

For the information of Surveyors and the Committee only.

# Lloyd's Register of Shipping.

(Report on Machinery, No. \_\_\_\_\_ Port \_\_\_\_\_)

No. **1398.** **ENGINE FORGINGS OR CASTINGS.**

I have to report that the Forgings ~~or Castings~~ as herein described, manufactured by Messrs. Walter Somers Ltd., of Halesowen, order 4736/39 for the ~~Engines~~ No. ~~being constructed by~~ of Messrs. Parsons Marine ~~or~~ Steam Turbine Co. Ltd., for the Ship No. ~~Hesperia~~, being built by \_\_\_\_\_ of \_\_\_\_\_ have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects. These have been despatched to Newcastle-on-Tyne.

on Forgings ~~or Castings~~

Lloyd's  
No. **1394.**  
HDB. 7/8/40.

*H.D. Buchanan*

Birmingham. 8/8/40.

	<del>CRANK SHAFT</del> 1 Gear Wheel Shaft Nut. <del>FOR WHEEL SHAFT</del>	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.	SCREW SHAFT.
Material	Steel.				
Made	Forged.				
Heat-treated	Yes.				
Dimensions	0/d. 19 <sup>5</sup> / <sub>8</sub> " - 12 <sup>1</sup> / <sub>2</sub> " Hole.				
at Forgings	0-2-1-14.				
at, Castings					
Finish on Inspection	Rough Machined.				
TEST RESULTS.	372.				
Ultimate Tensile strength per sq. in.	31.08				
Yield Point strength per sq. in.	18.36				
Elongation per cent 2 inches	35.0				
Reduction of Area %	56.0				
Bending Test	180° WF.				
When Inspected	29/7/40, 2/8/40, & 7/8/40.				

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:-

*Examined finished & found satisfactory - stamped as above, and H.C.F. 11-7-41.*

Fee includes forgings shown Report No. F1399.

*H.D. Forester*

Newcastle-on-Tyne.

(if any chargeable) £1. 1. 0.

To be paid at Birmingham. 11-7-41

If of wrought iron, state whether piled bars or scrap. If of steel, state whether made by the Open Hearth process