

3 Decks.

IRON OR STEEL STEAMER.

MUN. FEB 24 1902

Received at London Office

State if Report is also sent on the Machinery of the Vessel

Date of completion of report *February 1902* Port of *Belfast* No. *5373*
Survey held at *Belfast* Date, First Survey *February 1901* Last Survey *February 1902*
On the *Steel Cabin Screw Steamer "Walmer Castle"* Rig *Schooner 2 masts*
TONNAGE under Tonnage Deck... *5000.05* THREE DECKED VESSEL.
Do. between Tonnage Dk. and 3rd and 4th Dk. *4944.61* CLASS *100 A 1* FEET.
Total under Upper Dk. *10340.66* Half Breadth (moulded) *32.00*
Do. of Poop *313.24* Depth from upper part of Keel to top of Upper Deck Beams *43.25*
Do. of Bridge House *100.99* (with the normal round up of beam) *69.12*
Do. of Forecastle *1393.18* Girth of Half Midship Frame (as per Rule) *144.37*
Do. of excess of Hatchways *392.10* deduct 7 feet. *4*
Do. above Crown of Engine Room *392.10*
Gross Tonnage *12540.77* 1st Number *137.37*
Less Crew Space *542.10* Length on deck from after part of stem to fore part of stern post *560*
Less above Crown of Engine Room *392.10* 2nd Number *42026.16*
TONNAGE FOR FEES *11581.57* Proportions—Breadth to Length *0.87*
Less Engine Room *5458.13* Depth to Length—Upper Deck to top of Keel *13.11*
Less Navigation Spaces *52.24* Main Deck ditto *10.9*
Register Tonnage *6463.30* as cut on Beam *6463.30* Destined Voyage *Liverpool via Southampton* Master *J. C. Robinson*
Year of appointment *1902* (1) As Master in service of owner of present vessel—18 *74*
(2) As Master of this vessel—18 *1902*
Built at *Belfast* When built *1902* Launched *July 6. 01*
By whom built *Harland & Wolff Ltd* Owners *Union Castle Mail S.S. Co. Ltd*
Managers *D. Currie & Co.* Residence *London*
Port belonging to *London*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	Main Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams	Round of Upper Dk. Beam, Actual	Inches.
<i>500</i>	<i>50</i>	<i>0</i>	<i>64</i>	<i>6</i>	<i>4</i>	<i>38.65</i>	<i>38</i>	<i>6</i>	<i>30</i>	<i>2</i>	<i>2</i>	<i>4</i>	<i>4</i>	<i>12 1/2</i>	<i>12 1/2</i>

Dimensions of Ship per Register, Length *50.5* breadth *64.4* depth *38.65* Moulded depth, ft. *41* ins. *11* To Upper Dk.

