

1st 2 Dks., R.Q. Dk.,  
and Pt. Awng. Dk.

# IRON OR STEEL STEAMER.

SEP 17 1901

No. 19241

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

Received at London Office.

Date of completion of Report *14th September*

Port of *Glasgow*

Date, First Survey *10 January*

Last Survey *30 August 1901*

Survey held at *Paisley*

On the *Steel Screw Steamer "CARLSTON"*

Rig *Schooner*

Master *J. Mc. Conquodale*

Year of appointment *(1) As master in service of owner of present vessel: -18 ✓  
(2) As master of this vessel: 1901*

Built at *Paisley*

When built *1901* Launched *16th July*

By whom built *J. Fullerton & Co.*

Owners *Paton & Hundry*

Managers *(Where necessary to be entered in Reg. Book.)*

Residence *Glasgow*

Port belonging to *Glasgow*

and *Yes*

TONNAGE under Tonnage Deck	444.41
Do. of Poop	
Do. of Raised Qr. Dk. or Break..	102.39
Do. of Bridge House	18.63
Do. of Forecastle	
Do. of Houses on Deck	13.31
Do. of excess of Hatchways	32.94
Do. above Crown of Engine Room ..	47.22
Gross Tonnage	658.90
Less Crew Space	42.02
Less above Crown of Engine Room ..	47.22
FEES ..	569.66
Room on Spaces	360.24
on of Engine Room	47.22
onnage	232.43
Beam ..	

ONE ~~OR TWO~~ DECKED VESSEL.

CLASS *R100A1* Well Deck.

Half Breadth (moulded)	14.50
Depth from upper part of Keel to top of Main Deck Bms. (with the normal round up of beam)	13.96
Girth of Half Midship Frame (as per Rule)	26.00
1st Number	54.46
Length on deck from after part of stem to fore part of stern post	183.86
2nd Number	10013
Proportions—Breadths to Length	6.34
Depths to Length—Main Deck to top of Keel.....	13.17
Destined Voyage <i>Bristol Channel</i> If Surveyed while Building, Afloat, or in Dry Dock <i>Yes</i>	

on Deck as	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with Flat laid
	183	10 2/4	Moulded .....	29	0	Top of Floors to top of Main Deck Beams .....	10	9 1/2	On
of Ship per Register, Length,	185.2		breadth,	29.2		depth,	10.5		Moulded Depth, 13 ft. 4 ins. Round of Beam, Actual 7 1/2 ins.

FRAMING.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
Angles, <i>E</i> , <i>E</i> , Bars, for 1/2 length amidships .....	7	3	7	7	3
at each end IN WAY OF AFTER HOLE	7 1/2	3	8	7 1/2	3
ay of Double Bottoms at Solid Floors ..	3 1/2	3	6	3 1/2	3
wards & aft of hold ..	3 1/2	3	5	3 1/2	3
f Frames from moulding edge to edge, all fore and aft .....		22		22	
ED FRAME, Angles .....	3	2 1/2	5	3	2 1/2
FRAMING, depth of girder .....					
depth and thickness of Floor Plate) at mid-line for 1/2 length amidships .....	18		6	18	6
way of Engines and Boilers .....			8		8
ickness at the ends of vessel .....			5		5
th at 1/2 the half breadth, as per Rule ..	12			12	
ght extended at the Bilges .....	<i>Straight across</i>				
& BRACKETS, in <i>Gen Dble Bottoms</i> ..			6		6
Distance apart .....	22			22	
GIRDER, in Double Bottom, depth) and thickness .....	20		8	20	8
Angles, Top .....	3 1/2	3 1/2	7	3 1/2	7
Bottom .....	4	3	6	4	3
RDERS, number on each side & thickness	3		6	3	6
Angles .....	3	2 1/2	6	3	2 1/2
PLATE, depth (exclusive of flange) and thickness .....	29		6	29	6
Angles to Outside Plating .....	3	3	7	3	7
BOTTOM PLATING, breadth and thickness of Middle Line Strake) ..	48		7	48	7
thickness in Engine and Boiler space					
Remainder in Holds .....			6		6
Main and Raised Quarter Deck, Angle, Bulb Angle, Plate or Tee Bulb) ..	5 1/2	3	7	5 1/2	3
per Edge .....					
Ave. .....	22			22	
Lower Deck, Single Angle, Bulb) Angle, Plate or Tee Bulb .....					
Angles on Upper Edge .....					
Average space .....					
Hold, Plate or Tee Bulb .....					
Angles on Upper Edge .....					
Average space .....					
Poop Deck, Angle, Bulb Angle, Plate) or Tee Bulb .....					
Angles on Upper Edge .....					
Average space .....					
Bridge or Pt. Awng Deck, Angle, Bulb Angle, Plate or Tee Bulb) ..	5 1/2	3	7	5 1/2	3
Angles on Upper Edge .....					
Average Space .....	44			44	
Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb) ..	6	3	7	6	3
Angles on Upper Edge .....					
Average space .....	44			44	
RS, In 'tween Decks, Size and Spacing	2 1/2	44		44	
Hold .....	3	44		44	
Quarter, 'tween Dks., ..					
in Hold .....					
WEB FRAMES, In Fore Body, No. and Spacing	4			4	
Brth. & Thickness .....	15		6	15	6
No. of Side Stringers ..					
WEB FRAMES, In E. & B. Space, No. & Spacing	15		6	15	6
Brth. & Thickness .....					
WEB FRAMES, In After Body, No. and Spacing					
Brth. & Thickness .....					
No. of Side Stringers ..	2	15	6	2	15
Size of Angles on Tee Bars to Web Frames	3	2 1/2	5	3	2 1/2
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness .....					

