

Steel Screw Steamer, Number not given, proposed to be built by Messrs.C.Hill & Sons, Bristol, for service in the Bristol Channel, with a view to class in the Society's Register Book.
Owners:- Messrs.Osborn & Mills Ltd., Bristol.

Rule Dimensions: 128.75 x 20.16 x 8.75' to upper deck
12 to raised quarter deck.

Scantling Numbers: 1127 and 3722

Proportions: Length = 14.71 to upper deck
10.73 to raised quarter deck.

This steamer is proposed to be built with machinery aft, there being a raised quarter deck and a sunk forecastle. One very large hatchway only is proposed, the dimensions being 56'-4 $\frac{1}{2}$ " x 14'. The transverse strength of the ship in way of the hatchway, however, is maintained by the fitting of three deep fixed hatch beams permanently riveted to the side coamings.

Additional strengthening to the bottom is proposed to be arranged to suit the Owners' requirements, together with a slight increase in the thickness of the sheerstrake and strake below in way of the upper deck.

In view of there being no excess of sheer provided a full forecastle was indicated as being necessary to comply with the Rules.

From a communication now received from the Builders it appears that the vessel is for a limited service from Newport to Swansea with intermediate ports, and that the trade of the vessel necessitates her passing below ^{low} bridges which precludes the fitting of a full forecastle. The latter ^{was} suggested with the object of keeping head seas off the large hatchway, the fixed beams in the latter as originally designed being wide spaced at the forward end. If the fixed beams are reversed and spaced closer at the forward end



of the hatchway extra strengthening at this particular part of the vessel would be provided.

The design of the vessel is similar to the S.S. "ORB" and S.S. "FERRIC" of the same Owners, in which vessels no forecastle was fitted and which vessels were also classed "For service in the Bristol Channel".

It is also considered that the fore peak tank could be re-arranged so as to ~~preclude~~ ^{that} the whole of the tank ~~being used~~ ^{need not be} when in light condition, re-designing it so that its total volume is only essential when passing under the bridges.

It is submitted that if these suggestions are complied with then, in view of the limited service, the proposal to dispense with a full forecastle might be approved.

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