

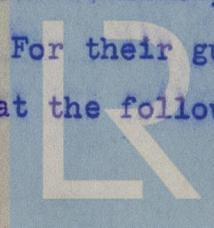
MESSRS. SWAN, HUNTER & WIGHAM RICHARDSON, YARD NO.1567.

La Mont Boiler constructed by The Ivor Power Specialty Co., Ltd.

IT IS SUBMITTED Messrs. Ivor Power Co. be informed the contents of their letter of the 16th instant have been noted and that the plans of headers Nos. C. 1684/6 & 7, together with the amended plan No. C.1684/3 of arrangement of coil element having tubes 12 gauge thick merit approval for a W.P. of 120 lb. per sq.in., provided the welding be carried out to the Surveyors' satisfaction and the material be tested in the presence of the Society's Surveyors as required by the Rules, it being concluded that the headers will be made of steel ~~which should be~~ of Open Hearth quality. In this connection the Firm should be asked to state where these headers are being manufactured, in order that the Surveyors may be advised.

It is noted the Firm wish to use tubes taken from stock for forming a number of the elements. The test results as shown on the copies of the tube Makers' certificates are such as could be accepted and accordingly no objection will be taken to the proposal, provided satisfactory check test be carried out in the presence of the Surveyors and confirmation be obtained to the effect that the material of the tubes was made by the Open Hearth process.

The plan of safety valve forwarded with the Firm's letter of the 17th instant has been examined, but it is regretted the design cannot be accepted. For their guidance it may, in this connection, be explained that the following conditions should be complied with:-



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- (1) The spring should be enclosed in a suitable casing.
- (2) The nut for adjusting the spring load should be enclosed so that the valve cannot be over-loaded when steam is up.
- (3) The guide for the valve spindle should have ample clearance to prevent seizure and should be as short as practicable.
- (4) Easing gear should be fitted so that the valve can be lifted from its seat. The gear should be workable from some accessible place free from steam danger.
- (5) The safety valve chest should be provided with an open ended drain.
- (6) Provision should be made for turning the valve in its seat by hand when steam is up.

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21.12.38

J. M. A.

Return plans Nos. C.1684/6 & 7 and
plan No. C.1684/3 stamped.

Return plan No. 10601 and 2 copies unstamped.

Retain one copy of plans Nos. G.1081/1,
C.1684/2, C.1684/3, C.1684/3, C.1684/5 and
C.1684/6 & 7.

Hand copies of these plans to London Surveyors,
together with copies of test certificates for
their guidance.

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