

3 Decks.

IRON OR STEEL STEAMER.

(Received at London Office)

MON. 7 MAR 1892

No. 4055. Survey held at

Date of completion of report

March 5th 1892

Port of

Belfast

Date, First Survey

April 9th 1891

Last Survey

March 5th 1892

On the

"Massachusetts"

THREE DECKED VESSEL.

CLASS + 100 A 1

Rig 4 Masted Schooner

Master *W. Williams*

Year of appointment

(1) As Master in service of
owner of present vessel—1885
(2) As Master of this
vessel—1892Built at *Belfast*When built *1891* Launched *Dec: 14th 91*By whom built *Harland & Wolff Ltd*Owners *Williams, Corry & Field Ltd*

Managers — " — "

Residence

*London*Port belonging to *London*Destined Voyage *Baltimore* If Surveyed while Building, Afloat, or in Dry Dock *While Building*

LENGTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH top of Floor to	Upper Deck Beams	Feet.	Inches.	Power of	Horse	No. of Decks with flat laid	No. of Tiers of Beams
as per Rule	443		Moulded	49		Do.	Do.	30	0 1/2	Engines	600	Three	Three

Dimensions of Register, Length *445.5* breadth *49.25* depth *30*. Moulded depth, ft. *33* ins. *6* To Upper Dk. Round up of Beam, Upper Dk. *9* ins.

FORGINGS or CASTINGS.

KEEL, Bar or Side Plates, depth and thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
STEM, moulded thickness	10 x 3	10 x 3	
STERN-POST Rudder do. do.	12 x 8	12 x 8	
" for Propeller	12 x 8	12 x 8	
MAIN-PIECE of Rudder diameter at head	10 1/2	10 1/2	
" do. at heel	5 1/2	5 1/2	
RUDDER, how constructed	Of cast steel with single plate 1 1/2		
Can the Rudder be unshipped afloat?	Yes		

MIDSHIP.

FRAME, Angles, or Bars for 1/2 length amidships	Inches in Ship.	Inches per Rule.	Or as Approved.
Do. for 1/2 at each end	4 x 3 1/2 x 12-11	4 x 3 1/2 x 12-11	
Do. in way of Double Bottoms	4 x 3 1/2 x 10-9	4 x 3 1/2 x 10-9	
Distance from moulding edge to moulding edge, fore and aft	30	30	
REVERSED FRAME Angles	3 1/2 x 3 1/2 x 10	3 1/2 x 3 1/2 x 10	
OS, depth and thickness of Floor Plate at mid.			
" in way of			
" thickness			
" depth at 1/2			
" height extended at the Bilges			

FLOORS & BRIDGES in Cell Dble Bottoms	Inches in Ship.	Inches per Rule.	Or as Approved.
Distance apart	10	10	
TRE-BOARD Dbl Btm. depth & thickness	5 1/2 x 12	5 1/2 x 12	
" Ang 4 x 4 x 9 Bottom	4 1/2 x 14	4 1/2 x 14	
ORDER and thickness	2	2	
Ang	3 1/2 x 10	3 1/2 x 10	
PLATE, depth (excl. of flange) & thickness	3 1/2 x 10	3 1/2 x 10	
Angles	4 x 4 x 10	4 x 4 x 10	
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	5 1/2 x 11	5 1/2 x 11	
" in Engine and Boiler space	11	11	
" Remainder in Holds	9	9	

BEAMS, Upper Deck, Single Angle, Bulb	Inches in Ship.	Inches per Rule.	Or as Approved.
Angle, Plate or Tee Bulb	8 x 3 1/2 x 12-10	8 x 3 1/2 x 12-10	
Angles on upper edge	Channel Sect. Channel Section		
Average space	30	30	
BEAMS, Middle Deck, Single Angle, Bulb	Inches in Ship.	Inches per Rule.	Or as Approved.
Angle, Plate or Tee Bulb	8 x 3 1/2 x 12-10	8 x 3 1/2 x 12-10	
Angles on upper edge	Channel Sect. Channel Section		
Average space	30	30	
BEAMS, Lower Deck, Single Angle, Bulb	Inches in Ship.	Inches per Rule.	Or as Approved.
Angle, Plate or Tee Bulb	8 x 3 1/2 x 12-10	8 x 3 1/2 x 12-10	
Angles on upper edge	Channel Sect. Channel Section		
Average space	30	30	

BEAMS, Hold, or Orlop, Plate or Tee Bulb	Inches in Ship.	Inches per Rule.	Or as Approved.
Angles on upper edge			
Average space			
BEAMS, Poop and Bridge Deck, Angle, Bulb	Inches in Ship.	Inches per Rule.	Or as Approved.
Angle, Plate or Tee Bulb	7 x 3 x 8	7 x 3 x 8	
Angles on upper edge			
Average space	30	30	