FRAMING.				FORGINGS or CASTINGS.			
Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule Or as Approved.	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule Or as Approved.
E, Angles, or Bars for 1/2 length amidships				KEEL, Bar or Side Plates, depth and thickness			
or 1/2 at each end				STEM, moulding and thickness			
in way of Double Bottoms at Solid Floors				STERN-POST for Rudder do. do.			
" " at intermdt. Bkts.				" " for Propeller			
" of Frames from moulding edge to ling edge, all fore and aft				MAIN PIECE of Rudder, diameter at head			
USED FRAME, Angles				" " do. at heel			
FRAMING, depth of girder on Channels				RUDDER, how constructed			
S, depth and thickness of Floor Plate				Can the Rudder be unshipped afloat?			
at mid-line for 1/2 length amidships				KEELSONS & STRINGERS.			
in way of Engines and Boilers				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
thickness at the ends of vessel				" Rider Plate			
Depth at 1/2 the half breadth, as per Rule				" Bulb Plate to Intercoastal Keelson			
eight extended at the Bilges				" Horizontal Plates on Floors			
S & BRACKETS in Cell Dble Bottoms				" Angles			
Distance apart				SIDE KEELSON, Angles			
E GIRDER, in Double bottom, depth and thickness				" Bulb or Plate above floors, for lng.			
" Angles, Top				" Intercoastal Plate, for length			
" Bottom				" Attached to outside Plating with Angle			
ORDERS, number on each side & thickness				BILGE KEELSON, Angles			
Angles				" Bulb or Plate above floors, for lng.			
V PLATE, depth (exclusive of flange) and thickness				" Intercoastal Plate for length			
Angles to Outside Plating				" Attached to outside Plating with Angle			
BOTTOM PLATING, breadth and thickness of Middle Line Strake				BILGE STRINGER Angles			
" in Engine and Boiler space				" Bulb Plate for length			
" Remainder in Holds				" Intercoastal Plate for entire length			
Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				" Attached to outside Plating with Angle			
Angles on upper edge				SIDE STRINGER Angles			
Average space				" Bulb or Intercoastal Plate, for lng.			
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				" Attached to outside plating with Angle			
Angles on upper edge				Upper Deck Stringer Plates, breadth & thickness			
Average space				Angles on ditto			
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				" Plates for and out, for entire lng.			
Angles on upper edge				" Deck * Iron or Steel, for entire lng.			
Average space				" Wood Deck, Material & thickness			
BEAMS, Hold, or Orlop, Plate or Tee Bulb				Middle Deck Stringer Plate, breadth & thickness			
Angles on upper edge				Angles on ditto, No.			
Average space				" Tie Plates outside Hatchways			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb				" Diagonal Tie Plates on Bms, No. of pps.			
Angles on upper edge				" Deck * Iron or Steel, for entire lng.			
Average space				" Wood Deck, Material & thickness			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb				Lower Deck Stringer Plate, breadth & thickness			
Angles on upper edge				Angles on ditto, No.			
Average space				" Tie Plates outside Hatchways			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb				" Deck * Material and thickness			
Angles on upper edge				Hold, or Orlop Stringer Plate, breadth & thickness			
Average space				Angles on ditto, No.			
MILLARS, In 'tween Deck, size and spacing				" Tie Plates outside Hatchways			
" Hold				" Deck, Material and thickness			
" Quarter 'tween Dks.,				Poop Deck Stringer Plate, breadth & thickness			
" in Hold				Angles on ditto			
WEB-FRAMES, In Fore Body, No. and spacing				" Tie Plates			
" breadth & thickness				" Deck, Material and thickness			
" No. of Side Stringers				Bridge Deck Stringer Plate, breadth & thickness			
WEB-FRAMES, In E. & B. Space, No. & spacing				Angles on ditto			
" breadth & thickness				" Tie Plates			
" No. of Side Stringers				" Deck, Material and thickness			
" Size of Angles or Tee Bars to Web-Frames				Forecastle Deck Stringer Plate, breadth & thickness			
BRACKET PLATES to Stringers between Web Frames, depth and thickness				Angles on ditto			
				" Tie Plates			
				" Deck, Material and thickness			

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PLATING.

AS IN SHIP.

PER RULE OR AS APPROVED.

STRAKES.

AMIDSHIP.

FORWARD.

AFT.

THICKNESS.

INCHES.

20ths.

DOUBLE.

BREADTH OF LAP.

RIVETS.

DIAM.

SPACING OR TO CR.

DOUBLE OR TREBLE AND FOR WHAT LENGTH.

RIVETS.

DIAM.

SPACING OR TO CR.

STRAPS.

BREADTH.

THICKNESS.

IF LAPPED.

BREADTH.

FOR WHAT LENGTH.

FLAT PLATE KEEL

GARBOARD OR A STRAKE

State actual thickness in way of Double Bottom.

B

C

D

E

F

G

H

J

K

L

M

N

O

P

Q

R

Length of Bilges

Thickness of Sheerstrakes

Thickness of Strake below

POOP SIDES

BRIDGE SIDES

FORECASTLE SIDES

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.

Upper Deck

Stringer Plate

Middle Deck

Stringer Plate

Butts of Bilge & Side Stringers and Tie Plates

Inner Bottom Plating, riveting of Edges

Centre Girder Butts

Frames, riveted through Plates with

Rivets, state whether Iron or Steel

FRAMES extend in one length from

REVERSED FRAMES

MASTS, SPARS, &c.

No square sails

LOWER MAST

Fore

Main

Mizen

Topmast

Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails, One complete

Suit of good canvas

Sails, and the following spare sails

EQUIPMENT No.

LETTER

ANCHORS

Number of Certificate

Anchor

WEIGHT, EX. STOCK

WEIGHT OF STOCK

TEST, PER CERTIFICATE

WEIGHT REQUIRED BY TABLE 22

Description of Anchor

Makers

Where and when tested and Superintendent

CHAIN CABLES.

Number of Certificate

Fathoms

Size

Test per Certificate

WEIGHT OF CHAIN CABLE

Fathoms and Size per Table 22

Description

Makers of Cables

When and where tested, and Superintendent

Material

Fathoms

Size

Breaking Test of Steel Wire

Fathoms and Size per Table 22

HAWSERS AND WARPS.

