

the boom on the foremast, and is then led to the forward gallows (II).

Pelagic appliances, to be towed horizontally, are either fastened to the trawl wire like the trawl itself, or else the wire is led round a smaller winch (4), situated abaft the deck-house, and then paid out over the stern.

The vessel may thus tow both steel lines at the same time,

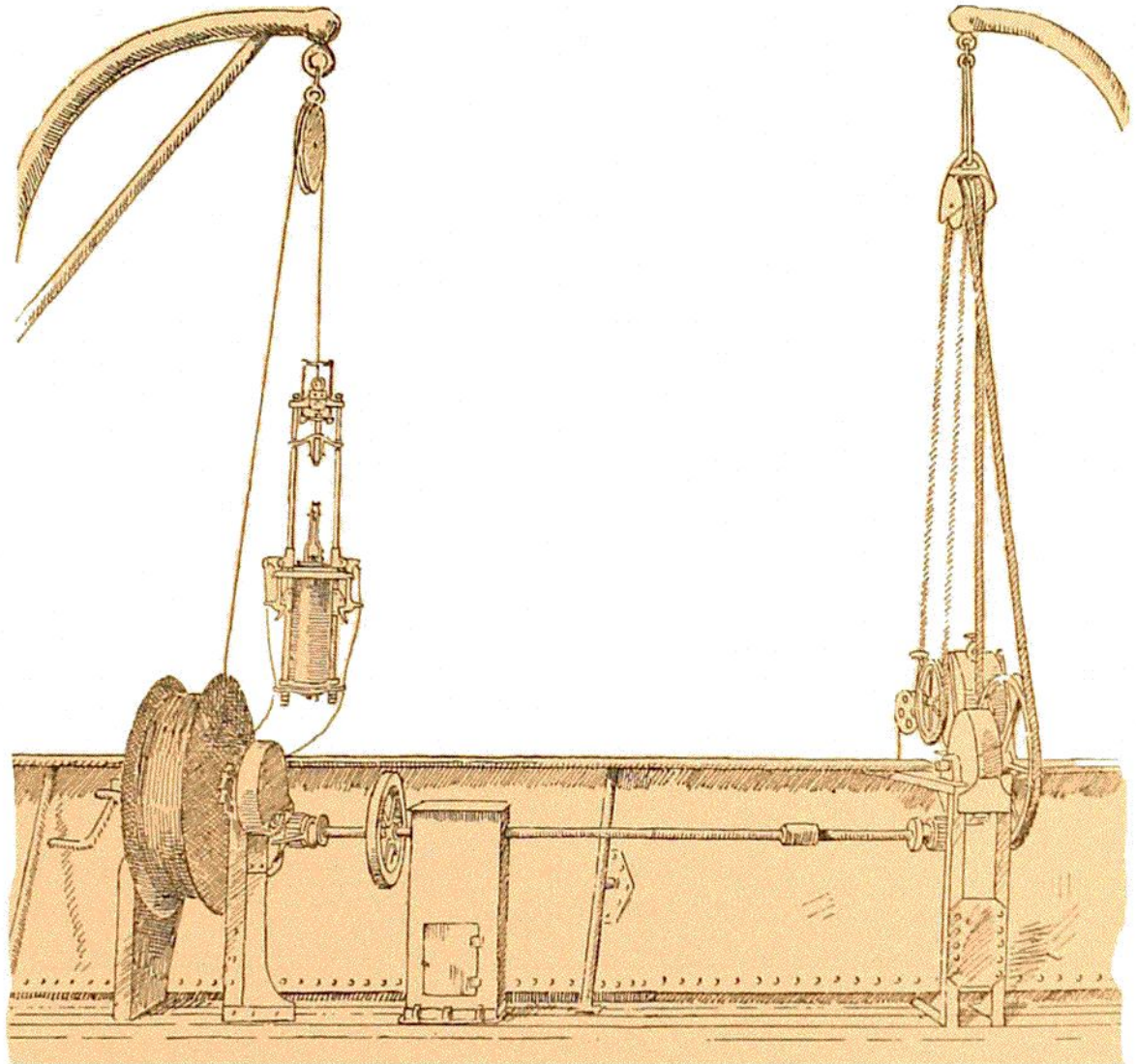


FIG. 22.—THE FORWARD STARBOARD WINCH.

and a number of appliances may be operated simultaneously. This mode of working differs in many ways from the system adopted in former expeditions.

Fig. 22 shows the forward starboard winch. The little Lucas sounding machine may also be seen, fastened quite simply to the rail of the ship, taking up very little space and requiring the attention of only one man. The large Pettersson-Nansen water-bottle, used for hydrographical observations at great depths, is also in a handy position. What simplifies matters