

mered-down sheets and strips of copper fish hooks were manufactured.

In 1884 Charles L. Mann, of Milwaukee, presented a Wisconsin copper fish hook to Charles Rau, who was then compiling his Smithsonian treatise on "Pre-historic Fishing." Although Mr. Rau at that time knew of the existence of several copper fish hooks in the United States, Mr. Mann's specimen was the only one he could obtain.

Mr. Mann described its mode of manufacture so well that Mr. Rau quoted his words as follows: "It is made of copper, hammered thin, and rolled just as one would roll up a piece of paper by carefully beginning at the edge. It is not only an entirely unique and heretofore unnoticed method of aboriginal workmanship, but also in the nature of corroborative evidence that all our copper implements were produced by hammering."

This hook, which had a swelling shank, perhaps produced intentionally for the purpose of affording a hold to the line, was found, together with a copper awl, in loose white sand near the mouth of the Oconto river at Green Bay. The consistency of the soil no doubt accounts for their unusually good preservation.

That hundreds of fish hooks and fragments of possibly thousands of others have been collected from the aboriginal village and camp sites extending along the west shore of Lake Michigan at intervals from the north line of Milwaukee county to Kewaunee county, and possibly beyond, is the assertion of C. E. Brown in his monograph on "Native Copper Implements of Wisconsin." (Wis. Archeol., v. 3, no. 2)

Mr. Brown further states that copper fish hooks "have also been obtained in numbers from the village sites at Green Lake and at various other localities along the upper Wisconsin, Fox, Wolf and Little Wolf rivers and elsewhere in this part of the state where good fishing was to be had. Some have also been found far to the north along the Lake Superior shore.

"Most specimens are of small size, from less than an inch up to 2 inches in length. They are mostly circular, though sometimes decidedly square, in section. The points curve and slant outward and inward at all angles and degrees