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wick lamp and parabolic reflector were developed around 1781 in Europe and deployed on the Cordouan lighthouse in France in 1782, with a rotating element being added in 1790. In the U.S., whale oil was used with wicks as the source of light until the Argand parabolic reflector system was introduced around 1810 by Winslow Lewis. Colza oil replaced whale oil in the early 1850s, but U.S. farmers' lack of interest in growing this caused the service to switch to lard oil in the mid-1850s. Kerosene started replacing lard oil in the 1870s and the lighthouse service was finally converted by the late 1880s. Electricity and carbide (acetylene gas) began replacing kerosene around the turn of the 20th century.<sup>[1]</sup> Carbide was promoted by the Dalén light which automatically lit the lamp

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