

a handle. Keep it an inch or more below the top of the 4 x 4's and bottom of straight edge. If it is desired to have the floor slant in any direction, place the 4 x 4's accordingly. Sprinkle the stone before putting on the grouting and sprinkle the grouting before putting on the top coat. Level the top off by drawing the straight edge over it. This will require a man at each end. By tipping it backward so as to raise the corner a smooth surface may be made. In running it back take a little mortar before it. Fill the low places with a trowel.

After the main part of the floor has become hard, remove the 4 x 4's and fill in the sides. As soon as the surface can not be dented with the finger the floor should be sprinkled. After a day or two water may be thrown over by the pailful. When the floor is partly set, grooves can be made in it, one foot apart, by laying blocks on the 4 x 4's and plank on these, across the floor, so a man could drive a groover down beside the plank. This groover is made from three pieces of boards 4 feet long, two of them 2 inches wide and one a little wider and beveled on one edge, the widest one in the middle, all set on edge and nailed together.

SHIFTING SHORES OF ISLAND.

The continually shifting shores of the island at Toronto was the main feature of the evidence of Constable Ward in a recent Assize Court case. Mr. Ward gave a general review of the changes in outline of the Island since 1862. Points of land on which buildings were erected in those days now lie 1,800 feet south of the beach, in deep water. The general movement of the Island seems to have been shorewards, but according to Mr. Ward there are cases of the lake beach having been built up in places, as well as torn down in others. In 1874 a Mr. Montgomery occupied a shack 700 feet south of his present residence. This spot is now in deep water. "In 1862 the lake broke through at what is now known as the 'Eastern Gap,'" said Mr. Ward, "and this gap deepened so quickly that vessels could use it the same year."

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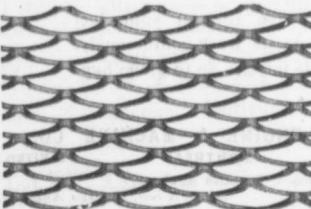
"Neat tests are of less value than those of the briquettes made with sand and cement. The fineness of the cement is important, for the finer it is the more sand can be used with it."

(Abstract from "Specifications for Portland Cement," issued by the United States Navy Department, June 12, 1905.)

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