

Rpt. 7.

For the information of Surveyors and the Committee only.

Received at _____ Office, _____ 16

Lloyd's Register of Shipping.

(Report on Machinery, No. _____ Port _____)

No. 48 ENGINE FORGINGS OR CASTINGS.

I have to report that the ~~Iron~~ or Steel Forgings or Castings, as herein described, manufactured by Cockatoo Dockyard of Sydney n.s.w for the Engines No. 48 being constructed by Cockatoo Dock of _____ for the Ship No. _____, being built by T. S. S. FERNDAL of _____ have been inspected by me as set forth below, and found to be, so far as can be seen,

Sound and good.

Mark on Forgings or Castings.

Lloyd's

No. 48

A. C. H

24. 3. 24

A. C. Heron

Sydney. n. s. w.

24. 3. 24.

	2 CRANK SHAFT.S			STRAIGHT SHAFTING.			
	2 THRUST SHAFT.S			11 INTERMEDIATE SHAFT.S		3 PROPELLER SHAFT.S.	
Material* ...	Open Hearth Process, Mild Steel						
How made ...	Forged			Forged		Forged	
Dimensions ...	14 $\frac{1}{2}$ dia			14 $\frac{1}{2}$ dia		13 $\frac{3}{4}$ dia	
Progress on { Inspection }	Forging Machining and finished						
Tests on Standard Test Pieces.				31.2 31.1 31.38			
				30.8 30.1 32.3			
Tensile Test—	31.2 31.3 31.0			32.2		32.3 30.7 30.4	
Tons per square inch ...				31.7 32.3		32.4 30.7 31.1	
In 3 $\frac{1}{2}$ " } Extension per cent ...	30% 29% 27%			28%		30% 30% 29%	
				30% 28% 29%		26% 29% 31%	
				29% 31% 31%			
Cold Bending Test—	180° 180° 180°			180°		30% 29%	
Angle before fracture ...				all bends 180°		180° 180° 180°	
Dates when Inspected	From 14 th November 1922 to 24 th March 1924.						

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

All bends 1" x 3/4" to 180° no fracture

Fee (if any chargeable) £

To be paid at

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