

Speaking of the vicinity of Green Bay Mr. Kumlein says: "Five years ago Chambers Island supported nine pound nets, doing a good business. Now there are but two, and those did not pay expenses the last year. In 1873, Mr. Minor alone sold to two firms, one in Chicago and one in Buffalo, \$19,571.95 worth of salt fish, and \$700 worth of fresh fish. At the same time a Cleveland firm on Washington Island did more than double this business. At the present time none at all are shipped from these same grounds which once yielded such a revenue. Prior to 1873, the average shipments per week from May to July was 700 half-barrels, worth on an average \$4. About 1874 the greatest decline was appreciable, and then the fishing suddenly dropped off entirely."

"From 1870 to 1873 between 60 and 100 tons were shipped from Fish Creek, and all taken within a radius of ten miles. These were worth four cents a pound to the fishermen on the ice."

V. *The crisis.*—If the facts heretofore presented establish the allegation that (1) the number of pounds of fish caught has been maintained, but (2) by enormously increased and effective facilities, (3) that large fish are seldom caught and that the small ones have not been allowed to survive, so that (4) already many fishing places have entirely failed up, it cannot be denied that a crisis has been reached such as seriously to alarm all who are interested in these lake fisheries.

VI. *The remedy.*—The great efficiency of apparatus which has been reached will remain. We do not retrograde. Men will still use the powerful appliances which they have discovered. But it is possible for the neighboring States to regulate by law the size of the mesh and some other minor details. This some of the States have attempted, and no doubt others will imitate them. It is also greatly in the interest of certain localities to prevent the pollution of their waters with sawdust, decayed lumber, offal, &c.

Artificial propagation has already been attempted on a limited scale and the methods pretty well worked out. It is believed that if carried on extensively it may become a very powerful factor in the remedy desired.

EXTRAORDINARY FLOODS IN THE POTOMAC RIVER.

By GEO. R. MARQUETTE.

[Extract from letter to Prof. S. F. Baird.]

To the best of my knowledge the heights of rivers at this point in the flood of 1870 were 28 feet 6 inches above low-water mark; this was on the 30th day of September. In the flood of 1877 the greatest height was 29 feet 9 inches above low-water mark; this was on the 25th day of November. This flood was the highest ever known in this town.

HARPER'S FERRY, W. VA.,

January, 17, 1882.