Nov. 13th 1856 From Engineer Secretary Lieut. Jno. G. Parke. U.S.A. Buffalo & Dunkirk towers. lenticular apparatus of 3d order for.

Sir — It has been determined to substitute for the present reflector apparatus in the towers at Buffalo and Dunkirk, lenticular apparatus of the 3rd order which will be furnished you together with the lanterns so that they can be fitted and lighted on the opening of navigation in the Spring. The apparatus and lanterns will be ordered from France, & as soon as the drawings are received copies will be sent to you.

The arrangement of the lantern and watch-room differ in many instances, but the dimensions in the main

are as follow.

Height of focal plane from lantern deck	9'. 4½"
Height of pedestal from lantern deck	5'. 8"
Interior diameter of watch-room	7ft. 4"
Exterior " " "	9". 8"
Height from lantern deck to lower edge of glazing	7'. 1.
Height of glazing	5. 8

The plan of the lantern is a decagon the shortest diameter inside the glass being 8'. 3"

These dimensions are taken from drawings of lanterns designed for the California Coast and they may serve you as guides in determining the amount of material necessary for the walls of the watch-room &c.