

W240-0203

Messrs. Barclay Curle & Co. Ltd.

Yard No. 666.

Bauer Wach Installation.

IT IS SUBMITTED that with steam reciprocating engines for open sea service, having cylinders ~~22"~~^{20"}, $31\frac{1}{2}$ " and 53" diameter, stroke 36", 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 1810, and the exhaust steam turbine an equivalent I.H.P. of 850, the revolutions per minute of the propeller being 130 when the reciprocating engines and the turbines are working in conjunction, and having particulars of double reduction gearing as stated in the sheet attached to the Glasgow letter of the 19th instant, the following sizes of shafting merit approval, viz:-

1st reduction pinion shaft.....	100 mm. diameter.
1st reduction wheel shaft.....	220 mm. diameter.
2nd reduction pinion shaft.....	220 mm. diameter.
2nd reduction wheel shaft.....	400 mm. diameter.
Intermediate shaft.....	11 ins. diameter.
Thrust shaft.....	$11\frac{1}{2}$ ins. diameter.
Thrust shaft collar.....	80 mm. thick.

L24/11/36



© 2000
R. M.

Lloyd's Register
Foundation
23rd November, 1936.