1868. Apl. 13. From Engineer Secretary, Maj. O. M. Poe, U.S.E. To Acting L.H. Engineer, Jos. Lederle, Tompkinsville, N.Y. Regulations not bearing upon questions at L.H. Depot.

Sir: — In reply to your letter of April 11th, I have to say that the regulation referred to, does not include Engineering operations carried on at the Light House Depot.

Apl. 16 From Engineer Secretary, Maj. O. M. Poe, U.S.E. To Acting L.H. Engineer, Jos. Lederle, Tompkinsville, N.Y. Workshops - plans for -

Sir: — The drawings of the proposed building for workshops, embodying the views of the Committee on Engineering as understood by you, require some further attention, and you are therefore requested to prepare and forward new drawings modified in accordance with the following suggestions, viz: —

1. The iron floor beams are spaced only 3 feet apart from centre to centre. They may be if desired placed as much as 6 feet apart.
2. The rafters, instead of being 3 feet may be if desired as much as 6 feet apart. You will use your judgment in the matter.
3. The floor-beams in the hall should run across the hall, so that the floor built upon them may serve as a central abutment for the other floors on the same plan.

4. a beam should receive the thrust of the arches, instead of their abutting directly against the wall of the building.
5. Tie rods of wrought iron should connect the beams of each floor.
6. The foundations for the iron columns supporting the girders, should be spread, to cover as great a surface as the building material will permit, by making the offsets in the masonry equal to the thickness of the stone or brick used.
7. To convey steam power to the different stories, it is probable that the system now used in the workshops of Althaus & Co., No 144 Green Street, New York, and many others where the steam is conducted through pipes from the boiler to small cylinders, to each of which belongs its own valve gear, governor, &c., and placed in the rooms where wanted, thus dispensing with shafting, drums, &c., will be found to be the best. You will please visit the establishments referred to, for the purpose of gaining all the information you can upon the subject. Doubtless, either Mr. Althaus, or Mr. Lenard (who is associated with him,) will take great pleasure in giving you the desired information, and showing

1868. the advantages of this mode of conveying steam power.

8. On the same establishments, you will give your attention to the details of smith's forges, with a view to securing adequate and convenient space for the bellows, anvils, water-troughs, furnace-hearths, and smoke flue, with its hood to prevent smoke in the shop and other parts of the building.

9. A system of interior buttresses to stiffen the exterior walls, is also required.

10. Cannot the roof and windows be so arranged as to take away the appearance of being crushed, which the elevation of the building now presents?

11. The arrangement of the chimney stack, &c., proposed in your letter of the 1st April, and illustrated upon Sheet II of the drawings which accompanied that letter, is approved, unless something better can be devised.

12. The construction of the roof is faulty. The purlins should not be cut into.

It is suggested that you consult the Phoenix Iron Works of Philadelphia, and other roof-making establishments with a view to getting from them a project for the roof, together with an offer to construct it.

1868. Apl 21.

Apl 21.

Apl 23.

Apl 25.

1868. Apl. 21. From Chairman, Rear Admᵗ H. B. Shubrick, U.S.N. To Acting L.H. Engineer, Jos. Lederle, Tompkinsville, N.Y. — Workshops L. H. Depot — work authorized.

Sir: — Your letter of April 18th relative to building workshops at Light House Depot at Staten Island, is received.

You are authorized to proceed with the work, being careful not to incur any obligations which the funds available cannot meet.

Apl 21. From Chairman, Rear Admᵗ H. B. Shubrick, U.S.N. To Acting L.H. Engineer, Jos. Lederle, Tompkinsville, N.Y. — Canal boat (sunk) — raising of, authorized.

Sir: — You are authorized to raise the canal boat sunk in the basin at the Light House Depot, as requested by your letter of April 8th.

Apl 23. From Engineer Secretary, Majᵗ O. M. Poe, U.S.A. To Acting L.H. Engineer, Jos. Lederle, Tompkinsville, N.Y. — Vouchers approved.

Sir: — The vouchers enclosed with your letter of the 20th instant, are herewith returned approved.

Apl 25. From Chairman, Rear Admᵗ H. B. Shubrick, U.S.N. To Com. A. T. Case, U.S.N., New York. — Illuminating apparatus — Free entry authorized.

Sir: — The Collector of Customs at New York has been instructed by the Department to admit to free entry, the forty four cases of Light House

1868. the Board upon the subject of the duties of Inspector and Engineer at the Lt. House Depot Staten Island.

For enclosure see Vol. 4, p. 194, Board Journal.

May 8. From Engineer Secretary, Maj. O.M. Poe, U.S.A. for Chn. apparatus surplus or defective. Circular ref.
To Capt. G.L. Case, U.S.N., New York.

