

PUMPING ARRANGEMENT Endorsement.

Richardson, Ltd.
 Shipbuilders: Messrs. *Swan Hunter & Wigham* Yard No. 1555
 Engineers: Messrs. *The Wallsend Shipway & Engine Co. Ltd.* ^{contact} Engine No. 933.
 Owners: Messrs. *"Carrying Petroleum in Bulk"*

It is submitted that the plan of
 Pumping Arrangement *in the Machinery Space*
 merits approval, provided the arrangements be as
 shown and amended on the plan and the remaining
 requirements of Sections 20 and 34 of the Rules (1937-8)
 be complied with so far as they are applicable.

It should be pointed out it is now a requirement of the Rules that the direct bilge suction and the bilge injection be fitted at opposite sides of the Engine Room, and accordingly it is recommended that the ballast pump direct suction be led to the starboard side of the Engine Room as indicated in red on the plan.

It is noted that the feed water passes through a direct contact heater and that the boilers are fitted with superheaters. In the circumstances the Surveyors should ^{be asked to} state whether the heating steam is taken from the main engine casing or from auxiliaries using superheated steam, and if so, whether suitable arrangements will be made to filter the feed water which comes in contact with this steam, or alternatively, to eliminate any traces of oil in the steam before it enters the direct contact heater.

Return ¹ plan.

Retain copy.