

Steel Screw Steamer No. 882 proposed to be built by
Messrs. Cammell Laird & Co. with a view to class 100A1.

Rule Dimensions:- 150 x 23.75 x 11.50

Scantling Nos.:- 35.25 and 5287.

Proportions:- Length = 13.04 Depths to Upper Deck.
9.68 " " Raised Quarter Dk.

Sketches of Midship Section, Profile & Decks,
and various detail plans submitted by the Builders direct.

This vessel is of the ordinary Raised Quarter
Deck type, and is intended for general coasting service.

In this vessel it is proposed to dispense with
all riveted connections, the various attachments throughout
being made by electric welding.

The arrangements of the various parts of the
structure have been specially designed to facilitate
erection with the minimum number of service bolts and to
eliminate as far as possible all overhead welding.

At those parts where it has not been practicable
to entirely avoid overhead work, the welding is in the form
of light welds on which there will be little or no stress.

The welding is intended to be carried out on the
"Quasi-Arc" system, which was the system used in the
experiments carried out under the supervision of the Chief
Ship Surveyor.

The welding operators who will be employed in
the construction of the vessel have been trained by the
Quasi-Arc Co. who will also supply the necessary skilled
supervisors.

The scantlings are in accordance with the
requirements of the Rules, the usual arrangements being



somewhat modified to suit the new type of construction;
and it is submitted that provided:-

- (1) Vessel be built in accordance with the plans,
- (2) the requirements of the Society's Rules be complied with in so far as they are applicable to welded vessels,
- (3) the tentative regulations for the application of electric arc-welding or equivalent arrangements be followed,

and the whole of the work be carried out to the satisfaction of the Committee, the vessel on completion will be eligible to be classed 100A.1 "Electrically Welded", "Subject to Annual Survey" and subject to the notation "Experimental" being made in the Register Book.

C.F. 3.9.18. *hka*

*General Committee
Thursday, 5th September, 1918.*

*Submission approved
ad*

*17.8.18
msd. 579
plans.*

P.C. 7 plan to hvt.



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