Sir: I transmit herewith a copy of the circular letter, relative to sending surplus or defective apparatus in the charge of the Light House Inspector of the Third District, which was sent to the Inspectors and Engineers of all the Districts, under date of December 2, 1865.

For enclosure see Vol. 3, p. 417, Record of Letters to 3d Engr.

May 9. From Engineer Secretary, Maj. O.M. Poe, U.S.A. Oil-vaults construction.
To Acting Lt. Engineer, J.S. Lederle, Tompkinsville, N.Y.

Sir: You will cover the oil vaults with a coating 3/4 of an inch thick of common lime mortar, having as large a proportion of sand as can be used without seriously injuring its adhesiveness, before putting down the felting and asphaltum.

The necessity for this arises from the fact that wherever asphaltum and hydraulic cement come in contact, the asphaltum is destroyed.

1868. The plans are herewith enclosed to be returned to the parties by whom submitted. 1868.

July 25. From Engineer Secretary, Maj. O.M. Poe, U.S.A. To Acting L.H. Engineer, Jos. Lederle, Tompkinsville, N.Y. Vouchers approved.

Sir: — The vouchers enclosed with your letter of the 23rd instant, are herewith returned approved.

July 28. From Naval Secretary, Rear Admiral A.G. Harwood, U.S.N. for Chief Burner & Fountain to be shipped to 8th Dist.

To Com. A.L. Case, U.S.N., New York.

Sir: — You will please send to Lieut. M.D. McAlester, Light House Engineer at New Orleans, Louisiana, the burner and fountain combined, described in the copy of a letter herewith enclosed.

For enclosure see Vol. 232, p. 7, Letters Recd.

July 30. From Engineer Secretary, Maj. O.M. Poe, U.S.A. To Acting L.H. Engineer, Jos. Lederle, Tompkinsville, N.Y. Vouchers approved.

Sir: — The vouchers enclosed with your letter of the 29th instant, are herewith returned approved.

July 30 From Engineer Secretary, Maj. O.M. Poe, U.S.A. To Acting L.H. Engineer, Jos. Lederle, Tompkinsville, N.Y.

Sir: — Your communication of the

1868. 28th instant has been received, and your inference that the plan of iron roof for workshops at Staten Island Depot, proposed by you on the 27th of May last, was unintentionally returned to you, is correct.

But the plan referred to is not approved in all its details. The struts which connect the rafters with the system of beams and columns, are shown as "flats" of wrought iron, 2" × 3/8": these struts should be of T iron placed back to back, or of one piece of + cross section, wrought iron.

Referring to the section of the building, the position indicated for the tie rods connecting the beams, is not considered the best. They should be placed lower down, so as to take up the thrust of the arches. The proper point is about one third of the height of the beam, measured from the lower side.

The supporting columns of the building should be of cast iron, and not of the rolled iron, the peculiar advantage which is claimed for the latter not being clearly seen.

There is no objection to your calling for offers for the iron work, whenever you are ready. The offers, after being examined by you, should be submitted with your comments and recommendations for the action of the Board, and bidders ought to be given clearly to understand that the

1868 Board will not consider itself bound to accept any of the offers, should it appear to be the interest of the Government to decline them all.

July 30. From Naval Secretary, Rear Adm'l G.J. Harwood, U.S.N. for Chm. To Com. A.K. Case, U.S.N., New York. — Burners & chimneys to be shipped to 5th Dist.

Sir: — You will please send to Com. J.M. Berrien, Light House Inspector, Norfolk, Virginia, four (4) First order burners, and two (2) First order sheet iron chimneys and dampers, according to samples stated to have been sent you

Aug. 10

Aug. 1. From Engineer Secretary, Maj. O.M. Poe, U.S.A. To Acting L.H. Engineer, Jos. Lederle, Tompkinsville, N.Y. — Vouchers approved.

Sir: — The vouchers enclosed with your letter of July 31st, are herewith returned approved.

Aug. 10.

Aug. 7 From Engineer Secretary, Maj. O.M. Poe, U.S.A. To Acting L.H. Engineer, Jos. Lederle, Tompkinsville, N.Y. — Workshops, Staten Island. wooden sashes authorized.

Sir: — Your letter of August 1st, relative to construction of workshops at Staten Island, is received.

The wooden sashes are authorized.

Aug. 10

1868 Aug. 8.

1869 authorized to enter into contract accordingly, with yourself to superintend the execution.

Oct. 30 From Chairman, Rear Admiral R. B. Shubrick, U.S.N. Staten Island Dept introduction of gas.
To Com. C.S. Boggs, U.S.N., Tompkinsville, N.Y.

