

COPY.

Lloyd's Register of Shipping,

71, Fenchurch Street, E.C.3.

4th November, 1937.

Dear Sirs,

Messrs. White's Marine Engineering Co.Ltd.
Engine No.14C.
Messrs. Bartram & Sons Yard No.279.

H.

I duly received your letter of the 27th ultimo, enclosing one from the White's Marine Engineering Co.Ltd., giving particulars of the machinery proposed for the above Contract.

These particulars, and the plan No.C.663 which accompanied your letter, have been examined, and I have to inform you that with double compound steam reciprocating engines for open sea service, having 2 H.P. cylinders 10-9/16" dia., 2 L.P. cylinders 21-5/16" dia., by 15" stroke, working pressure 240 lb., per sq. inch, working in conjunction with an exhaust steam turbine on the White's system, developing a combined equivalent I.H.P. of 1800, consisting of 960 I.H.P. at 515 revs. per minute and 850 equivalent I.H.P. at 5540 revs. per minute developed by the reciprocating engine and steam turbine, respectively, and 63 revs. per minute of the propeller, dia. of propeller 13' 0", and screwshaft fitted with continuous liner, the following sizes of shafting will be approved, viz:-

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Bartram & Sons
Yard No.279.

Thrust Shaft.....13 $\frac{1}{2}$ " dia.
Intermediate "12.1/8" dia.
Screw "13.5/8" dia.

The plan showing details of the straight shafting will also be approved.

Further, the size of the crankshaft, viz:- 7.3/4" diameter, approved in my letter of the 8th ultimo, will also be approved for engines having particulars as herein stated.

I may add that the amended particulars of these engines are noted, and I now return herewith two copies of the plan which accompanied your letter.

I am, Dear Sirs,

Yours faithfully,

Secretary.

The Surveyors,

NEWCASTLE-ON-TYNE.



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Foundation

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