

M.V. "CHANT 52"

No. 70639 in Register Book .

Classification.

This vessel was constructed in 1944 by Messrs. The Furness S.B. Co.Ltd., and has been classed with the British Corporation.

The vessel has recently been sold by the Ministry of Transport and the new Owners desire classification with this Society.

The Cardiff Surveyors have forwarded reports on the machinery which have been examined in conjunction with plans of shafting, air receivers and piping arrangements furnished by the Owners.

With 2 S.C. single acting heavy oil engines for main propelling purposes having 4 cylinders  $10\frac{1}{2}$ " diameter by  $13\frac{1}{2}$ " stroke, span of bearings  $13\frac{9}{16}$ ", maximum pressure in the cylinders 680 lb. per sq. in, mean indicated pressure 76 lb. per sq. inch, developing 220 B.H.P. at 300 revolutions per minute, screw shaft without continuous liner and propeller 60" diameter, the following sizes of shafting meet the requirements of the Rules, viz:

Crankshaft	.....	$7\frac{1}{4}$ " dia. pins $7\frac{1}{2}$ " dia. journals
Intermediate shaft	...	$4\frac{1}{4}$ " dia.
Screwshaft	...	4 $7/8$ " dia.

The plan of air receiver meets the requirements of the Rules for a working pressure of 350 lb. per sq. inch.

The plans of piping arrangements have been examined and are such as could be accepted.

The Cardiff Surveyors now state that the main and auxiliary engines and air receivers have been opened up and examined, the pumping arrangements have been examined and the machinery tried under working conditions with satisfactory results.

IT IS SUBMITTED that the machinery of this vessel could be accepted and a notation LMC (with date) but without the distinguishing mark + be assigned.

The Surveyors at <sup>Manchester</sup> Middlesbrough and Hull should be thanked for obtaining the reference plans.

7.8.46

Retain plans.



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