



Lloyd's Register of British and Foreign Shipping.

(Report on Vessel No. _____ Port _____)

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

No. 158 SHIP ~~FORGINGS OR~~ CASTINGS.

I have to report that the undermentioned ~~Iron or Steel Forgings or~~ Castings, manufactured by The Barrow Hematite Steel Co. of Barrow for the Vessel No. 105, being built by Messrs. Workman Clark of Belfast have been inspected by me as set forth below, and found to be, so far as can be seen, Satisfactory

Mark on Forgings.

Lloyd's
No. 158

Messrs. Johnstone Gas Castings

	STERN FRAME.	RUDDER FRAME.	STEM.
Material*		<u>9 Stock</u> <u>Siemens Martin Steel</u>	
How made		<u>Cast & annealed</u>	
Dimensions		<u>✓</u>	
Progress on Inspection		<u>Cast, dressed & finished</u>	
Dates when Inspected		<u>2nd, 13th June 5th July</u>	

SKETCHES OF FRAMES SHEWING POSITION AND DESCRIPTION OF WELDS OF FORGINGS, OR PARTICULARS OF TESTS APPLIED TO CASTINGS.

Purpose	dia inches	area inches	Ultimate Stress in tons Total	Ultimate Stress in tons per sq inch	ectn in 8ms	contr of area	Cold Bend
<u>Frame</u>	<u>1.14</u>	<u>1.02</u>	<u>32.5</u>	<u>31.8</u>	<u>20%</u>	<u>43.1%</u>	<u>180°</u>
<u>Stock</u>	<u>1.14</u>	<u>1.02</u>	<u>34.82</u>	<u>34.1</u>	<u>16%</u>	<u>21.4%</u>	<u>180°</u>

Rudder & Stock Proposed to a height of 8 feet and dropped, then slung, hammered and found satisfactory.



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105

Boston go -

Buxton St. street

Ormsiston

Bel. Street Entry Regt.

No 4316



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