FORGINGS AND CASTINGS.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
KEEL, Bar or Side Plates depth and thickness	<i>Flat plate</i>				
STEM, moulding and thickness .....	7 x 1 1/4		7 x 1 1/4		
STERN-POST for Rudder do. do. ....	6 3/4 x 4		6 3/4 x 4		
for Propeller .....	4 1/2		4 1/2		
MAIN PIECE of Rudder, diameter at head, do. at heel ....	3 x 3 3/4		3 x 3 3/4		
RUDDER, how constructed <i>Forged iron frame, single plate 1 1/2</i>					
Can the Rudder be unshipped afloat? <i>Yes</i>					
KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate) ..	7 1/2		8	7 1/2	8
Rider Plate .....	8 1/2		8	8 1/2	8
Bulb Plate to Intercoastal Keelson, PLATE ..			6		6
Horizontal Plates on Floors .....	4	3	6	4	3
Angles .....	4	3	6	4	3
SIDE KEELSON, Angles. <i>In Machinery Space</i> ..	3	6	4	3	6
Bulb or Plate above floors for lng. ..					
Intercoastal Plate for <i>Amplem</i> length ..	3	2 1/2	5	3	2 1/2
Attached to outside plating with Angle ..	4	3	6	4	3
BILGE KEELSON, Angles .....	4	3	6	4	3
Bulb Plate above floors for len. ..	7		6	7	6
Intercoastal Plate for <i>In machinery space</i> length ..					
Attached to outside plating with Angle ..	4	3	6	4	3
BILGE STRINGER Angles <i>In way of M.D.F.</i> ..	4	3	6	4	3
Bulb Plate for length ..	7	3	10	7	3
Intercoastal Plate for <i>full</i> length ..	14 1/2		8	14 1/2	8
Attached to outside plating with Angle ..	3	2 1/2	5	3	2 1/2
SIDE STRINGER Angles .....	4	3	6	4	3
Bulb or Intercoastal Plate for 315 lng. ..	7		6	7	6
Attached to outside plating with Angle ..					
Main and Raised Quarter Deck Stringer) Plate, breadth and thickness .....	44	9		44	9
Angle on ditto .....	3 1/2 x 3 1/2	7	3 1/2 x 3 1/2	7	
Tie Plates fore & aft, outside Hatchways ..	<i>Deck plating inward in thickness at large openings</i>				
Diagonal Tie Plates on Bms., No. of Pairs ..	<i>5/16</i>			<i>5/16</i>	
Main Dk* Iron or Steel for <i>full</i> lng. ..	<i>5/16</i>			<i>5/16</i>	
R. Q. Dk* Iron or Steel for <i>full</i> lng. ..	<i>5/16</i>			<i>5/16</i>	
Wood Deck, Material & thickness ..					
Lower Deck Stringer Plate, breadth and thickness .....					
Angles on ditto, No. ....					
Tie Plates, outside Hatchways .....					
Deck* Material and thickness ..					
Hold Stringer Plate .....					
Angles on ditto, No. ....					
Poop Deck Stringer Plate, breadth & thickness ..					
Angle on ditto .....					
Tie Plates .....					
Deck, Material and thickness ..					
Bridge Deck Stringer Plate, brth & thickness ..	15	5/16	15	5/16	
Angle on ditto .....	3 x 2 1/2	6	3 x 2 1/2	6	
Tie Plates .....	6	5/16	6	5/16	
Deck, Material and thickness ..	2 1/2		2 1/2		
Forecastle Deck Stringer Plate, brth & thcknss ..	35	5/16	35	5/16	
Angle on ditto .....	3 x 2 1/2	6	3 x 2 1/2	6	
Tie Plates <i>Iron</i> ..	30 to 60	5/16			
Deck, Material and thickness ..	3 1/2		2 1/2		

