

9 P.M. Hauling in took, therefore, six hours ten minutes, and the average rate was 24 metres per minute, or about a third of the speed at which Sigsbee hauled in his little trawl.

In addition to the trawl the "Michael Sars" can use lines and drift nets, in which respect she is equipped like an ordinary fishing steamer. The lines are passed out over the stern and hauled in amidships by means of the little after starboard winch, which is really the same as the little winch used for the hydrographical instruments. This is moved forward on the deck, and the lines are hauled in as in Fig. 27. Herring drift nets are

Lines and
drift nets.

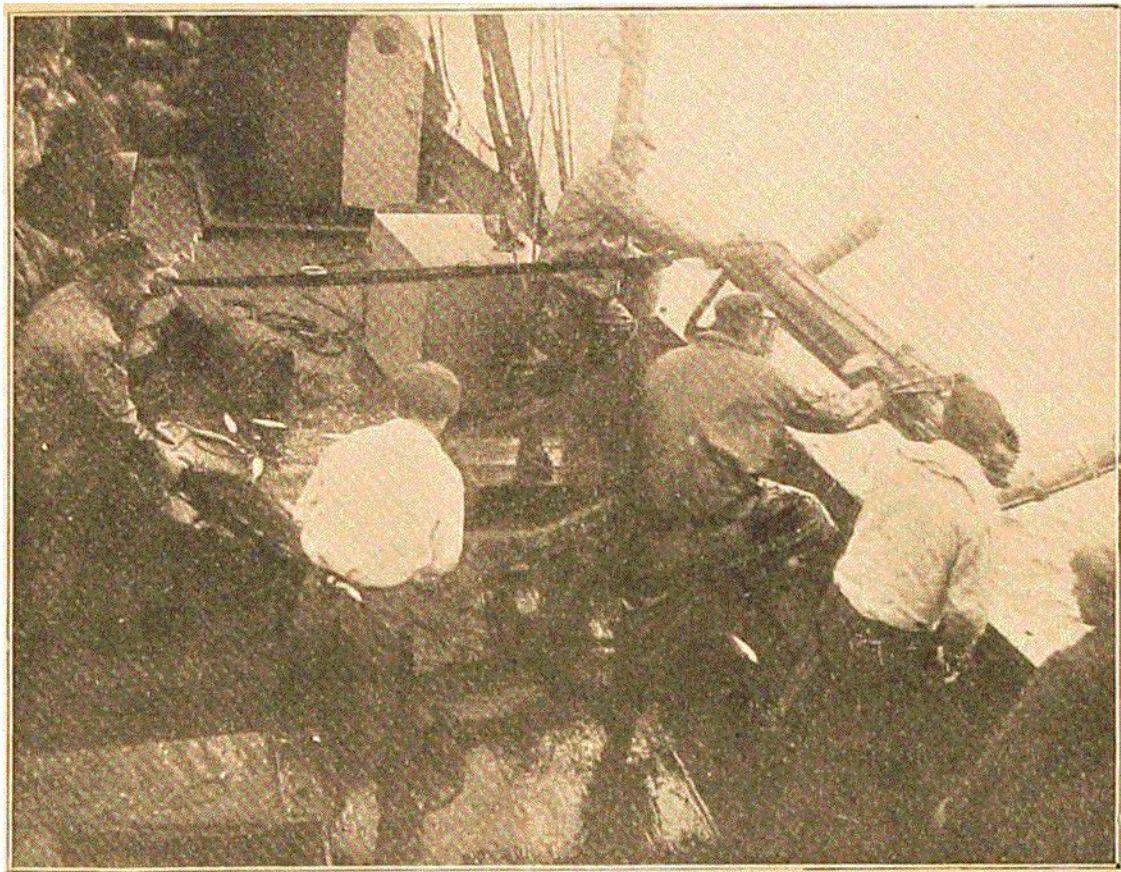


FIG. 28.—HAULING IN DRIFT NETS.

set from the stern; when all the nets are out the vessel swings round on the warp. This warp is hauled in by means of the large end-drum on the big winch and over the reel in the bows, and the nets are hauled over the side on to the fore part of the deck (Fig. 28).

As regards the net constructed by Victor Hensen (Fig. 19), a great deal of work has been devoted to studying its "coefficient of capture"; it is suitable for making quantitative studies of the occurrence of such plankton organisms as copepods, peridini, etc., but for other purposes it has little practical value. Its upper part is furnished with a canvas cone, which allows no water to filter through, and therefore offers an effectual resist-

Pelagic
appliances.