

So. Sch "LILY MAID IV". No. 3164 in Yacht Register.

Messrs. L. Gardner & Sons' Engines.

Type 3T5.

IT IS SUBMITTED with 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 merit approval.

Further the plan of seamless steel air receivers merits approval 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 also merit approval, viz:-

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

Type OV.

With 4 S.C.S.A. Paraffin Engines for driving auxiliary machinery and having one cylinder $2\frac{3}{4}$ " diameter by 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 merits approval.

The following plans also merit approval, viz:-

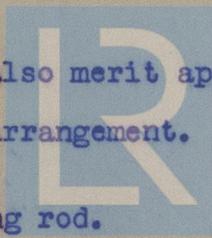
No. 6203.....General Arrangement.
D47/95.....Cylinder.
No. 7562.....Flywheel.
No. C3432.....Connecting rod.

Return 12 plans - retain 2 plans - 2 copies.

19.7.27.

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