

MAIN PROPELLING OIL ENGINES.Shafting Endorsement.Shipbuilders: Messrs. *Ivan Hunter & Co.* Yard No. *1569*Engineers: Messrs. *Ivan Hunter & Co.* Engine No. *1624*

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 Pin *520 mm dia.* Flywheel Thrust
Side Crank Pin & Journals *520 mm dia.* Tube Screw
 Intermediate Tube

Particulars of Engines:Engine Type *2 S.C. Opposed Piston*Max. Press. in Cylinders *45 kg/cm²*~~Open Sea Service~~M.I.P. or M.E.P. *89*~~Smooth Water Service~~I.H.P. or B.H.P. *5,350*No. of Cylinders *5*Weight of Flywheel *3.5 TONS. Dia 5'-6"*Diam. of Cylinders *670 mm*Weight of Flywheel *85 TONS Dia 8'-2"**Combined* Stroke *2320 mm*~~GD² of Balance Weights~~*Centres of side rods* Span of Bearings *1300 mm*~~GD² of Turning Wheel~~Revs. per Min. *110.*~~Diam. of Propeller~~~~Screw Shaft Without Continuous Liner~~

The plans showing details of the crankshaft, also merit approval it being noted that davel pins will not be fitted to the crankshaft & with the shrinkage allowance & yield point of the crankweb material proposed this is in order.

The Surveyors should be informed that the minimum sizes of centre crankpins & side crankpins & journals which could be accepted in accordance with the usual practice are:

Return *4*

Plan.

Retain *2*

Copy.

22/2

2020
20/2/39.