

round lantern, six feet in diameter. They are as clear as crystal, and made of the purest white glass. Many pieces being destroyed or laid aside from flaws before a perfect lantern can be put together; months are consumed in their manufacture. These lights are very powerful, and in keeping with any in the world, excepting the electric light only, and many navigators say they are seen as far off, and are very much less expensive. So long as a few lights were called for, the country could stand such expense, but, as our great shipping resources became developed, and wrecks more numerous, a demand was made for increased protection. Petroleum afforded a powerful medium for illuminating purposes, and a very much cheaper lighting apparatus was found reliable in the Catoptric Light, and easily managed; they are built in Canada, at Montreal, by Mr. E. Chanteloupe, whose exhibit at the last Paris Exhibition entitled him to first prizes and the decoration of the Legion of Honor. So much for home manufacture. And now our coast is dotted with fixed and revolving lights, both on its South and North Shores.

Many of the most important of these lights, seen as far off as the one on Belle-Isle, have only cost from \$3,000.00 to \$10,000.00, and ten to fifteen light-houses are now put up at the cost of one formerly. Next in importance, and in fact in thick weather of the greatest importance, is the system of fog signals, on shore, and on board of light-ships. These instruments are heard from three to ten miles off, according to state of the wind and atmosphere, and the confiding mariner, sure that he is in the right course, is often wakened to a sense of his danger by the blast of the fog horn, sound of the whistle, or boom of the cannon, when all haste is made to change the course, which was leading him on to destruction. Many a ship captain has related to me how he was saved by such timely warning, and expressed his gratitude for the fostering care of the Government in placing such admirable signals for his protection.