least ninety days before the day of letting said contract, after the public notice by advertisement for at least thirty days in at least one daily newspaper published in each of the cities of Boston, New York, and Philadelphia, inviting sealed bids for such contract, which bids shall be opened and the award of the contract made publicly by the Secretary of the Navy, at a

time and place to be specified in such notice. And no contract shall be made for a dock under this section at a cost exceeding one million dollars: *Provided*, That if it be thought best by a board consisting of chiefs of the bureaus of "construction and repairs," "steam engineering," and "yards and docks," that plans and specifications shall be invited from responsible builders, engineers, and others outside of the Navy Department, the Secretary of the Navy may, by public advertisement, as provided in this section, advertise for such plans and specifications to accompany bids for the construction of the dock according to the same; in which case the Secretary of the Navy shall refer all such plans and specifications and bids and the bids on the plans furnished by the department to a board of at least five experienced officers, a majority of whom shall be constructors and engineers, and one of whom may be an experienced civilian engineer, who shall consider and report which of all the bids is the lowest for the purposes of this contract, taking into consideration the plans and specifications on which they are respectively made: *Provided, however*, That if the contract shall be awarded upon plans and specifications furnished by persons outside of the department, such contract shall not be entered into unless the contractor shall furnish good and sufficient security in at least five hundred thousand dollars, in addition to the reservations on said contract, that the dock, when completed, shall be portable and safe, and shall in all respects answer the purposes for which it was built.

Cost by contract not to exceed \$ 1,000,000.

Plans and specifications from outside builders, engineers, &c.;

to be referred to a board.
Vol. xvii. p. 11.

Contractor to furnish security, if, &c

SEC. 3. That no chief of a bureau shall make any contract for supplies for the navy, to be executed in a foreign country, except it be on first advertising for at least thirty days in two daily newspapers of the city of New York, inviting sealed bids for furnishing the supplies desired, which bids shall be opened in the presence of the Secretary of the Navy, and the heads of two bureaus; and contracts shall in all cases be awarded to the lowest bidder; and paymasters for the navy on foreign stations shall render, when practicable, with their accounts, for settlement, an official certificate from the resident consul, commercial, or consular agent of the United States, if there be one, to be furnished gratuitously, vouching that all purchases and expenditures made by said paymasters were made at the ruling market prices of the port or place at the time of purchase or expenditure.

Certain contracts for supplies for the navy not to be made by any chief of bureau, except, &c.

Paymasters on foreign stations to furnish certain certificates as to their purchases.

SEC. 4. That the President be, and he is hereby, authorized to accept the resignation of any officer in the navy until the number of officers in the grade to which such officer shall belong is reduced to the number authorized by law, whose resignation shall take effect on or before the first day of January next, and any officer so resigning shall be entitled to one year's sea pay in addition to the pay due such officer at the date when his resignation shall take effect: *Provided*, That this section shall not apply when the number of officers shall have been reduced to the number allowed by law.

Resignation of certain officers in the navy may be accepted.

Additional pay to those so resigning.
Proviso.

SEC. 5. That the officers of the medical corps on the active list of the navy shall be as follows:—

Officers of medical corps on active list.
Number, rank, and pay of medical directors; medical inspectors, surgeons;

Fifteen medical directors, who shall have the relative rank of captain.
Fifteen medical inspectors, who shall have the relative rank of commander; and

Fifty surgeons, who shall have the relative rank of lieutenant commander or lieutenant; and each and all of the above-named officers of the medical corps shall have the pay of surgeons in the navy as now provided; and medical directors and inspectors, on duty at sea, shall receive the pay of fleet surgeons.

One hundred assistant surgeons, who shall have the relative rank of master or ensign, with the present pay of assistant surgeon in the navy: *Provided*, That assistant surgeons of three years' service, who have been found qualified for promotion by a medical board of examiners, shall have the pay of past assistant surgeons, as now provided; and passed

assistant surgeons.

Proviso.

assistant surgeons shall have the relative rank of lieutenant or master; and no person under twenty-one, or over twenty-six years of age, shall hereafter be appointed an assistant surgeon in the navy.

Pay corps.
Officers on active list.
Number, rank, and pay of pay directors; pay inspectors; paymasters;

Pay Corps. — SEC. 6. That the officers of the pay corps on the active list of the navy shall be as follows: —

- Thirteen pay directors, who shall have the relative rank of captain;
- Thirteen pay inspectors, who shall have the relative rank of commander; and
- Fifty paymasters, who shall have the relative rank of lieutenant-commander or lieutenant.

