

Messrs. Helsingors Jernskibs-og Maskinbyggeri Contract No.254M.  
New Engines for s.s. "FREDENSBRO".

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The Copenhagen Surveyors have forwarded a plan giving particulars of steam reciprocating engines proposed to be constructed for the s.s. "FREDENSBRO" (No.70068 in the Register Book), in place of the existing double-reduction geared steam turbine machinery.

IT IS SUBMITTED that, with steam reciprocating engines for open sea service and having cylinders 20", 32", 53" diameter by 36" stroke, working pressure 200 lb. per sq. inch, diameter of propeller 15'3" and screw shaft without liners the proposed size of crankshaft, viz:-  $10\frac{3}{4}$ " diameter, merits approval.

The Copenhagen Surveyors should be advised that if it be intended to utilise the existing line shafting, the sizes given in the Copenhagen First Entry Report No.6099, viz:- Intermediate  $10\frac{1}{4}$ " and screw shaft  $12\frac{1}{2}$ " diameter, are in order for the proposed new engines.

The Surveyors should also be asked to state the size of the thrust shaft.

Return 1 plan.

Retain copy.

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