BULKHEADS.	Number.	Thickness.	Horizontal.	Vertical.	Single or Double Frames.	Height up.
In Vessel.	Per Rule.	16 lbs	Size.	Spacing.	Size.	Spacing.
W.T. BULKHEADS	3	3	5/16	3 1/2 x 3 x 6/20	48	2020
PARTITION ..						
LONGITUDINAL ..						
Are the outside Plates doubled two spaces of Frames in length? <i>Yes</i>						
Are the Stairs Vales and Watertight Doors in efficient working order? <i>Yes</i>						



PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		RIVETING.					
	AMIDSHIP.	FORWARD.	AFT.	THICKNESS.	AMIDSHIP.	THICKNESS.	Single or Double.	Breadth of Lap.	RIVETS.	Double or Triple and for what Length.	RIVETS.	STRAPS.	IF LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Inches.	Inches.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.
FLAT PLATE KEEL	32	12	9	9	32	9	10	3	1/2	3/4	1/2	3/4	14	7 1/2
GARBOARD OF A STRAKE	36	9	8	8	36	8	10	3	1/2	3/4	1/2	3/4	14	7 1/2
B "		8	7	7		7								
C "		8	7	7		7								
D "		9	8	8		8								
E "		9	8	8		8								
F "		8	7	7		7								
G "		7	6	6		6								
H "	34	10	8	8	34	10	5 1/2	7/8	3/4	1/2	3/4		9	
J "														
K "														
L "														
M "														
N "														
O "														
P "														
DOUBLING OF FLAT PLATE KEEL														
Length of Bilges														
Length of Sheerstrakes														
Length of Strake below														
POOP SIDES		9												
RAISED QUARTER DECK SIDES														
BRIDGE SIDES		5												
FORECASTLE SIDES			5											
LENGTHS OF PLATING														

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, outside Plating, &c. *Connell's process*

Has the Steel been tested as required by the Rules *Yes*

FRAMES extend in one length from keel to tankside and from tankside to gunwale, and keel to gunwale in machinery space

REVERSED FRAMES on floors and frames extend from centre to deck in fore peak, and centre to hold stringer and deck alternately in Machinery space.

MASTS, SPARS, &c.

LOWER MASTS.	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLS.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Fore	Pine	58-0					14				
Main	"	53-0					14				
Mizen	"	46-0					12				

Bowsprit *Yes*

Topmasts, Yards and Remainder of Spars *Patch pine*

Rigging, Material and Size, Shrouds *Calcut steel wire 2 1/2"*

Sails, *One* Suit of Sails and the following spare sails *Yes*

EQUIPMENT No. 11009 LETTER *J* TONNAGE FOR TRAWLERS *U.D.K.*

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE		WEIGHT REQUIRED BY TABLE 22		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	Cwts.	qrs.	Cwts.	qrs.	Cwts.	qrs.			
22156	1st Bower	17	0	11	10	18	5	0	0	16	3	0
22157	2nd "	17	0	7	4	18	5	0	0	16	3	0
22158	3rd "	14	3	0	4	16	5	2	14	2	0	0
	Collective weight	48	3	18		48	0	0				
22148	Stream	4	3	7	1	7	2	2	0	4	3	0
22147	Kedge	2	2	0	2	21	5	0	0	2	2	0

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 Towline.	Fathoms and Size Per Table 22.
			Tons.	Per Table 22.	Supplied.	Per Table 22.									
21761	210 2/3	1 1/2	42 1/4	28 7/8	168	0	14	210 x 1 1/2	Ated Sink	Taylor & Son, Ltd., 9-5-01, Perim.	TOWLINE	Manilla	75	8 1/2	75 x 8 1/2
											HAWSER	90	6	90 x 6	
											WARP	90	4	90 x 4	

HAWSERS AND WARPS.

