

Messrs. Swan, Hunter & Wigham Richardson's Yard Nos.1580 and 1582

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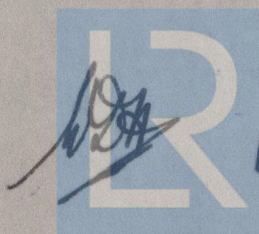
IT IS SUBMITTED the Newcastle Surveyors be informed that the Firm's remarks regarding the fitting of non-return valves for the mixing steam connections on the main boilers together with their alternative proposals have been noted.

It should, however, be pointed out that the recommendation made in the Secretary's letter of the 20th ultimo that these valves should be of the non-return type was for the purpose of ensuring that steam having a temperature of above 425°F could not be admitted to the auxiliary steam range, since it was noted that the pipes in this range are of copper and therefore unsuitable for high temperature steam.

In view of the Owners' objection to the fitting of non-return valves for this purpose, it is ~~therefore~~ considered that the mixing steam valves should be fitted direct to the boiler shells, or alternatively, the mixing steam and auxiliary steam valves should be embodied in one chest having a central division above the valves and a common neck connected direct to the boiler.

It is noted that the boiler safety valves are of Cockburn's Improved High Lift type and this is in order.

Lr 22/10



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