



Lloyd's Register of British and Foreign Shipping.

(Report on Vessel No. _____ Port _____)

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. Ltd 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 & Co Castings

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

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

Purpose	dia	area	Ultimate Stress in lbs	ectn	contr	Cold
Rudder	inches	inches	Total	Per sq inch	in 8 ins	of area Bend
<i>Frame</i>	<i>1.14</i>	<i>1.02</i>	<i>32.5</i>	<i>31.8</i>	<i>20%</i>	<i>43.1% 180°</i>
<i>Stock</i>	<i>1.14</i>	<i>1.02</i>	<i>34.82</i>	<i>34.1</i>	<i>16%</i>	<i>21.4% 180°</i>

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

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Ornament

Bel. 3rd Entry p. 1

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