

Steam Engine Shafting Endorsement.

Shipbuilders: Messrs. *S. P. Austin & Sons*

Yard No. *344*

Engineers: Messrs. *The U. E. Marine Eng<sup>y</sup>. Co. Ltd.* <sup>*Contract*</sup> Engine No. *2885*

It is submitted that with Steam Reciprocating Engines having particulars as stated below, the following sizes of shafting merit approval, viz.:

Sizes of Shafting:

Crank *8  $\frac{3}{4}$ "* Thrust *in way of collar 8  $\frac{3}{4}$ "* Intermediate *8  $\frac{3}{8}$ "*

Tube Screw *9  $\frac{1}{4}$ "*

Particulars of Engines:

Engine Type *Triple Expansion* Diam. of Propeller *11' 9"*

Ocean Going Service

Screw { With Continuous Liner } *Thickness in way of bush 5  $\frac{1}{8}$ "*  
Shaft { Without } *Thickness between bushes 9  $\frac{1}{16}$ "*

River Service

Diam. of Cylinders *14  $\frac{1}{2}$ " x 24" x 41"*

Stroke *30"*

Working Pressure *220 lbs per sq. inch.*

*The scantlings of the shafting as stated in the Surveyor's letter also merit approval. It is noted that the specification calls for the crankshaft and the propeller shaft to be  $\frac{1}{8}$ " and  $\frac{1}{4}$ " respectively above Return Plan classification requirements.*

Retain Copy.

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*Dec 11/2/36*