

COPY.

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C. 3.

12 Enclosures.

21st July, 1927.

Dear Sirs,

E.

I return herewith one set of the plans, forwarded with your letter of the 14th instant, of main propelling and auxiliary engines proposed by Messrs. L. Gardner & Sons Ltd. for Captain Rumbold's Yacht "LILY MAID IV", and have to acquaint you that with <sup>Type 3T5</sup> 2 S.C.S.A. Heavy Oil Engines for main propelling purposes and having 3 cylinders  $8\frac{1}{2}$ " diameter by  $9\frac{1}{2}$ " stroke, span of bearings  $13\frac{1}{2}$ ", maximum pressure in the cylinders 300 lb. per sq. inch, weight of flywheel 894 lb., diameter of flywheel  $28\frac{7}{8}$ " and revolutions 400 per minute, the proposed sizes of shafting, viz:- crank  $3\frac{3}{4}$ " and thrust shaft 80 mm. diameter will be approved.

Further, the plan of seamless steel air receivers will be approved for a working pressure of 250 lb. per sq. inch, provided the receivers be constructed under the usual conditions of survey and testing.

The following plans will also be approved, viz:-

No. 6159.....General Arrangement.  
No. C.9023.....Flywheel  
No. 6560Z.....Connecting Rod.  
No. 4535.....Clutch.

With Type OV, 4 S.C.S.A. Paraffin Engines for driving auxiliary machinery and having one cylinder  $2\frac{1}{4}$ " diameter by

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4" stroke, span of bearings  $3\frac{1}{8}$ ", maximum pressure in the cylinders 250 lb. per sq. inch, and revolutions 770 per minute, the proposed size of crankshaft, viz:-  $1\frac{1}{8}$ " diameter will be approved.

The following plans will also be approved, viz:-

No. 6203.....General Arrangement.  
No. D47/95.....Cylinder  
No. 7562.....Flywheel  
No. C3432.....Connecting Rod.

The duplicate set of plans forwarded by you has been retained for reference in this Office.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,

MANCHESTER.



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