

COPY.

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

Enclosures.

12th January, 1937.

Dear Sirs,

Messrs. Wm. Gray & Co's Yard No.1076.
Messrs. Central Marine Engine Works Eng.No.1076.
Messrs. Swan, Hunter & Wigham Richardson's
Exhaust Turbine No.1548.

E.

With reference to your letters of the 30th November and 9th December last respecting the above vessel, I have to acquaint you that with steam reciprocating engines for open sea service, having cylinders 23", 37" and 65" diameter by 45" stroke, working pressure 220 lb. per sq. inch, combined with an exhaust steam turbine on the Bauer-Wach system, the reciprocating engine having an I.H.P. of 1850 and the exhaust steam turbine an equivalent I.H.P. of 900, the revolutions per minute of the propeller being 75 when the reciprocating engine and turbine are working in conjunction, diameter of propeller 18'6" and screwshaft fitted with continuous liner, the proposed sizes of shafting will be approved, viz:-

crankshaft..... 13.3/8" diameter.
thrust shaft..... 350 mm. diameter.
intermediate
shaft..... 15.5" diameter.
screwshaft..... 15" diameter.

Two copies of the plan of thrust shaft and cone coupling are returned herewith, the remaining plan being retained for reference.

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Lloyd's Register
Foundation

W102-0045(1/2)

Messrs. Wm. Gray & Co's
Yard No.1076.

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COPY.

I may add that a copy of this letter has been forwarded to the Society's Surveyors at West Hartlepool for their information and guidance.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,

NEWCASTLE-ON-TYNE.



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