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(5). TITLE.:- SCIENCE OF SHIPBUILDING.

Picture. :- Perhaps some of you have wondered how it is that passengers are not choked by smoke from the great funnels of big ocean liners. .... The explanation is simple. .... Experiments are made in this way, with models, until the designers are satisfied that the funnels are set correctly.....

Seaworthiness is, of course, a matter which engages very serious attention. .... Here is a model of the gigantic 73,000-ton liner, (which is now under construction), running at full speed through smooth water.

But - and how well some of us know it ! - it isn't always calm at sea, so they produce the equivalent of real "dirty" weather.

The ship runs into a 60-miles-an-hour gale - that's when I --

--begin to think that I was destined to be a land-lubber ! .... While this is going on, every movement of the vessel is carefully studied, so that they know just how she'll behave when the sea is particularly angry.

Now you know why it is that British-built ships hold their own on the seven seas. .... I expect most of us thought that they were just designed, built, launched, and left to take their chance. .... Now we know that brains play an extremely important part in ship construction.