And each and all of the above-named officers of the pay corps shall have the pay of paymasters in the navy as now provided; and pay directors and inspectors on duty at sea shall receive the pay of fleet paymasters.

passed assistant paymasters;

Thirty passed assistant paymasters, who shall have the relative rank of lieutenant or master, with the pay of passed assistant paymasters in the navy as now provided.

assistant paymasters.

Twenty assistant paymasters, who shall have the relative rank of master or ensign, with the pay of assistant paymasters as now provided: *Provided, however,* That all laws and regulations relating to the bonds of paymasters shall continue in full force and application, and the issuing of a new appointment and commission to any officer of the pay corps under the provisions of this act shall not affect or annul any existing bond, but the same shall remain in force, and apply to such new appointment and commission.

Bonds to continue in force.

Engineer corps.

Engineer Corps. — SEC. 7. That the officers of the engineer corps on the active list of the navy shall be as follows: —

Officers on active list.
Number, rank, and pay of chief engineers;

- Ten chief engineers, who shall have the relative rank of captain;
- Fifteen chief engineers, who shall have the relative rank of commander; and
- Forty-five chief engineers, who shall have the relative rank of lieutenant-commander or lieutenant.

And each and all of the above-named officers of the engineer corps shall have the pay of chief engineers of the navy as now provided.

first assistant engineers;

One hundred first assistant engineers, who shall have the relative rank of lieutenant or master; and

second assistant engineers.

One hundred second assistant engineers, who shall have the relative rank of master or ensign; and the said assistant engineers shall have the pay of first and second assistant engineers of the navy, respectively, as now provided.

Second assistant engineers when appointed to be between certain years of age;

SEC. 8. That no person under nineteen or over twenty-six years of age shall be appointed a second assistant engineer in the navy; nor shall any person be appointed or promoted in the engineer corps until after he has been found qualified by a board of competent engineer and medical officers designated by the Secretary of the Navy, and has complied with existing regulations.

to be found qualified before appointment or promotion.

Relative rank of naval constructors; assistant naval constructors; chaplains; civil engineers.

SEC. 9. That of the naval constructors two shall have the relative rank of captain, three of commander, and all others that of lieutenant commander or lieutenant; and assistant naval constructors shall have the relative rank of lieutenant or master; four chaplains shall have the relative rank of captain, seven that of commander, and not more than seven that of lieutenant commander or lieutenant: and that the President of the United States is hereby authorized, in his discretion, to determine and fix the relative rank of civil engineers: *Provided,* That the pay of said officers shall not be increased.

Grades for staff corps of the navy, how to be filled; new commissions.

SEC. 10. That the foregoing grades, hereby established for the staff corps of the navy, shall be filled by appointment from the highest numbers in each corps, according to seniority, and that new commissions shall be issued to the officers so appointed, in which commissions the

titles and grades herein established shall be inserted; and no existing commission shall be vacated in the said several staff corps, except by the issue of new commissions required by the provisions of this act, and no officer shall be reduced in rank or lose seniority in his own corps by any change which may be required under the provisions of this act; and the officers of the staff corps of the navy shall take precedence in their several corps, and in their several grades, and with officers of the line with whom they hold relative rank, according to length of service in the navy: *Provided*, That in estimating the length of service for this purpose, the several officers of the staff corps shall respectively take precedence in their several grades and with those officers of the line of the navy with whom they hold relative rank who have been in the naval service six years longer than such officers of said staff corps have been in said service: *And provided further*, That in estimating such length of service, officers who have been advanced or lost numbers on the navy register shall be considered as having gained or lost length of service accordingly: *And provided further*, That chiefs of bureau may be appointed from officers having the relative rank of captain in the staff corps of the navy on the active list: *And provided further*, That no staff officer shall, in virtue of his relative rank or precedence, have any additional right to quarters: *And provided further*, That any staff officer of the navy who has performed the duty of chief of a bureau of the Navy Department for a full term shall thereafter be exempt from sea duty, except in time of war.

Existing commissions not to be vacated, except, &c.

Officers not to be reduced in rank, &c.

Precedence of officers of staff corps.

Length of service how estimated.

Chiefs of bureau may be appointed from what rank.

Staff officers to have no additional right to quarters.

Certain staff officers to be exempt from sea duty, except.

SEC. 11. That officers of the medical, pay, and engineer corps, chaplains, and professors of mathematics, and also constructors, who shall have served faithfully for forty-five years, shall, when retired, have the relative rank of commodore; and officers of these several corps who have been or shall be retired at the age of sixty-two years, before having served for forty-five years, but who shall have served faithfully until retired, on the completion of forty years from their entry into the service, shall also from that time have the relative rank of commodore; and staff officers who have been or shall be retired for causes incident to the service before arriving at sixty-two years of age shall have the same rank on the retired list as pertained to their position on the active list: *Provided, however*, That nothing contained in this section shall be construed to increase the pay now provided for said several staff officers.

