

net to catch and retain all that might come in its way; at the bottom of this bag a number of hempen swabs were generally secured so as to sweep along and bring up small animal life, coral, sponges, &c. These dredges after a time were set aside and replaced by the ordinary beam trawl used in shallow water around our own coast.

The operation of dredging or trawling, like that of sounding, is carried on from the mainyard, the dredge rope being rove through an iron block which is attached to the accumulator in the same manner as described for sounding.

For this operation it is necessary to use a much larger accumulator (Fig. 10), consisting of as many as seventy or eighty india-rubber bands, 3 feet in length, capable of stretching to nearly 20 feet when a force of $2\frac{1}{3}$ tons is exerted (that is, equal to the breaking strain of the $2\frac{1}{2}$ -inch rope)

The accumulator is secured to the masthead by means of a long pendant, and hauled out, or eased in, by a tackle at the end of the yard,

Fig. 10.