BEAMS, Forecastle Deck, Angle, Bulb	Inches in Ship.	Inches per Rule.	Or as Approved.
Angle, Plate or Tee Bulb	7 x 3 x 8	7 x 3 x 8	
Angles on upper edge			
Average space	30	30	
BEAMS, In tween Decks, Size and Spacing	Inches in Ship.	Inches per Rule.	Or as Approved.
Hold	3 1/2 x 3	3 1/2 x 3	
Quart. pillars	4 1/2 x 60	4 1/2 x 60	
WEB-STRINGS, In fore Body, No. and spacing	4 1/2 x 120	4 1/2 x 120	
" Brdth. & Thickness			
No. of Side Stringers			

WEB FRAMES, In After Body, No. and spacing	Inches in Ship.	Inches per Rule.	Or as Approved.
" Brdth. & Thickness			
No. of Side Stringers			
Size of Angles or Tee Bars to Web Frames			
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	Inches in Ship.	Inches per Rule.	Or as Approved.

KEELSONS & STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	Inches in Ship.	Inches per Rule.	Or as Approved.
Rider Plate			
Bulb Plate to Intercoastal Keelson			
Horizontal Plates on Floors			
Angles			
SIDE KEELSON, Angles	Inches in Ship.	Inches per Rule.	Or as Approved.
Bulb or Plate above floors, for length			
Intercoastal Plate, for length			
Attached to outside Plating with Angle			
BILGE KEELSON, Angles	Inches in Ship.	Inches per Rule.	Or as Approved.
Bulb or Plate above floors, for length			
Intercoastal Plate for length			
Attached to outside Plating with Angle			
BILGE STRINGER Angles	Inches in Ship.	Inches per Rule.	Or as Approved.
Bulb Plate for length			
Intercoastal Plate for length			
Attached to outside Plating with Angle			
SIDE STRINGER Angles	Inches in Ship.	Inches per Rule.	Or as Approved.
Bulb or Intercoastal Plate for lng.			
Attached to outside Plating with Angle			
Upper Deck Stringer Plate, on ends of Beams, breadth and thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
Angle on ditto	36 x 40	36 x 40	
Tie Plates fore and aft, outside Hatchways	5 x 5 x 18	5 x 5 x 18	
Flat of Dk. * Iron or Steel, for Entire lng. in way of 21 1/2 ft. 9 1/2	double	double	
" Wood Material & thickness			
How fastened to Beams			
Middle Deck Stringer Plate, br'dth & thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
Angles on ditto, No. 2	36 x 43	36 x 43	
Tie Plates outside Hatchways	4 x 4 x 10	4 x 4 x 10	
Diagonal Tie Plates on Bms., No. of prs.	1	1	
Flat of Dk. * Iron or Steel, for Entire lng. in way of 21 1/2 ft. 8			
" Wood Material & thickness			
How fastened to Beams			
Lower Deck Stringer Plate, br'dth & thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
Angles on ditto, No. 2	36 x 10	36 x 10	
Tie Plates, outside Hatchways	4 x 4 x 9	4 x 4 x 9	
Flat of Deck. * Material and thickness for Entire lng. in way of 21 1/2 ft. 7			
How fastened to Beams			
Hold or Orlop Stringer Plate, br'dth & thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
Is the Stringer Plate attached to the outside Plating?	Yes		
Angles on ditto, No. 28 Channel	4 x 4 x 9	4 x 4 x 9	
Tie Plates outside Hatchways	7 x 3 1/2 x 11	7 x 3 1/2 x 11	
Flat of Deck. * Material and thickness			
How fastened to Beams			
Poop Deck Stringer Plate, breadth & thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
Angle on ditto	36 x 8	36 x 8	
Tie Plates	3 1/2 x 3 1/2 x 8	3 1/2 x 3 1/2 x 8	
Flat of Deck, Material and thickness	3 1/2 x 8	3 1/2 x 8	
Bridge Deck Stringer Plate, breadth & thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
Angle on ditto	42 x 9	42 x 9	
Tie Plates	3 1/2 x 3 1/2 x 9	3 1/2 x 3 1/2 x 9	
Flat of Deck, Material and thickness	3 1/2 x 9	3 1/2 x 9	
Forecastle Deck Stringer Plate, br'dth & thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
Angle on ditto	36 x 8	36 x 8	
Tie Plates	3 1/2 x 3 1/2 x 8	3 1/2 x 3 1/2 x 8	
Flat of Deck, Material and thickness	3 1/2 x 8	3 1/2 x 8	

PLATING.

