

# With or Without Disconnected Erections.

## STEEL STEAMER.

Received at London Office

Date of completion of report 6th December 1919  
Survey held at Londonderry

State if Report is also sent on the Machinery of the Vessel Yes sent to Glasgow.  
Port of Belfast  
Date, First Survey 30th July 1919

No. 8256  
Last Survey 26th Nov 1919

On the (State if Single, Twin, or Triple Screw)

TONNAGE under  
Tonnage Deck  
Do. between Tonnage Dk. and 3rd and 4th Dk.  
Total under Upper Dk. 2830.49

Do. of Poop  
Do. of R.Q.Dk. 20.70  
Do. of Bridge House 41.04  
Do. of Forecastle 95.59  
Do. of Houses on Dk. 32.38  
Do. of excess of Hatchways  
Do. above Crown of  
Engine Room 3020.79  
Gross Tonnage 103.76  
Less Crew Space  
Less above Crown of  
Engine Room  
TONNAGE FOR FEES Special Fee  
Less Engine Room 966.65  
Less Navigation Spaces 100.48  
Register Tonnage 1849.90

CLASS 100 A1  
Breadth (greatest moulded) 46.5  
Depth, at middle of length from top of keel to top of upper deck beams at side 25.5  
Transverse Number 72.0  
Length on deck from fore part of stem to after part of stern post 331  
Longitudinal Number 23932  
Depth "d," at middle of length (See Secs. 2 & 13) 21.75  
Proportions—Depth to Length—Upper Deck Beam at side to top of keel 12.98  
Long Bridge Deck Beam at side to top of keel 10.34

Rig fore & aft schooner.  
Master R. Logan  
Year of appointment (1) As Master in service of owner of present vessel—191 (2) As Master of this vessel—191

Built at Londonderry  
When built 1919-12 mo Launched 6th October 1919  
By whom built The North of Ireland S.S. Co. Ltd.  
Owners William Thomson & Co.  
Managers (Where necessary to be entered in Reg. Book.)  
Residence  
Port belonging to Leith

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock Yes

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.	No. of Decks with flat laid	No. of Tiers of Beams
331	0	46	6	Do.	Do.	Do.	Do.	Do.	one	one
Moulded depth, ft. 32 ins. 0 To Bridge Dk. Round of Upper Dk. Beam, Actual 1 1/2 ins.										
Moulded depth, ft. 25 ins. 6 To Upper Dk. Dk. Beam, Actual										

