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WORKS:
RENFREW & OLDBURY.

CLARKSON BOILERS

WASTE HEAT RECOVERY SPECIALISTS
SILENCER — WASTE HEAT — OIL AND COAL FIRED BOILERS FOR ALL PURPOSES.

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DIRECTORS:
ENGINEER, VICE ADM. SIR ROBERT DIXON, K.C.B.
CHAIRMAN
H. J. FOUNTAIN,
MANAGING DIRECTOR
H. B. CLARK.

ENCLOSURES

YOUR REF.

OUR REF.

DATE

Copy letter.
Drg.

E

HJF/LMJ/44/22 23rd April, 1937

The Secretary,
Lloyd's Register of Shipping,
71, Fenchurch Street,
E.C.3.



Dear Sir,

Motor Ship for Wilh. Wilhelmsen, building in
Holland.

Enclosed we are sending you copy of a letter which we have received from our licencees in Holland, Messrs. Stork & Co. of Hengelo, regarding the above ship, in which the Clarkson Forced Circulation system of waste heat recovery is being fitted.

We have dealt with all the questions raised, with the exception of the penultimate paragraph, on which we should be glad if you would kindly give us your ruling.

We are sending you herewith the drawing which we have received from Messrs. Stork (D.083375) which is referred to in this letter. We have requested Storks to omit the spring loaded valve No.21 fitted at the junction of pipe 17 to pipe 18, and also to omit the spring loaded valve at the bottom of pipe 17.

Further, we have recommended that the valve at the top of pipe 17 where the connection is made to the exhaust gas boiler, should be a non-return valve. We have pointed out that the oil fired boiler must work at a lower pressure than the exhaust gas boiler, as the safety valve 20, must be set to blow off at a higher pressure to ensure that the safety valve on the oil fired boiler will blow off first.

With regard to the size of the safety valves, we have informed Storks that the safety valve of the exhaust gas boiler must be large enough to deal with the maximum evaporation of this boiler on the low temperature exhaust gases. For your information, the heating surface of the economiser is 60 sq. metres, and the estimated evaporation is 360 kgs per hour with an exhaust gas temperature of 200°C. The heating surface of the oil fired boiler is 20 sq. metres, and the evaporation is 360 kgs/hour.

As all the steam for the system is taken off at stop valve 19, we have explained to Storks that the safety valve on the oil fired boiler must be capable of dealing with the total evaporation of the system.

We shall be glad to have your reply, and the return of the drawing, at your earliest convenience.

Yours faithfully,

For THE CLARKSON THIMBLE TUBE BOILER CO. LTD.

H. J. Fountain
Managing Director

W224-0077

Referred to the Chief Engineer Surveyor.

MB

24 APR 1937

REQUESTING EARLY REPLY.



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Foundation