

W161-0217

MAIN PROPELLING OIL ENGINES.

E1.

Shafting Endorsement.Shipbuilders: Messrs. **DENNY BROS.**Yard No **1347**Engineers: Messrs. **BARCLAY CURLE & Co**Engine No. **EW 127.**

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:

Centre crank pins - 450 mm diam. with 150 mm centre hole.
 Crank **450 mm diam** Flywheel **450 mm** Thrust
 Side Pin **450 mm diam** Intermediate **15 1/2" diameter** Tube
 Intermediate **15 1/2" diameter** Screw **1 7/4" diameter**

Particulars of Engines:

Engine Type	Doxford 2SC opposed piston	Max. Press. in Cylinders	600 lb/sq
Open Sea Service		M.I.P. or M.E.P.	92 lb/sq
Smooth Water Service		I.H.P. or B.H.P.	3850
No. of Cylinders	4	Weight of Flywheel	2.05 Tons
Diam. of Cylinders	600 mm	Diam. of Flywheel	7.55 feet
Combined Stroke	2320 mm	GD ² of Balance Weights	
centres side rods Span of Bearings	1200 mm	GD ² of Turning Wheel	
Revs. per Min.	119	Diam. of Propeller	16'-6"
		Screw Shaft With	Continuous Liner

The plan showing details of crank and thrust shafts
also merits approval.
The thickness of continuous liner, namely **1 3/16"**, is noted
and in order.

Return **2** Plan.Retain **1** Copy.

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W. H. L. 22.6.39.