Sir:— The Board transmits herewith a copy of a letter from the Acting Engineer of the 3rd District, in regard to the introduction of gas into the grounds, offices, workshops, &c., of the Depot at Staten Island, according to a plan a copy of which Mr. Lederle will furnish from the original in his Office. You are authorized to enter into contract with the Richmond Gas Light Company upon the terms communicated in Mr. Lederle's letter, the work to be executed under the personal supervision and inspection of Mr. Lederle.

The Board in authorizing the acceptance of the proposition to introduce gas into the grounds, &c, at the Staten Island Depot, ordered that there shall be one gas meter of sufficient capacity for measuring all the gas used at the offices, workshops and grounds, and that the gas for the Inspector's and Engineer's dwellings be led from the mains outside of the public meter, through a meter in each of the two dwellings and the gas consumed in these dwellings to be paid for by the occupants for the time being.

For enclosure see Vol. 246 - p. 320 - Letters Rec'd.

1869. Nov. 1.

1870 Sept. 17. From Engineer Secretary, Maj. C. H. Elliot, U.S.A. To L.H. Engr. Gen. J.C. Woodruff, U.S.A., Tompkinsville, N.Y.

Law of July 12, 1870 – Letters rec'd. sent for file –

Sir: – Herewith you will find a printed copy of a letter dated August 1, 1870, from the Board to the Hon. Secretary of the Treasury concerning the Law of the 12th of July, 1870. This should be filed with the answer dated the 9th August, 1870, which has already been sent to you.

Also printed copies of a letter from the Board to the Hon. Secretary of the Treasury, dated September 9th, 1870, and the reply to the same dated 10th September, 1870.

Sept. 20. From Chairman, Rear Adm'l R. B. Shubrick, U.S.N. To L.H. Engr. Gen. J.C. Woodruff, U.S.A. Tompkinsville, N.Y.

Blacksmith's Shop – to be fitted up with tools –

Sir. – You are requested to fit up the Blacksmith's Shop in the new building at the Depôt with the tools required, getting competitive tenders therefor from several firms. The following is a list which has been forwarded by Admiral Boggs:-

1 Patent Peterson-Forge with Patent Sturtevant Blower.
1 Bellows.
1 anvil of 300 lbs. wrought iron.
2 Solid Cast-Steel Sledge Hammers.
2 " " " Hand Hammers.
2 " " " Set Hammers.
2 Set of Iron Double Gauges with Steel face.
7 " " Cast Steel " " "

June 5.

1870. 3 Cast Steel Cold-Chisels.
3 " " Fullers.
8 " " Punches.
13 Pair Wrought Iron Tongues.
1 Wrought Iron Coal Shovel.
1 " " Hook.
1 " " Poker.
27 Wooden Handles.

— Enclosed is a Tender for these articles from one firm, which was forwarded by Admiral Boggs.

The tools will be paid for on two vouchers, one on account of "Repairs, &c.", and the other on account of "Buoys, &c.", as nearly equal in amount as the cost can be divided.

For enclosure see Vol. 271. p. 508. Letters Rec'd

Sept. 20. From Naval Secretary, Rear Adm'l T. A. Jenkins, U.S.N. Lamplist for 12th Dist.
To Rear Adm'l C. S. Boggs, U.S.N., Tompkinsville, N.Y.

Sir:— In reply to your letter of the 19th instant, relative to Lamplist to be sent to the 12th Light House District, I have to say that as soon as we hear from California in regard to the Lamp Shop, place for the Lamplist, &c., &c., Mr. Crossman will be informed in regard to all matters relating to his going out to that Coast.

1872 apl. 8. From Naval Secretary, Rear Admiral C. S. Boggs, U.S.N. Chimney Lights — 1st & 2nd order Lights approved. 1872 apl. 16

To L. H. Engr Bvt. J. C. Woodruff U.S.A., New York.

Sir: — In reply to your letter of the 6th instant, I have to say that the chimney lights are approved for first and second order lights only.

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apl 9. From Chief Clerk, A. B. Johnson

To L. H. Engr Bvt. J. C. Woodruff U.S.A., Newyork. Non-entry of Panel authorized. apl 16

Sir: — I have to inform you that the Collector of Customs at New York has been instructed by the Department to admit to free entry, &c., the case containing panel imported per Steamer "Denmark."

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apl 13. From Chief Clerk, A. B. Johnson for Engineer Secretary. Depot grounds. Building to be occupied by Inspector. apl

To L. H. Engr Bvt. J. C. Woodruff U.S.A., Newyork.

Sir: — You are hereby informed that the Inspector of the District will on the 1st proximo, occupy the house at the north end of the Depôt grounds. He will confer with you as to any repairs and modifications which should be made; and you will please prepare a list and an estimate thereof, and submit them to the Board for its approval.

If the building is now occupied by any person, he should be notified as soon as possible.
