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## Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

Enclosure.

3rd January, 1939.

Dear Sirs,

E.

Messrs. Wm. Doxford & Sons' Yard No. 644.  
 Messrs. Sir James Laing & Sons' Yard No. 723.  
 Messrs. Furness Shipbuilding Co's Yard No. 287.

I duly received your letter of the 21st ultimo, forwarding plan, in duplicate, of shafting proposed by Messrs. Wm. Doxford & Sons Ltd., Contracts Nos. 644, 208 and 209, for the above vessels.

The plan has been examined and I have to inform you that with 2 SCSA opposed piston oil engines for main propelling purposes, having 4 cylinders, diameter 600 mm., stroke - upper piston 980 mm., lower piston 1340 mm., revolutions per minute 97, maximum pressure in cylinders 40 Kgs per sq. cm., B.H.P. 2850, WK<sup>2</sup> of flywheel - forward 25 tons-ft<sup>2</sup>, aft 50 tons-ft<sup>2</sup>, diameter of propeller 16'- 9", and screw shaft with continuous liner, the following sizes of shafting will be approved, viz:-

Intermediate..... 430 mm. diameter.  
 Screw..... 430 mm. diameter.

The plan showing details of straight shafting will also be approved, and one copy of this plan is returned herewith. As this plan refers to three different vessels I shall be glad if you will forward to this Office two

Messrs. Wm. Doxford & Sons'  
Contracts Nos. 644, 208, 209.  
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further copies of the same.

It is concluded the particulars of the engines are precisely as stated above, but I shall be glad if you will confirm this point.

I may add that the minimum sizes of shafting which could be accepted with engines having particulars as above are as follows:-

Intermediate..... 326 mm. diameter.  
Screw..... 361.5 mm. diameter.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,  
SUNDERLAND.



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Foundation

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