

MAIN PROPELLING OIL ENGINES.Shafting Endorsement.Shipbuilders: Messrs. *Alex. Stephen*Yard No *561/2*Engineers: Messrs. *Barclay Curle*Engine No. *E.W. 116/7*

It is submitted that with engines for main propelling purposes, having particulars as stated below, the following size of shafting merit approval, viz.:

Sizes of Shafting:

Crank *{ Centre pin 450 mm. with 150 mm hole*
Side pins & journals 450 mm Flywheel Thrust *450 mm.*

Intermediate *13.375 "* Tube Screw *14.66 "*

Particulars of Engines:Engine Type *2 sc opposed piston*Max. Press. in Cylinders *568 lb/in²*

Open Sea Service

M.I.P. or ~~M.E.P.~~ *82 lb/in²*~~Smooth Water Service~~~~I.H.P. or B.H.P.~~ *2700*No. of Cylinders *4*~~Weight of Flywheel~~Diam. of Cylinders *600 mm*~~Diam. of Flywheel~~Stroke (combined) *2320 mm*~~GD² of Balance Weights~~Span of Bearings *side rods 1200 mm*~~GD² of Turning Wheel~~Revs. per Min. *95*Diam. of Propeller *15 ft 6 ins*Screw Shaft With ~~out~~ Continuous Liner

The plan showing details of crank & thrust shafts and the particulars of intermediate & screw shafting as stated in Messrs. Alex. Stephen's letter of 11/5/37 also merit approval.

It is noted that the engine superstructure will be of fabricated welded construction and plans of these parts should be forwarded to this office for reference.

Return/Plan .

Retain/Copy.

*L 26/5/37**W.D.*

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