

Messrs. Harland & Wolff Ltd. Yard Nos.1016/7.

Shafting.

IT IS SUBMITTED that with 2 SC double acting heavy oil engines intended for main propelling purposes and having 6 cylinders 620 mm. diameter by 1400 mm. stroke with cranks arranged so that two cylinders fire simultaneously, maximum pressure in the cylinders 700 lb. per sq. inch, weight of flywheel 2500 Kgs., diameter of flywheel 2483 mm., GD² of balance weights 64,480 Kgm², developing 6000 B.H.P. at 98 r.p.m., diameter of propeller 18 ft. and screwshaft fitted with continuous liner, the following sizes of shafting merit approval, viz:-

Intermediate 17 $\frac{3}{4}$ " dia.

Propeller 19" dia.

Further, the details of the shafting stated in the Firm's letter also merit approval.

It is noted that it is proposed to use certain intermediate shafts taken from the motor vessels "WINCHESTER CASTLE", "WARWICK CASTLE" and "CARNARVON CASTLE" and that only the propeller shafts and the closing lengths of intermediate shafting will be new.

It is further noted that the intermediate shafts taken from the above mentioned vessels have been constructed to the Board of Trade requirements and tests and that the Owners are agreeable to the proposal to use certain of the existing shafts from these vessels.

Accordingly, no objection will be taken to the proposal, provided the shafts be examined and found sound and free from defects.

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