

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at \_\_\_\_\_ Office, \_\_\_\_\_ 19\_\_\_\_

# Lloyd's Register of Shipping.

(Report on Machinery, No. *18070* Port *Sunderland*)

## No. \_\_\_\_\_ ENGINE FORGINGS OR CASTINGS.

I have to report that the Forgings or Castings, as herein described, manufactured by *Messrs J. S. Forster & Son Ltd* of *Sunderland* for the Engines No. *374* being constructed by *Messrs Mac Coll & Pollock* of *Sunderland* for the Ship No. *189*, being built by *H Robb & Co* of *Leith*.

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 *Messrs Mac Coll & Pollock Ltd*

Work on Forgings or Castings.

Lloyd's  
No. *6276*  
J.D. *5-5-31*

*J Dale*  
*Sunderland*

	CRANK SHAFT.	THRUST SHAFT.	INTERMEDIATE SHAFT.	TUBE SHAFT.
	FLYWHEEL SHAFT.			SCREW SHAFT.
Material* ...		<i>S. M. Eng'd steel</i>		<i>S. M. Eng'd steel</i>
How made ...		<i>Forged</i>		<i>Forged</i>
Annealed ...		<i>yes</i>		<i>yes</i>
Dimensions, Forgings		<i>7 1/8 dia</i>		<i>8 5/8 dia</i>
Weight, Castings				
Progress on { Inspection }		<i>Forging &amp; testing</i>		<i>Forging &amp; testing</i>
Tests on Standard Test Pieces.				
Stress Test— Tons per square inch		<i>30 1/4</i>		<i>30 1/4</i>
Extension per cent	<i>3</i>	<i>36%</i>		<i>36%</i>
Bending Test— Angle before fracture		<i>180</i>		<i>180</i>
When Inspected		<i>27/4/31</i>	<i>10</i>	<i>5-5-31</i>

### PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

*at shaft finish machined. 7 3/4" dia. at collars.*

MARK:— LLOYD'S NO 6276. T.D.S. 1-7-31.

*on shaft: Finish machined, 8 3/8" dia. Fitted continuous liner 9 1/2" thick in way of bushes, 1/2" thick between bushes, length of bearing supporting propeller 2'-10 1/2".*

MARK:— LLOYD'S NO 6276 T.D.S. 16-7-31.

(if any chargeable) £

To be paid at

*Sunderland*

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