Dimensions of Ship per Register, Length 331.1 breadth 46.7 depth 23.15

AMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
Bars amidships	10	3 1/2	4 1/2	10	3 1/2	4 1/2
Angles	6	3 1/2	4 1/2	6	3 1/2	4 1/2
Bottoms at Solid Floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
at intermdt. Dkts.	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
Centre to centre amidships	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
Length to Collision bulkhead	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
in peaks	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2
E. Angles	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
Bottoms at Solid Floors	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
at intermdt. Dkts.	10	10	10	10	10	10
girder	10	10	10	10	10	10
Thickness of Floor Plate	10	10	10	10	10	10
Length amidships	10	10	10	10	10	10
Line and Boiler Spaces	10	10	10	10	10	10
ends of vessel	10	10	10	10	10	10
Half breadth, as per Rule	10	10	10	10	10	10
at the Bilges	10	10	10	10	10	10
Double Bottoms	10	10	10	10	10	10
aged (top & bottom)	10	10	10	10	10	10
Solid floors	10	10	10	10	10	10
in Dbl. bottom, dpth. & thcknss.	10	10	10	10	10	10
Angles, Top	10	10	10	10	10	10
Bottom	10	10	10	10	10	10
to Floors	10	10	10	10	10	10
intermdt. fmg. width & thcknss	10	10	10	10	10	10
umber on each side & thickness	10	10	10	10	10	10
ate if flanged (top and bottom)	10	10	10	10	10	10
angles (top and bottom)	10	10	10	10	10	10
to Floors	10	10	10	10	10	10
Depth (exclusive of flange) and thickness	10	10	10	10	10	10
Angle to Outside Plating	10	10	10	10	10	10
Floors	10	10	10	10	10	10
intermdt. fmg. width & thcknss	10	10	10	10	10	10
Outside Brackets above at bilge	10	10	10	10	10	10
PLATING, breadth and	10	10	10	10	10	10
less of Middle Line Strake	10	10	10	10	10	10
in Engine and Boiler space	10	10	10	10	10	10
Remainder in Holds	10	10	10	10	10	10
Deck, Single Angle, Bulb	10	10	10	10	10	10
Plate, Tee Bulb, or Channel	10	10	10	10	10	10
Long Bridge	10	10	10	10	10	10
Deck, Single Angle, Bulb	10	10	10	10	10	10
Plate, Tee Bulb, or Channel	10	10	10	10	10	10
Fourth Deck, Single Angle	10	10	10	10	10	10
Plate, Tee Bulb, or Channel	10	10	10	10	10	10
upper edge	10	10	10	10	10	10
Angle, Bulb Angle, Plate	10	10	10	10	10	10
Plate, Tee Bulb, or Channel	10	10	10	10	10	10
upper edge	10	10	10	10	10	10
Spacing	10	10	10	10	10	10
MS, Bridge Deck, Angle, Bulb Angle, Plate	10	10	10	10	10	10
Plate, Tee Bulb, or Channel	10	10	10	10	10	10
Angles on upper edge	10	10	10	10	10	10
Spacing	10	10	10	10	10	10
BEAMS, Forecastle Deck, Angle, Bulb Angle	10	10	10	10	10	10
Plate, Tee Bulb, or Channel	10	10	10	10	10	10
Angles on upper edge	10	10	10	10	10	10
Spacing	10	10	10	10	10	10

PILLARS.		Ship.	Ship.	Or as	Approved.	
PILLARS In 'tween Deck, size and spacing						
"	Hold	"	"			
"	Quarter 'tween Dks.,	"	"			
"	in Hold	"	"			
KEELSONS & STRINGERS.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
"	Rider Plate					
"	Flat Plate Keel Angles					
"	Horizontal Plates on Floors					
"	Angles or Bulb Angles					
SIDE KEELSONS, Number						
"	Angles or Bulb Angles					
"	Plate above floors, for length					
"	Intercoastal Plate, for length					
"	Attached to outside Plating with Angle					
BILGE KEELSON, Angles						
"	Intercoastal Plate for length					
"	Attached to outside Plating with Angle					
SIDE STRINGERS, Number						
"	Angle					
"	Intercoastal Plate, for length					
"	Attached to outside plating with Angle					
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)		52	56	52	56	
"	" " " " br'dth & thickness (in way of Bridge)	52	46	52	46	
"	" " " " Angle (clear of Bridge)	52	58	52	58	
"	" " Tie Plate at sides of Hatchways					
"	Deck. * Iron or Steel, for full lng.		36	30	36	30
"	" Thickness (clear of Bridge)	56	at sides of Hatchways			
"	" " (in way of Bridge)		30		30	
"	Wood Deck, Material & thickness					
Second Deck Stringer Plate, br'dth & thickness						
"	Angles on ditto, No.					
"	Tie Plates outside Hatchways					
"	Deck. * Iron or Steel, for lng.					
"	Wood Deck, Material & thickness					
Third Deck Stringer Plate, br'dth & thickness						
"	Angles on ditto, No.					
"	Tie Plates, outside Hatchways					
"	Deck. * Material and thickness					
Fourth and Fifth Deck Stringer Plate, br'dth & thickness						
"	" " " " Angles on ditto, No.					
"	" " " " Tie Plates outside Hatchways					
"	" " " " Deck, Material & thickness					
Poop Deck Stringer Plate, breadth & thickness		32	32	32	32	
"	Angle on ditto	3 x 3	32	3 x 3	32	
"	Tie Plates					
"	Deck, Material and thickness		25		25	
Bridge Deck Stringer Plate, br'dth & thickness		48	52	48	52	
"	Angle on ditto	3 1/2 x 3 1/2	56	3 1/2 x 3 1/2	56	
"	Tie Plates					
"	Deck, Material and thickness		32		32	
Forecastle Deck Stringer Plate, b'dth & th'kns		32	32	32	32	
"	Angle on ditto	3 x 3	32	3 x 3	32	
"	Tie Plates					
"	Deck, Material and thickness		30		30	

\* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

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**WEB FRAMES.**

**WEB-FRAMES, In Fore Body, No. and spacing**  
brdth. & thickness

**WEB-FRAMES, In E. & B. Space, No. and spacing**  
brdth. & thickness

**WEB-FRAMES, In After Body, No. and spacing**  
brdth. & thickness

**BRACKET PLATES to Stringers between**  
Web Frames, depth and thickness

**BULKHEADS.**

**STIFFENERS.**

**W.T. BULKHEADS**

**" COLLISION "**

**PARTITION "**

**LONGITUDINAL.**

Are the outside Plates doubled two spaces of Frames in length? *Large brackets*

Are the *Stringers* and Watertight Doors in efficient working order? *Yes*

**FORGINGS OR CASTINGS.**

**KEEL, Bar, depth and thickness**

**STEM, moulding and thickness**

**STERN-POST for Rudder do. do.**

**" for Propeller**

**RUDDER-A x D** Table 22. Speed under 12 knots *A x D = 288*

**Main-Piece, diameter at head**

**" at heel**

**RUDDER, how constructed** *Forged Iron, Keyed arms, Single Plate*

Thickness of Plates or Single Plate *1.04*

Can the Rudder be unshipped afloat? *Yes*

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. *Plates Messrs. Gaskell, Harn & Vetterford Ltd. Cardiff*

*Bars: Steel (C of Scotland), Lanarkshire Steel Co. and D. Colville & Sons*

Has the Steel been tested as required by the Rules? *Tested by R.C. Jones*

**PLATING.**

**AS IN SHIP.**

**PER RULE OR AS APPROVED.**

**EDGES.**

**BUTTS.**

**STRAKES.**

**FLAT PLATE KEEL**

**GARBOARD OF A STRAKE**

**B**

**C**

**D**

**E**

**F**

**G**

**H**

**J**

**K**

**L**

**M**

**N**

**O**

**P**

**Q**

**R**

**S**

**T**

**U**

**V**

**W**

**THICKNESS OF STRAKE**

**CLEAR OF LONG BRIDGE**

**DO. OF STRAKE BELOW**

**DLG. of Flat Plate Keel**

**Sheerstrakes**

**POOP SIDES**

**SHORT BRIDGE SIDES**

**FORECASTLE SIDES**

**Upper Deck**

**Stringer Plate**

**Second Deck**

**Stringer Plate**

**Inner Bottom Plating**

**Centre Girder Butts**

**Frames, riveted through Plates with**

**Rivets, state whether Iron or Steel**

**FRAMES extend in one length from**

**REVERSED FRAMES on floors and frames extend from**

**MASTS, SPARS, &c.**

**LOWER MASTS**

**Bowsprit**

**Topmasts, Yards and Remainder of Spars**

**Rigging, Material and Size, Shrouds**

**Sails**

**Suit of**

**Sails, and the following spare sails**

**EQUIPMENT No. 24870**

**LETTER "U"**

**ANCHORS.**

**TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS**

**Number of Certificate**

**1st Bower**

**2nd**

**3rd**

**4th**

**Collective weight**

**Stream**

**Kedge**

**Particulars of Drop Test of Cast Steel Anchors, viz.:**

**Weight, Surveyor's Initials, Number of Certificate, Date of Test.**

**1st Bower** *25-0-15-WC-2099-3-12-18*

**2nd** *25-1-8-WC-2092-29-11-18*

**3rd** *23-2-0-WC-2144-21-1-19*

**4th**

**CHAIN CABLES.**

**HAWSERS AND WARPS.**

**Number of Certificate**

**Length and size supplied**

**Test per Certificate**

**Weight of Chain Cable**

**Length and size per Table 31**

**Description**

**Makers of Cables**

**Where and when tested, and Superintendent**

**Material**

**Length and size supplied**

**Test of Steel Wire**

**Length and size per Table 31**

**Boats** *2 Life Boats 2 Dinghys*

**Pumps** *Number 5 Downton connected to engine bilge suction, 100 gals. per hour, 100 gals. per hour, 100 gals. per hour*

