

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

Received at Belfast Office, Dec 15th. 1890

Lloyd's Register of British and Foreign Shipping.

(Report on Vessel No. _____ Port _____)

No. 72 SHIP FORGINGS OR CASTINGS.

I have to report that the undermentioned Iron or Steel ~~Forgings or~~ Castings, manufactured by The Barrow Haematite Steel Co. of Barrow. for the Vessel No. 46, being built by Messrs McIlwaine & McColl. of Belfast have been inspected by me as set forth below, and found to be, so far as can be seen, Satisfactory

^{casting}
Mark on Forgings.

Lloyd's
No. 72.
J.D. 12-90

J. Dykes.
Barrow.

	STERN FRAME.	RUDDER FRAME.	STEM.
Material*	<u>Siemens Martin Steel</u>		
How made	<u>Cast & Annealed.</u>		
Dimensions	<u>7" x 3 1/2"</u>		
Progress on Inspection .	<u>Cast, dressing & finished</u>		
Dates when Inspected	{ <u>Decr 1st to 4th 1890.</u>		

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

PURPOSE	DIAM. INS.	AREA INS	ULTIMATE STRESS		EX IN 8 INS	CONTRACTION OF AREA	COLD BEND
			TOTAL TONS	SQ. IN. TONS			
STERN FRAME	1.14	1.02	32.38	32.6	21.0%	35%	180° Suct.

Stern Frame raised to an angle of 45°; then let fall on hard ground.
Slung & hammered all over and found Satisfactory.