Rank of retired officers of the medical, pay, and engineer corps, chaplains, &c.

Pay not increased.

Chiefs of certain bureaus to have what rank and title.

SEC. 12. That the chiefs of the bureau of medicine and surgery, provisions and clothing, steam engineering, and construction and repair, shall have the relative rank of commodore while holding said position, (or if heretofore or hereafter retired therefrom by reason of age or length of service,) and shall have, respectively, the title of surgeon-general, paymaster-general, engineer-in-chief, and chief-constructor: *Provided*, That when the office of chief of bureau is filled by a line officer below the rank of commodore, said officer shall have the relative rank of commodore during the time he holds said office: *And provided further*, That the pay of chiefs of bureau in the Navy Department shall be the highest pay of the grade to which they belong, but not below that of commodore; and officers of the staff now on the retired list shall have the rank thereon to which they would have been entitled had they remained in the active list, unless they shall be entitled to higher rank. That commanding officers of vessels of war and of naval stations shall take precedence over all officers placed under their command, and the Secretary of the Navy may, in his discretion, detail a line officer to act as the aid or executive of the commanding officer of a vessel of war, or naval station, which officer shall, when not impracticable, be next in rank to said commanding officer, and who, as such aid or executive, shall, while executing the orders of the commanding officer, on board such vessel, or at such station, take precedence over all officers attached to such vessel or

Proviso.

Pay of chiefs of bureau.

Rank of staff officers now on retired list.

Commanding officers of vessels of war and naval stations to take precedence, &c.

Line officer may be detailed as aid, &c. to commanding officer; rank and precedence.

Orders.

Right of staff
officers in such
cases

station; and all orders of such aid or executive shall be regarded as proceeding from the commanding officer; and such aid or executive shall have no independent authority in consequence of such detail; and staff officers, senior to the officer so detailed, shall have the right to communicate directly with the commanding officer, and in processions on shore, on courts-martial, summary courts, courts of inquiry, boards of survey, and all other boards, line and staff officers shall take precedence according to rank.

Repealing
clause.

SEC. 13. That all acts and parts of acts inconsistent with this act are hereby repealed.

APPROVED, March 3, 1871.

March 3, 1871.

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

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

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

- | | |
|--------------------------------|--|
| Superior City. | For improvement of Superior City harbor, Wisconsin, sixty thousand dollars. |
| Marquette. | For improvement of Marquette harbor, Lake Superior, Michigan, sixty thousand dollars. |
| Green Bay. | For improvement of Green Bay harbor, Wisconsin, seventeen thousand five hundred dollars. |
| Manitowoc. | For improvement of Manitowoc harbor, Wisconsin, eleven thousand dollars. |
| Sheboygan. | For improvement of Sheboygan harbor, Wisconsin, fifteen thousand dollars. |
| Port Wash-
ington. | For improvement of Port Washington harbor, Wisconsin, fifteen thousand dollars. |
| Milwaukee. | For improvement of Milwaukee harbor, Wisconsin, thirty-eight thousand dollars. |
| Racine. | For improvement of Racine harbor, Wisconsin, ten thousand dollars. |
| Kenosha. | For improvement of Kenosha harbor, Wisconsin, ten thousand dollars. |
| Two-Rivers. | For improvement of Two-Rivers harbor, Wisconsin, twenty-five thousand dollars. |
| Ahnapee. | For improvement of Ahnapee harbor, Wisconsin, twenty-five thousand dollars. |
| Mouth of Me-
nomonee river. | For improvement of harbor at mouth of Menomonee river, Wisconsin and Michigan, twenty-five thousand dollars. |
| Shrewsbury
river. | For improvement of the north and south branches of the Shrewsbury river, New Jersey, fourteen thousand dollars. |
| Aux Becs
Scies. | For improvement of Aux Becs Scies harbor, Michigan, ten thousand dollars. |
| South river. | For the improvement of South river, New Jersey, fifteen thousand dollars. |
| Salem river. | For the removal of obstructions of Salem river, New Jersey, four thousand dollars. |
| Manistee har-
bor. | For improvement of Manistee harbor, Michigan, nine thousand dollars. |
| Ouachita
river. | For improvement of Ouachita river from the Louisiana State line to the town of Arkadelphia, in the State of Arkansas, on said river, twenty-five thousand dollars. |
| Pere Mar-
quette. | For improvement of Pere Marquette harbor, Michigan, ten thousand dollars. |