

The iron framework of our largest dredge was 5 feet in length, and 1 foot 3 inches in breadth—its weight being 137 lbs. ; the next size, which was made much stronger, was 4 feet in length, 9 inches in breadth, and weighed 259 lbs. ; and the smallest was 3 feet in length, 1 foot in breadth, and weighed 85 lbs. The smallest size was commonly used for great depths ; with it we obtained a successful haul in 3875 fathoms.

The ship was provided with thirty-four dredges, eleven of which were expended.



FIG. 9.—The Deep-Sea Trawl.

*The Deep-Sea Trawl.*—Fig. 5 represents the deep-sea trawl, which we used almost constantly during the latter part of the voyage. A conical bag, 20 feet in length, is suspended by one side to a beam of hard wood, 16 to 20 feet long, by half a dozen straps. The other side of the mouth of the net hangs loose, and is weighted with close-set rolls of thick sheet lead to drag along the bottom. Two iron runners, like the runners of a