

COPY.

Lloyd's Register of Shipping.

71, Fenchurch Street, E.C.3.

23rd February, 1939.

Dear Sirs,

Messrs. Swan, Hunter & Wigham Richardson's
Yard No.1569 - Engine No.1624.

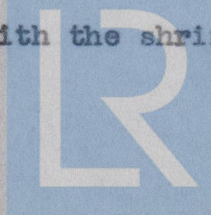
R.

I duly received your letter of the 14th instant, forwarding plans, in triplicate, of crankshafts proposed for the above engine.

These plans have been examined, and I have to inform you that, with 2 S.C. Opposed Piston oil engines for main propelling purposes, having 5 cylinders 670 mm. diameter, combined stroke 2320 mm., centres of side rods 1300 mm., R.P.M. 110, maximum pressure in cylinders 45 Kgs. per sq. cm., M.I.P. 89, B.H.P. 5,350, weight of forward flywheel 3.5 tons and diameter 5'-6", weight of aft flywheel .85 tons and diameter 8'-2", the following sizes of shafting will be approved, viz:-

| | |
|---------------------------------|--------------|
| Centre Crank Pins | 520 mm. dia. |
| Side Crank Pins & Journals | 520 mm. dia. |

The plans in question will also be approved, it being noted that dowel pins will not be fitted to the crankshaft, and with the shrinkage allowance and



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Swan, Hunter & Wigham Richardson's
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yield point of the crankweb material proposed this is
in order.

I have to add that the minimum sizes
of centre crankpins and side crankpins & journals which
could be accepted in accordance with the usual practice
are:-

| | |
|---------------------------------|--------------|
| Centre Crank Pins | 491 mm. dia. |
| Side Crank Pins & Journals | 484 mm. dia. |

Two copies of each plan are being returned
to you under separate cover.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,

NEWCASTLE-ON-TYNE.



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