Specification of work to be performed in erecting & completing a Beacon on the Round Shoal at the mouth of East River, agreeable to the accompanying drawings: To drive a sufficient number of piles to ensure a good bearing and firm root foundation for the whole superstructure; the piles to be driven with a ram, weighing not less than 1200 lbs, to fall at least 20 feet perpendicular, the blows of the ram to be repeated until the pile settles less than two inches at each blow; the piles to be cut off so low in the water at the lowest ebb tide as practicable, & covered with timber, & then covered with Planks three inches thick & well spiked down, the piles and coverings to correspond with the drawings. To furnish suitable bollard stone & pile in every part between the piles, to the center line of the platform, and continue the same in every direction all around the Beacon, distant from the bow of the vessel to the plate in a ring or inclosure of 22 feet. The Beacon to be constructed of good Granite stones, or made outside; to be built in joints of the quality of which is to be ascertained by report as the work of the Light House on Saddle Back-Ledge, State of New York.

The lower to be 24 feet diameter, with the exception a portion four to be taken off the lower edge of the Beacon, as shown on the plans, to be three feet diameter at top, to consist of eight courses of stones of two feet nine inches, one course of three feet six inches, the six lower courses to be lined with four stones each of equal dimensions, the three upper courses consisting of one stone each. The six lower courses to be bonded in such manner that the middle of each stone should lie over the joint of the course below; likewise to be cut in the stones to receive the pegs as represented on the plan, & thereby there are to be four pegs in each of the six courses, to be driven into the blocks of granite, 4 inches to be in the upper and 3 inches in the lower courses. The whole to be built in good Hydraulic cement; the whole height of the Beacon is to be 35 feet 7 inches above.
Above the platform, 12 ft. as above described consisting in the balcony to be of oak, as follows, the shape to conform to the drawing & the pillar to be hollow, 10 ft. 6 inches in length & covered by a cover one foot 1 inch in height; the part below the column to be 5 foot, inches & the part above to be 3 ft. 6 inches. A solid flange is to be made at the top of three inches thickness & one foot circumference in diameter, the bottom of the lower piece is to be made with a solid flange of two inches in thickness & three foot diameter through which a bolt is to be passed of wrought iron 1 1/2 inches in diameter running down through the upper course of stone & forming on the bottom as shown in the drawing, a sufficient number of wrought iron bolts to be driven in to the upper course of stone through the lower flange. A gusset bar is to be provided of wrought iron diameter to consist of 2 ft. 6 inches meeting at top & bottom & a bolt passing horizontally round them at the middle of the height of the bell, on which bolts are to be cast raised letters & inscribed with the words & on each side & in the middle & in the name to be black.

The parts of the stone to be cast solid & in the same piece with a solid bolt to secure them as seen by the drawing. The whole of the iron shank to be painted black & the ribs of the ball red with the bolt around the middle white & lettered letters in the same to be black.

According to the foregoing constraint, to cut.

There is to be a bottle of solid iron 2 wide with 1 1/2 ft. 5 inches second to the top course of stone by a bolt each one inch in diameter & driven into the stone 2 inches with a blind groove at the bottom of each. Also a bolt to be passed through the centre of the plate of wrought iron 1 1/2 foot in diameter, running down through three upper courses of stone & conform to the bottom.
as shown in the drawing. The center edge of the bottom plate is to be chamfered down to \( \frac{1}{4} \) of an inch as shown on the plan.

The pillar is to be secured to the bottom plate by a bolt on each end. The bolt on the outer side of the pillar is bolted to the bottom plate by a bolt on each end in the center. The pillar is secured by a head on one end and a screw on the other.