

# Lloyd's Register of Shipping.

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

## No. X5914 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron or~~ Steel Forgings ~~or Castings~~, as herein described, manufactured by bickens & Co of Barrow for the Engines No. 614 being constructed by them of \_\_\_\_\_ for the Ship No. 614, being built by bickens & Co of Barrow have been inspected by me as set forth below, and found to be, so far as can be seen, Sound.

Mark on Forgings or Castings.

Lloyd's  
No. 389  
27-1-28 W.C.

Wm Cowie  
Barrow-in-Umber

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material* ...	<u>Old forged Steel</u>			
How made ...	<u>Forged</u>			
Dimensions ...	<u>18 1/4 diameter</u>			
Progress on Inspection }	<u>Forged &amp; finished</u>			
Tests on Standard Test Pieces.				
Tensile Test—	<u>See below</u>			
Tons per square inch	<u>to</u>			
Extension per cent	<u>to</u>			
Cold Bending Test—				
Angle before fracture	<u>to</u>			
Dates when Inspected	<u>12/18/24 to 27/1/25</u>			

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

Journals: Tensile tests: 31.2, 29.6, 32.0, 29.2, 30.4, 30.4 tons  
 Extension: 33%, 36%, 35%, 40%, 37%  
 Bend: 180°, 180°, 180°, 780°, 180°      Pin: Tensile test 30.4 tons  
37%  
180°

Wets: Tensile tests: 29.6, 29.6, 29.2, 29.2, 30.4, 30.4, 30.8, 30.4 tons  
 Extension: 36%, 35%, 35%, 36%, 36%, 34%, 36%, 35%  
 Bends: 180°, 180°, 180°, 180°, 180°, 180°, 180°, 180°

Fee (if any chargeable) £ \_\_\_\_\_  
 To be paid at \_\_\_\_\_



Lloyd's Register

\* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open-Hearth process.

The words FORGINGS or CASTINGS, IRON or STEEL, should be struck out as may be required.