

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

Received at

Belfast

Office,

Nov. 5th 1890

Lloyd's Register of British and Foreign Shipping.

(Report on Vessel No. 241 Port Belfast)

No. 61 SHIP ~~FORGINGS~~ OR CASTINGS.

I have to report that the undermentioned ~~Iron or Steel Forgings or Castings~~, manufactured by Burns & Macdonald Steel Co. Ltd. of Burns & Macdonald in Leith for the Vessel No. 241, being built by Harland & Wolff of Belfast have been inspected by me as set forth below, and found to be, so far as can be seen, Sound & Satisfactory.

Mark on Forgings.

Lloyd's

No. 61

J.D. 10-90.

J. Dykes.

Burns & Macdonald.

Quadrant.

Tiller.

	STERN FRAME.	RUDDER FRAME.	STEM.
Material* - - -	Siemens Martin Process	Siemens Martin	
How made - - -	Cast & Annealed	Cast & Annealed	
Dimensions - - -	✓	✓	
Progress on Inspection -	Cast & finished	Cast & finished	
Dates when Inspected	Oct. 14. 20. 24. 31.	Oct. 14. 20. 24. 31.	

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

PURPOSE.	DIM. INCHES	AREA INCHES	ULTIMATE STRESS TOTAL TONS	EX IN 8 INCHES	CONTRACTION OF AREA	COLD BENDS
QUADRANT	1.14	1.02	33.92	33.2	22.0	37.7% 180° Good
TILLER	1.14	1.02	34.82	34.1	20.0	40.4% 180° Good

Raised to a height of 11 ft & dropped on hard ground, then plied & hammered evenly all over and found satisfactory.

²⁴¹
Ship Castings
on Quadrant &

Giller

5 Nov 1890

Shropshire

Rec. Report

nr 3984



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Lloyd's Register
Foundation