

and sails, managing a ship in stormy weather, taking in and making sail, shifting yards and masts, &c., and getting cargo in and out; especially heavy spars and weights, &c.; casting ship on lee-shore, and securing the masts in the event of accident to the bowsprit.

A MASTER must be twenty-one years of age, and have been six years at sea, of which one year must have been as First Mate, and one year as Second Mate; or two years as First and Only Mate.

In addition to the qualification for a First Mate, he must be able to find the latitude by a Star, &c. he will be inquired of as to the nature of the attraction of the ship's iron upon the compass, and as to the method of determining it. He must possess a sufficient knowledge of what he is required to do by law; as to entry and discharge, and the management of his crew; as to penalties and entries to be made in the official log. He will be questioned as to his knowledge of invoices, charter party, Lloyd's agent, and as to the nature of bottomry, and he must be acquainted with the leading lights of the Channel he has been accustomed to navigate, or which he is going to use. In cases where an applicant for a Certificate as Master ordinary, has only served in fore-and-aft rigged vessels, and is ignorant of the management of a square-rigged vessel, he may obtain a Certificate on which the words "*Fore and aft rigged vessel*" will be written. This however is not to apply to Mates, who being younger men, are expected for the future to learn their business completely.

AN EXTRA MASTER'S EXAMINATION is intended for such persons as wish to prove their superior qualifications. Before being examined for an Extra Master's Certificate, an applicant must have served one year either as a Master with an *ordinary certificate of competency*, or as a Master having a *first class certificate*, granted by one of the former Boards of Examination.

IN
will co
East I
to wo
determ
Star o
sun, a
must b
when
—to fi
altitud
artifici

He
deviat
of the
will be
Sailing
ledge;
lations
so far
those
and kn

In S
sist of
heave
abroad
and ou
for the
wreck
exami

The
ous pr
have b
hours
if they
failed,
the ti