

1890
— *Ahnapee Range-Lights, Lake Michigan, Wisconsin.*—The city authorities have for several years maintained a light here. In view of the quantity of commerce which seeks this harbor a regularly established and maintained light is needed for the protection of commerce. The Board considers that a pierhead tower light should be placed on the northern of the two piers constituting the harbor some 200 feet from its outer end, and that a post light should be constructed at the end of the pier, the two to be used as a range for entering the harbor. This can be done for a sum not exceeding \$2,500, and the Board recommends that an appropriation of this amount be made therefor.

1891
1035. *Ahnapee Pierhead, Lake Michigan, Wisconsin.*—The act approved March 3, 1891, appropriated \$2,500 for range or pier lights at this entrance. These will be erected this season.

1892
1253. *Ahnapee Pierhead Range, Lake Michigan, Wisconsin.*—Plans and estimate of cost were made for the structures of the new range lights. The station was ready for operation at the end of the fiscal year, with the exception of the illuminating apparatus, which had not arrived.

1893
1328, 1329. *Ahnapee Pierhead Range Lights, Lake Michigan, Wisconsin.*—A bridge was built to connect the detached cribs upon which the lights are shown with the shore cribs. The framing of the wood-work was done at Manitowoc and from there shipped to Ahnapee. A portion of the stone filling of the piers was removed, and a timber 12 inches square was bolted to the cross-ties for a foundation upon which to erect the bridge bents. The bridge is raised 10 feet above the piers, and is approached by stairs at each end. The illuminating apparatus for these ranges was set in position on December 23, and tested, and the station was left in readiness for lighting. The lights were exhibited for the first time March 1, 1893.

1894
1371. *Ahnapee Pierhead, rear, Lake Michigan, Wisconsin.*—A wooden oil house was built.

1895
1430. *Ahnapee Pierhead (rear), Lake Michigan, Wisconsin.*—A fifth-order lens was substituted for the lens lantern on June 5, 1895.

1897
1545. *Ahnapee Pierhead Range (rear), Lake Michigan, Wisconsin.*—An elevated walk 400 feet long was built. Minor repairs were made.

1899
462, 463. *Ahnapee pierhead range, Lake Michigan, Wisconsin.*—The timber for an extension of 338 running feet of elevated walk was received, and the work of framing the bents, etc., was well advanced.

1900 474, 475. Ahnapee pierhead range, Lake Michigan, Wisconsin.—
The material for the extension to the elevated walk was purchased and delivered at Racine, where the timber was framed by a working party at that place and transported to the station by the tender *Arcadia*. The boathouse was moved to the inner end of the pier, 112 running feet of elevated walk was built, making 312 feet of new walk, and minor repairs were made. A bridge joining the detached piers was abandoned and the elevated walk was reconstructed across on a line of spring piling, joining the two portions.

1902 524-525. Ahnapee pierhead range, Lake Michigan, Wisconsin.—An improved fifth-order lamp was installed in the rear light.
The range lights constituting this station are on the outer end of the north pier at the entrance to Ahnapee Harbor and River, westerly side of Lake Michigan, Wisconsin. The range consists of two fixed red-post lanterns, which form a range showing the direction of the course for entering the harbor. There is no dwelling on the pier for the keeper. The station is at quite a distance from any available dwelling, and on the opposite side of the entrance to the harbor. A dwelling should be provided for the keeper, that he may reside sufficiently near the lights to give them proper care. It is estimated that a suitable keeper's dwelling can be erected for \$3,500, and the Board recommends that an appropriation of this amount be made therefor.

1903 548-549. Ahnapee pierhead range, Lake Michigan, Wisconsin.—
The following recommendation of the past three years is renewed:
292 This station consists of two lights on the Government pier, but there is no dwelling for the keeper. It is estimated that an appropriate structure can be erected for \$3,500, and it is believed that a site for the dwelling can be obtained without cost to the Government. It is recommended that an appropriation of the above amount be made for the purpose.

1904 548-549. Ahnapee pierhead range, Lake Michigan, Wisconsin.—
The following recommendation of the past four years is renewed:
This station consists of two lights on the Government pier, but there is no dwelling for the keeper. It is estimated that an appropriate structure can be erected for \$3,500, and it is believed that a site for the dwelling can be obtained without cost to the Government. It is recommended that an appropriation of the above amount be made for the purpose.

1905 548-549. Ahnapee pierhead range, Lake Michigan, Wisconsin.—
The following recommendation of the past five years is renewed:
This station consists of two lights on the Government pier, but there is no dwelling for the keeper. It is estimated that an appropriate structure can be erected for \$3,500, and it is believed that a site for the dwelling can be obtained without cost to the Government. It is recommended that an appropriation of the above amount be made for the purpose.

1906 546-547. Ahnapee pierhead range, Lake Michigan, Wisconsin.—
The following recommendation of the past six years is renewed:
This station consists of two lights on the Government pier, but there is no dwelling for the keeper. It is estimated that an appropriate structure can be erected for \$3,500, and it is believed that a site for the dwelling can be obtained without cost to the Government. It is recommended that an appropriation of the above amount be made for the purpose.