

MAIN PROPELLING OIL ENGINES.

E1.

Shafting Endorsement.

M.V. "Scottish Maiden"

Shipbuilders: Messrs. *New Engines*

~~Yard No.~~

Engineers: Messrs. *Workshop*

Engine Nos *751-2*

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

Sizes of Shafting:

Crank <i>350 mm. dia.</i>	Flywheel	Thrust
Intermediate	Tube	Screw

Particulars of Engines:

Engine Type *45.C.S.A*

Max. Press. in Cylinders *700 lbs./sq. in.*

~~Open Sea Service~~

M.I.P. ~~or~~ M.E.P. *130 lbs./sq. in.*

~~Smooth Water Service~~

I.H.P. ~~or~~ B.H.P. *1250*

No. of Cylinders *6*

Weight of Flywheel *3500 Kg.*

Diam. of Cylinders *500 mm.*

Diam. of Flywheel *1930 mm*

Stroke *1100 mm.*

~~G.D. of Balance Weights~~

Span of Bearings *640 mm.*

~~G.D. of Turning Wheel~~

Revs. per Min. *120*

Diam. of Propeller *12'-3"*

Screw Shaft Without Continuous Liner

The plan showing details of crankshaft also merits approval.

It is noted that dowel pins will not be fitted in these crankshafts and with particulars of shrinkage allowance and yield point of material as stated this is in order.

It should be added that with engines having particulars as stated above the sizes of existing Thrust, intermediate Return Plan & screw shafting, viz. 14" dia, 14" dia & 14 5/8" dia, respectively, also merit approval.

Retain Copy.

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