Ch1 - Ap. 30, '94

337.

M.M.B.

(All communications should be addressed to "THE LIGHT-HOUSE BOARD.")

Treasury Department,

1 Enclosure and
Sep. Package.

Office of the Light-House Board,

Washington, 28 April, '94

Lieut. Col. J. A. Smith, U. S. A.,

Engineer 10th L. H. District,

Cleveland, Ohio.

Sir:

Referring to your letters of Feb'y 9 and April 20, forwarding designs for the front and rear beacons of Grassy Point (Manhattan) Range lights, Ohio, I have to inform you that the Committee on Engineering has submitted the following recommendations thereon:-

1. "In view of statements as to the effect of the ice at site of front beacon, contained in the 10th Engineer's letter of April 20, 1894, the Committee on Engineering has reconsidered its recommendation for a crib foundation presented to the Board at the meeting of March 7, 1894, and now recommends that the foundation of the front beacon be made of nine oak piles in 3 bents of 3 piles each; surrounded by stone rip-rap, rising to a height of 2 feet above mean water line; the piles to be cut off below lowest water level; and to be capped by cast-iron sleeve piles filled with concrete; the tops of the cast iron piles to be held together by channel

beams (two channels to each bent) on which the wooden superstructure shall rest; all as shown on tracing herewith. The estimated cost of the iron work of the foundation is $875.60.

2. As regards the lantern floor and means of access thereto, the Committee on Engineering adheres to its recommendation that the floor and railing be of wood instead of iron, but has no objection to the substitution for the straight ladder and trap-door, of a wooden stairway arranged in two flights of steps, one on each of two sides of the tower, with headway and service table arranged as proposed by the 10th Engineer."

These recommendations will not be acted upon by the Board until its meeting on May 7; but you are now informed of the recommendations, and probable action of the Board, in order to avoid delay and to enable you to make preparations for the work.

Twelve blue prints showing the arrangement and details of the iron work of the foundation of the front beacon, are sent you in a separate package. An estimate of the cost of the iron work is enclosed herewith.

To assist in preparing the specifications, photolithographs and specifications of the metal work for the East Face Wharf at the Light-House Depot, Tompkinsville, N. Y., are sent you in the same package.

Your recommendation of Feb'y 9, that the beacons be built by

contract, the advertisement to be by posters and circular letters, is approved.

You are requested to prepare the advertisement and specifications, and forward them to the Board for approval, as soon as practicable.

Respectfully,

Captain, Corps of Engineers, U. S. A.,

Engineer Secretary.