

Messrs. Short Bros. Yard No. 450.

Messrs. White's Marine Eng. Co. Ltd., Engine No. 11C.  
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IT IS SUBMITTED that with double compound steam reciprocating engines for open sea service, having 2 HP cylinders 10.1/8" diameter, and 2 LP cylinders 19.1/4" diameter, by 13" stroke, working pressure 230 lb. per sq. inch, combined with an exhaust steam turbine on the White's system, developing a combined <sup>equivalent</sup> I.H.P. of 1660, consisting of 930 I.H.P. at 295 revolutions per minute developed by the reciprocating engine, and 730 equivalent I.H.P. at 3500 revolutions per minute by the exhaust turbine, revolutions per minute of the propeller 64, diameter of propeller 17'- 7", and screw shaft with continuous liner, the following sizes of shafting merit approval, viz:-

Crank.....7.3/4".  
Thrust.....12.1/2".  
Intermediate.....11.7/8".  
Screw.....13.3/8".

The plan showing details of the crank shaft also merits approval.

Return 2 plans.  
Retain 1 copy.

*26/10/36*

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*J.W.D.*

26th October, 1936.

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