**Windlass** *Imerson Walker patent chain driver*

**Engine Room Skylights** *How constructed? Steel plates & angles*

**Coal Bunker Openings** *How constructed? Steel plates & angles*

**Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.** *5 each side, 6 ports 36 x 18*

**Ceiling in Holds, thickness and material** *2 1/2 W.P. over timbers, 10 ft. x 10 ft.*

**Cargo Hatchways** *How formed? Steel plates & angles*

**State size No. 1 Hatch (Forward)** *26-6 1/2 x 18-0*

**Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch** *4 webs in each hatchway 15 x 3 1/2 plate and 4 angles*

**Bulwarks, height above deck and description** *3 ft. 6 in. 25 ft. 7 in. 3 ft. 6 in. 25 ft. 7 in.*

**The foregoing is a correct description.**

**Builder's Signature** *W. H. Fletcher*

**Surveyor's Signature** *E. H. Kendall*

**Correspondence** *State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)*

**Workmanship** *Are the butts of plating planed or otherwise fitted? Planed*

**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 the 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. 26, par. 20)?** *Yes, see below State results of tests*

**Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)?** *Yes*

**General Remarks (State quality of workmanship, &c.)**

*This vessel is a Standard Vessel "C" Type and has been built in accordance with the plans approved by the Committee the Secretary's letters of the above mentioned dates and in other respects in general conformity with the Rules and the workmanship and materials are good.*

*The keel was sighted before launching and found 1" down in way of After Main Hold. The vessel has also been built under the Survey of the British Corporation, and the steel material & forgings have been tested by that Society's Surveyors.*

*To complete the Survey the steam skiving gear quadrant & tiller and relieving tackle require to be fitted and tested, the fore-castle deck tested by hose after fitting deck plates over hawse pipes, and the engine & boiler casings riveted up after engines are shipped. The vessel has left for Glasgow where the engines will be shipped & the survey completed. The Glasgow Surveyors have been advised.*

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

**Plans to be forwarded with F.E. Report showing vessel as built.**

**The amount of Entry Fee** *£ 100 : 0 : 0*

**Special Survey Fee** *£ 100 : 0 : 0*

**Travelling Expenses** *£ 20 : 0 : 0*

**Fees applied for** *29-11-1919*

**Received by me** *9/11/1920*

**State whether the Vessel has been built under Special Survey** *Yes*

**I am of opinion this Vessel should be Classed** *100A1*

**With, or without Freeboard, as condition of Class** *without*

**Committee's Minute** *FRI-FEB-6-1920*

**Character assigned** *100A1*

**Lloyd's A.R.C.P.**

**L.M.C. 1.20**

**Surveyor to Lloyd's Register of Shipping.**

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**W1238-00132**

GENERAL REMARKS—(continued).

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop *33* ft., R.Q.D. ☒ ft., Bridge *100* ft., Forecastle (in feet and tenths). When 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 should appear in the Register Book) *12k (sk)* ✓

Official No. .... ; Signal Letters .....

State if Machinery is fitted aft *no*.

How are the surfaces preserved from oxidation? Inside *Paint & Portland Cement & Bitumastic* Outside *Paint*

**PARTICULARS OF WATER BALLAST.**—State whether the Double bottom is constructed on the cellular system or with girders on floors. *Cellular*

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.
Double bottom, aft,	<i>98</i>	<i>223</i>	Fore peak tank,	
Double bottom, under Engines and Boilers,	<i>39</i>	<i>137</i>	After peak tank,	
Double bottom, if under Engines only,			Deep tank, aft,	
Double bottom, if under Boilers only,			Deep tank, forward,	
Double bottom, forward,	<i>143</i>	<i>390</i>	Other tanks, if fitted,	
	Total capacity of double bottom	<i>750</i>	(If necessary, furnish further information by sketch.)	

\* 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. *675*

Date *1st August 1919*

No. *89* in builder's yard.

DATES of Surveys held while building

*From 30th July 1919 to 26th Nov 1919.*

Surveyor's Signature *J. Kendall*

Lloyd's Register Foundation