

COPY.

# Lloyd's Register of Shipping.

71, Fenchurch Street, E.C. 3.

24th November, 1936.

Dear Sir,

I duly received your letter of the 19th instant, with enclosures, respecting reduction gearing to be fitted in conjunction with the Bauer-Wahh Installation proposed for Messrs. Barclay, Curle & Co's Yard No.666.

With regard thereto I have to inform you that, with steam reciprocating engines for open sea service, having cylinders 20", 31½" 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 R.P.M. 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 your letter, the following sizes of shafting will be approved, 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 inches diameter.
Thrust shaft .....	11½ " diameter.
Thrust shaft collar .....	80 mm. thick.

I am, Dear Sir,  
Yours faithfully,

The Secretary,

GLASGOW.

Secretary.

W240-0202

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