

ANNUAL REPORT OF THE OF ENGINEERS UNITED STATES ARMY TO THE SECRETARY OF
WAR FOR THE YEAR 1880 IN THREE PARTS PART III
WASHINGTON GOVERNMENT PRINTING OFFICE 1880

APPENDIX G G

page 2027

GG 10
IMPROVEMENT OF SAUGATUCK HARBOR MICHIGAN

No work has been done at this harbor during the past fiscal year An examination of the harbor early in 1880 developed the fact that the channel between the piers and mouth of the harbor was in better condition than the channel above.

Accordingly by letter, dated February 28, 1880, I applied for and received authority to suspend pier extension which was contemplated and devote the existing balance of appropriation to restoring the channel at the first bend of the Kalamazoo to a depth of 10 feet and to securing it from further invasion of the sand by catch-sand fences and revetments.

Upon closer examination of the harbor this project was found to be of such magnitude as to make it advisable to wait until the comparatively small balance of appropriation was re-enforced by the appropriation of 1880-'81. This appropriation of \$5,000 having become available proposals have been invited for constructing a portion of the revetment necessary to arrest the encroachment of the sand upon the channel. The revetment will be built in 1881.

The necessities of the harbor of Saugatuck are so great and so varied that it is hard to decide where further appropriation is most needed.

The piers sadly need repairs; the outside bar demands that they should be extended the encroachment of sand on the channel above calls loudly for revetments and catch sand fences, to an extent which can only be properly determined as the work progresses; and lastly, but not least important all of these projected improvements are useless unless dredging is done in the river above to enable vessels making the harbor to reach the landings at the town above.

Under these circumstances I respectfully ask for an appropriation of \$20,000 to be expended upon such of the improvements above enumerated as may appear most pressing when the money becomes available, and I also respectfully recommend that a survey of the Kalamazoo River from Saugatuck to its mouth be provided for in the next appropriation bill to enable me to ascertain more definitely what the real necessities of this harbor are and where best further appropriation can be applied.

I am convinced that a complete revision of the project of improvement is necessary before further improvement is undertaken to any great extent.

This work is located in the Michigan collection district Michigan It is situated at the Kalamazoo light The nearest port of entry is Grand Haven, Mich. Revenue collected \$600.

STATEMENT OF VESSELS ENTERED AND CLEARED FROM JUNE 1, 1879 TO JUNE 1, 1880.

Entered:

Number 206

Tonnage 30,776

Cleared:

Number 203

Tonnage31,083

Original estimate 1866 modified 1869 \$86,398.56

Whole amount appropriated from 1868 to 1880 inclusive .. \$110,439.69

Amount expended \$102,973.59

Reason for excess of cost over original estimate, modification of project demanding a larger expenditure. Probable additional sum required for completion of work can not be determined until a resurvey is made. Amount required for permanent completion of work indeterminate at present.