FLAT PLATE KEEL, breadth and thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
D'bling or inc. thickness & len. appl'd.	5 1/2 x 20	5 1/2 x 20	
PLATES in Garboard Strakes, br'dth & thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
from Garboard to lower part of Bilges	5 1/2 x 13	5 1/2 x 13	
State Thickness of Plating in way of Double Bottom.	14 x 13	14 x 13	
Bilges, number of Strakes and thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
Of doubling at Bilge, or increased thickness, and length applied	3 x 14	3 x 14	
from up. prt. of Bilge to lr. edge of Sh'strake			
Sheerstrake, breadth and thickness	Inches in Ship.	Inches per Rule.	Or as Approved.
Of d'bling at Sh'stk. & length appl'd.	46 x 20	46 x 20	
Poop Sides	17 x 16	17 x 16	
Bridge do.	10 x 8	10 x 8	
Forecastle do.			
Lengths of Plating	26 feet	16 feet	

Order for Special Survey No. 310
Date Mar. 3. 1891
Order for Ordinary Survey No. 1
Date
No. 247 in builder's yard
DAYS of Surveys held while building as per Section 18.
1st. On the several parts of the frame, when in place, and before the plating was wrought
2nd. On the plating during the process of riveting
3rd. When the beams were in and fastened and before the decks were laid
4th. When the ship was complete, and before the plating was finally coated or cemented
5th. After the ship was launched and equipped
April 9. 11. 16. 24. May 1. 6. 20. 28. June 1. 10. 14. 24. July 4. 9. 23. 24. 29. Aug. 4. 7. 19. 20. 24. 22. Sep. 19. Oct. 5. 12. 22. 24. 29. Nov. 6. 13. 23. 27. Dec. 4. 8. 10. 15. 16. 17. 22. 1891. Jan. 12. 16. 28. Feb. 4. 9. 10. 15. 18. 27. Mar. 3. 5. 1892. Total No. of Visits 31.
State dates and initials of letters respecting this case M. July 8. Oct. 17. Nov. 13. 17. 1890. April 2. 9. 14. 18. and July 9. 1891
General Remarks (State quality of workmanship, &c.)
This vessel has been built in accordance with the approved tracings forwarded with the first entry report No. 3070 on the S.S. Cheshire, to which vessel she is similar in the essential particulars. The Secretary's letters dated as above have been complied with, so far as they apply, and the Rules in all other respects have been adhered to. The frames forward are doubled from keel to lower deck for 40 feet above the collision bulkhead, and the rivets are spaced closer than required by the Rules in all parts of the vessel. The materials used in her construction and the workmanship are very good. Tracings of Midship Section, Sectional elevation, and Propeller frame accompanying this report.
PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 57.5 ft., R.Q.D. or Break ft., Bridge Dk 160 ft., F'castle 102.5 ft. (in feet and tenths) where the Poop is joined to the B.D., this should be distinctly stated.
No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 3 Dks (Steel) 3 1/2 B.
Official No. 99046; Signal Letters
PARTICULARS OF WATER BALLAST.—
Double bottom, aft, length and water capacity in tons Double bottom, forward, length and water capacity in tons
Double bottom, under engines and boilers, length and water capacity in tons If under engine only, or boilers only, state which
Double bottom, constructed on the cellular system, length 37.5 feet and water capacity in tons 1105
Fore peak tank, water capacity in tons 42 After peak tank, water capacity in tons 50
Midship deep tank, length and water capacity in tons Other tanks, if fitted, length and water capacity in tons
The above have all been tested as required by the Rules.
(If necessary, furnish further information by sketch.)
How are the surfaces preserved from oxidation? Inside Portland Cement & paint Outside paint
FREEBOARD assigned by the Committee, as per Secretary's Letter dated 23. February
In Summer 0.2 ins. In Winter 0.2 ins. To top of Wood, Iron or Steel Upper Deck.
For Winter in North Atlantic 9 ft. 0.2 ins. Statutory deck line.
Fresh Water above the centre of disc 6 ft.
The amount of Entry Fee £ 5 is received by me. Certificate to be sent to
Special £ 160. 12. 0/3 1891
Certificate £ gratis
Travelling Expenses, if any £
I am of opinion this Vessel should be Classed 100 A 1 Steel
3 Dks (Steel) 3 1/2 B.
Committee's Minute
Character assigned 100 A 1 Steel
3 Dks (Steel)
Lancashire & Lancashire
+ Lmc 3.92
JRM
This submitted that this vessel appears eligible to be classed 100 A 1 (Steel) as recommended 3 Dks (Steel) all D.B., also F.P.T. & A.P.T. F.V. (particulars above) 9.6.
Lloyd's Register Foundation