

in Europe. They occur especially along the valleys of the Somme, the Seine, the Thames—but also, in many other regions. They have been the subject of voluminous discussion. In Brazil, stone implements have recently been described in large numbers from the gravels of the province Rio Grande do Sul. From caverns many relics have been obtained, which throw much light on the condition and associations of primitive men. Numerous other facts have been yielded from the bottoms of European lakes. It appears that the early inhabitants constructed their habitations on piles in the lakes, and communication with the shore was effected by a bridge which could be readily removed. Some of these piles still remain. Naturally, many articles used by the dwellers in these abodes were lost in the water and never recovered. Many thousands have been dredged up in recent times. Another source of light on primitive man is found in the sea-side accumulations of kitchen-refuse—piles of shells and bones and organic *débris* reaching several yards in length, and sometimes eight or ten feet high. These are the refuse of fishing villages. They contain implements, domestic utensils, and personal ornaments once belonging to the inhabitants. The peat bogs of Denmark and other countries give us other relics. From the mounds and other burial places much further information is obtained.

Among the relics of these early settlers in Europe, we find many stone axes—some rough and others laboriously polished. Flint arrow-heads and lance-heads are very common. Fish-hooks and other articles of bone occur in the lakes and the shell-mounds. Very numerous articles of bronze used for ornament are dredged from the lakes—brooches, bracelets, pins. Fragments of pottery occur in the lakes and shell-mounds. Woven cloth has been exhumed from some of the oldest deposits; and jars of dried apples and wheat, and even cakes, have been yielded from the pile-habitations. The older relics are rudest, as might be expected; and consist exclusively of stone and bone. Later, bronze came into use, and the workmanship was finer. Lastly iron became known.