

Lloyd's Register of British and Foreign Shipping.

(Report on Vessel No. 10041 Port Glasgow
Manchester)

No. _____ SHIP ~~FORGINGS OR~~ CASTINGS.

I have to report that the undermentioned ~~Iron or Steel Forgings or~~ Castings, manufactured by
The Cast Steel Foundry Co of Middlesbrough
 for the Vessel No. 279, being built by Messrs Simons & Co
 of Renfrew have been inspected by me as set forth below, and found
 to be, so far as can be seen, sound.

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

Mark on Forgings. Castings

Lloyd's
No. _____

3

N. M. Williams
West Hartlepool

	STERN FRAME.	RUDDER FRAME.	STEM.
Material* - - - -			<u>Cast Steel</u>
How made - - - -			
Dimensions - - - -			<u>7" x 2 1/4"</u>
Progress on Inspection -			<u>When Completed.</u>
Dates when Inspected			<u>Decr 18th 23rd 24th</u> <u>1889</u>

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

Tests. Drop Test. Lifted on end to angle of 45° + dropped on hard ground: afterwards.
Hammered as per rule + found good.

Tensile test	diam.	Area.	Break at.	per sq inch.	% elong ⁿ in 8"
	<u>.91"</u>	<u>.65^{sq in}</u>	<u>20.66</u>	<u>31.78</u>	<u>13.5</u>

Bend test. round piece about 1" diam bent to 160° without defect.

2/1/90
[Signature]

