

COPY.

Lloyd's Register of Shipping.

71, Fenchurch Street, E.C.3.

1st June, 1937.

Dear Sir,

E.

I duly received your letter of the 29th ultimo, with enclosures advised therein respecting reduction gearing proposed by Messrs. Barclay, Curle & Co. Ltd., for a low pressure turbine to be built by Messrs. David Rowan & Co. Ltd., for Messrs. Lithgows' Yard No. 911, and I have to inform you that with steam reciprocating engines for main propelling purposes and engaged on open sea service, having cylinders 29", 47" and 81" diameter, by 54" stroke, working pressure 215 lb. per sq. inch, combined with an exhaust steam turbine on the Bauer Wach system, developing a total I.H.P. of 5350, (main engines 3725 I.H.P., turbine 1625 equivalent I.H.P.), at 82 revolutions per minute of the propeller, the proposed size of thrust shaft will be approved, viz:- 425 mm. diameter.

Further, with a steam turbine having a speed of 2640 revolutions per minute, and particulars of reduction gearing as given in Messrs. Barclay, Curle's specification, the following sizes of shafting will also be approved, viz:-

1st reduction pinion shaft...	170 mm. diameter.
1st reduction wheel shaft....	300 mm. diameter.
2nd reduction pinion shaft...	420 mm. diameter.
2nd reduction wheel shaft....	550 mm. diameter.

The Secretary,
GLASGOW.

Yours faithfully,

Secretary.

577-0043