Boats *2 Lifeboats and one other*

Pumps, Number *Four* Diameter of Barrel *5 1/2"* State whether they are in efficient working order *Yes*

Windlass is *by Clarke Chapman & Co.* Capstan *by Alley, Macmillan.*

Engine Room Skylights.—How constructed? *Leak*

What arrangements for deadlights in bad weather? *Iron rods to protect glass*

Coal Bunker Openings.—How constructed? *Plates and angles* How are lids secured? *Patented down* Height above deck? *6-6*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *On each side, Scuppers 3 in well, 4 aft. 3 Ports 5, 30 x 17.*

Ceiling in Holds, thickness and material *3/2 W.P.M.* Ceiling 'tween Decks, thickness and material *2" W.P.M. spanning*

Cargo Hatchways.—How formed? *Plates and angles.* Hatches.—If strong and efficient? *2 1/2 solid.*

State size No. 1 Hatch (Forward) *34-10 x 16-0* No. 2 Hatch *32-0 x 16-0* No. 3 Hatch *✓* No. 4 Hatch *✓*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *Three web plates and three fore and afters in each hatch.* No. of Breasthooks *Five* No. of Crutches *14* duplons

Bulwarks, height above deck and description *4-3 5 1/2" steel* Main Rail, material and size *7 x 3 1/2" steel*

The above is a correct description.

Builder's Signature (here only) *John Luccet* Surveyor's Signature *Allison B. Wilson.*

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 the case)

*M.Y. 11-00. 5-12-00. 18-6-01* *8-12-2-01*

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? *a 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 *satisfactory*

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

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

This vessel has been built in accordance with the approved plans. The Secretary, Letter of the above date and in general conformity to the Rules for the class contemplated.

Accompanying this Report, plans of Midship Section, Profile and Deck, pumping arrangements and Report on Ship's Gearing.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. or Break *101-32* ft., Bridge Dk. *11-0* ft., Forecastle *34-0* ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated *The R.Q.D. and Bridge are joined*

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)

Official No. *113975*; Signal Letters *✓*

How are the surfaces preserved from oxidation? Inside *Portland Cement and Paint* Outside *Paint.*

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

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,		
Double bottom, under Engines and Boilers,	✓		After peak tank,	✓	81
Double bottom, if under Engines only,	✓		Midship deep tank,	✓	
Double bottom, if under Boilers only,	✓		Other tanks, if fitted,	✓	
Double bottom, forward,	99-0	178	(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. *3439*

Date *15/12/00.*

No. *159* in builder's yard

DATES OF SURVEYS held while building

1901: Jan. 10. 14. 23. 24. 19. Feb. 4. 6. 7. 18. 27. Mar. 7. 15. 20. 29. Apr. 5. 10. 11. 18. 24. May. 1. 10. 15. 27. 31. Jun. 12. 19. 24. 28. July. 9. 13. 19. 23. 31. Aug. 5. 12. 15. 16. 19. 21. 28. 30.

Total No. of Visits *41*

The amount of Entry Fee *£ 10*

Special *£ 10*

Certificate *£ 10*

Traveling Expenses, if any *£ 10*

Fees applied for, *16/9/1901*

Received by me, *19/9/01*

\* Certificate to be sent to *Glasgow.*

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

I am of opinion this Vessel should be Classed *100 A1. "Well Deck."*

With, or without Freeboard, as condition of Class

Committee's Minute *Glasgow, 18 SEP. 1901*

Character assigned *100 A1 (Steel) 100% S.C.P.*

(Well deck) *James B. Orr*

After fees paid

Allison B. Wilson.

Surveyor to Lloyd's Register of British and Foreign Shipping.