

Shipbuilders: Messrs. *Lithgows, Ltd.*

U77-0049
Yard No. *911*

Engineers: { Messrs. *D. Rowan & Co., Ltd. (main engines)* Engine No. *1023*
" *Barclay, Curle & Co., Ltd. (Bauer-Wach installation)*

It is submitted that ~~the plan of with steam reciprocating engines for open sea service having merit approval~~ for cylinders *29", 47" & 81" dia. by 54" stroke*, working pressure provided *215 lb per in.²*, diameter of propeller not exceeding *18'-6"* & screw shaft with continuous liner, combined with an exhaust steam turbine on the *Bauer Wach* system, and transmitting *4880 S.H.P. (reciprocating engine 3352.5 S.H.P. & exhaust turbine 1527.5 S.H.P.)* ~~at not less than 80 revolutions per minute~~, the following sizes of shafting merit approval :-

Intermediate shafting *15 3/4" dia.*

Crank shaft *16 1/4" dia.*

Screw shaft *17 1/4" dia.*

It is concluded that the R.P.M. of the propeller shafting will be not ~~at~~ less than *80*, but this should be confirmed.

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