Number of Certificate

Fathoms

Size

Test per Certificate

WEIGHT OF CHAIN CABLE

Fathoms and Size per Table 22

Description

Makers of Cables

When and where tested, and Superintendent

Material

Fathoms

Size

Breaking Test of Steel Wire

Fathoms and Size per Table 22

Boats

Pumps, Number

Windlass is

Engine Room Skylights

Coal Bunker Openings

Number of Scuppers

Ceiling in Holds

Cargo Hatchways

State size No. 1 Hatch

No. 2 Hatch

No. 3 Hatch

No. 4 Hatch

Number of Web Plates

Bulwarks

The above is a correct description

Builder's Signature

Surveyor's Signature

Surveyor to Lloyd's Register of British and Foreign Shipping

Correspondence. State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) *M. Feb. 21st*

March 10th, April 2nd, 23rd and 26th, and May 4th & 21st 1901.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed where butted, but mostly overlapped.*

Is the riveted work properly closed? *yes.*

Are the liners between the frames and plates solid single pieces? *yes.* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *yes.* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *yes.* Do any rivets break into or through the seams or butts of plating? *very few.*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *yes.*

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *yes.* State results of tests *very satisfactory.*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *yes.* State results of tests *very satisfactory.*

General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the approved tracing of midship section forwarded on the 19th instant, and with the accompanying approved plans, 10 in number; the Secretary's letters dated as above have been complied with and the Rules in all other respects adhered to.*

All pumps and watertight floors have been examined and tested and found efficient, and the waterways and weather decks tested as required by the Rules and found very satisfactory.

The rivets are spaced closer than required by the Rules in most parts of the vessel.

The materials used in her construction, and the workmanship are very good.

The Surveyor should state the Number of Report and Name of any Sister Vessel. —

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *23* ft., R.Q.D. or Break — ft., Bridge Dk *31.8* ft., F' castle *69* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated — *(open at sides)*

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) *4 Dks (Stl) 4 to 13.*

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside *Portland Cement & paint* Outside *paint.*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with g'rders on floors *yes.*

Where fitted.	Length.		Water Capacity.	Where fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	<i>132.2</i>	<i>340</i>	Fore peak tank, After peak tank, Midship deep tank, Other tanks, if fitted, (If necessary, furnish further information by sketch.)			<i>65</i>	
Double bottom, under Engines and Boilers,	<i>205.9</i>	<i>105.2</i>				<i>103</i>	
Double bottom, if under Engines only,	—	—				—	
Double bottom, if under Boilers only,	—	—				—	
Double bottom, forward,	<i>104.2</i>	<i>204</i>				—	

* The wells are not to be included in the lengths of the tanks. State whether the above have been tested as required by the Rules. *yes.*

Order for Special Survey No. <i>405</i>	DATES of Surveys held while building	<i>Feb. 2, 14, 19, 22, 25; Mar. 1, 4, 12, 13, 14, 20, 21, 24; April 12, 16, 22, 25, 30; May 2, 6, 8, 9, 15, 17, 21, 25, 27, 29; June 3, 8, 10, 12, 13, 14, 18, 21; July 2, 4, 6, 10, 24, 26; Aug. 10, 21, 28, 30; Sep. 5, 11, 16, 18, 26; Oct. 11, 15, 23, 30; Nov. 6, 13, 25, 28; Dec. 4, 6, 13, 18, 1901. Jan. 1, 2, 8, 13, 17, 24, 30, 31; Feb. 4, 6, 10, 12, 15, 17 and 19, 1902.</i>
Date <i>31st May 1901</i>		
No. <i>342</i> in builder's yard.		Total No. of Visits <i>78.</i>

The amount of Entry Fee.....£ *5:0:0* Fees applied for, *Feb 19th 1902*
Special Survey Fee ...£ *314:11:0* Received by me, *25/2/02*
Travelling Expenses, if any £ : : *25/2/02*

Certificate to be sent to *this office.*

State whether the Vessel has been built under Special Survey *yes.*
I am of opinion this Vessel should be Classed *+ 100 A 1 4 Dks (Stl) 4 to 13.* *James Curpin*
With, or without Freeboard, as condition of Class *without.* Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute **TUES. FEB 25 1902**
Character assigned *+ 100 A 1 Steel*
+ 2 Mc 2, OR
Lead 2 1/2 CP

The Surveyors are requested not to write on or below the Committee's Minute.