

MAIN PROPELLING OIL ENGINES.Shafting Endorsement.

Shipbuilders: Messrs.

Yard No.

Engineers: Messrs.

Wm. Daxford & Sons

CONTRACT

Engine No. 640

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 PINS 450MM. DIAM. WITH 150MM CENTRAL HOLE	Flywheel	Thrust
	SIDE PINS & JOURNALS 450MM DIAM		
Intermediate	Tube		Screw

Particulars of Engines:

Engine Type	2S.C. OPPOSED PISTON	Max. Press. in Cylinders	40 KGS.
Open Sea Service		M.I.P. or M.E.P.	88
Smooth Water Service		I.H.P. or B.H.P.	2500
No. of Cylinders	3	EACH	
		Weight of Flywheel	2 TONS (2 OFF)
Diam. of Cylinders	600 MM	EACH	
		Diam. of Flywheel	7'-6"
Stroke	{ UPPER 1340 MM. LOWER 980 MM.	GD ² of Balance Weights	
		EACH FLYWHEEL	
Span of Bearings	BETWEEN CENTRE LINES OF SIDE RODS 1200 MM	GD ² of Turning Wheel	20 TONS FT ²
Revs. per Min.	108	Diam. of Propeller	15'-9"
		Screw Shaft With	out Continuous Liner

The plan showing the details of the crankshaft also merits approval it being noted that, if dowel pins are dispensed with, particulars of the shrinkage allowance will be submitted for consideration.

The following size of shafting are the minimum that could be accepted in order to comply with the Society's Rules: viz

Return Plan	CENTRE PIN OF CRANKSHAFT	= 436 MM " DIAM	WITHOUT CENTRAL HOLE
	SIDE PINS & JOURNALS OF "	= 418 MM "	
Retain Copy.	INTERMEDIATE SHAFT	= 308 MM "	
	SCREW SHAFT	= 340 MM "	