

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

# IRON OR STEEL STEAMER.

Received at London Office, SAT. MAR 7 1896

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

Date of completion of Report 6 March 1896

Date, First Survey, 27 August 1895

Port of Glasgow

Last Survey 27 February 1896

Rig Schooner 3 Masts

Master D. Mc Intyre

Year of appointment (1) As master in service of owner of present vessel: 1896 (2) As master of this vessel: 1896

Built at Bowling

When built 1896 Launched 15 Feb 1896

By whom built Scott & Sons

Owners W. Robertson

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

Residence 15 Gordon St. Glasgow

Port belonging to Glasgow

and Port belonging to Glasgow

Surveyed while Building, Afloat, or in Dry Dock

TONNAGE under Tonnage Deck... 454.5  
Do. of Poop 93.89  
Do. of Raised Qr. 33  
Do. of Break... 43  
Do. of Bridge House 14.95  
Do. of Forecastle 17.55  
Do. of excess of Hatchways above Crown of Engine Room 44.89  
Gross Tonnage 672.78  
Less Crew Space 50.09  
Less above Crown of Engine Room 44.89  
TONNAGE FOR FEES 577.80  
Less Engine Room 396.41  
Less Navigation Spaces 27.36  
Register Tonnage 198.92  
as cut on Beam

ONE OR TWO DECKED VESSEL.

CLASS 100A 1

FEET.

Half Breadth (moulded) 14.50

Depth from upper part of Keel to top of Main Deck Bms. 13.66

Girth of Half Midship Frame (as per Rule) 25.41

1st Number 53.57

Length 183.63

2nd Number 9847

Proportions—Breadths to Length 6.33

Depths to Length—Main Deck to top of Keel 13.44

Destined Voyage Coastal

LENGTH on Deck as per Rule 183 Feet. 7 1/2 Inches. BREADTH Moulded 29 Feet. 0 Inches. DEPTH—Top of Floors to Main Deck Beams 10 Feet. 9 Inches. Power of Engines 90 Horse. No. of Decks with Flat laid 1 No. of Tiers of Beams 1  
Dimensions of Ship per Register, Length, 185.0 breadth, 29.1 depth, 10.8 Moulded Depth, ft. 12 ins. 11 Round of Beam 10 inches.

FRAMING.							FORGINGS AND CASTINGS.							Inches per Rule. Or as Approved.	
	Inches in Ship.	Inches in Ship.	16ths in Ship.	Inches per Rule Or a	Inches per Rule s Appro	16ths or 20ths per Rule ved.		Inches in Ship.	Inches in Ship.	16ths in Ship.	Inches per Rule Or a	Inches per Rule s Appro	16ths or 20ths per Rule ved.		
FRAM. Angles, 7/8 x 3/4 Bars, for 2 length amidships	3 1/2	3	6	3 1/2	3	6	KEEL, Bar or Side Plates depth and thickness	7 1/2 x 3/8	✓	7 1/2 x 3/8	✓	7 1/2 x 3/8	✓	7 1/2 x 3/8	
Do. for 1/2 at each end	3 1/2	3	5	3 1/2	3	5	STEM, moulding and thickness	7 1/2 x 2 1/4	✓	7 1/2 x 2 1/4	✓	7 1/2 x 2 1/4	✓	7 1/2 x 2 1/4	
Do. in way of Double Bottoms at Solid Floors	3	3	6	3	3	6	STERN-POST for Rudder do. do.	7 1/2 x 4 1/4	✓	7 1/2 x 4 1/4	✓	7 1/2 x 4 1/4	✓	7 1/2 x 4 1/4	
" " at intermdt. Bkts.	3 1/2	3	6	3 1/2	3	6	" for Propeller	7 1/2 x 4 1/4	✓	7 1/2 x 4 1/4	✓	7 1/2 x 4 1/4	✓	7 1/2 x 4 1/4	
Distance of Frames from moulding edge to moulding edge, all fore and aft	22		✓	22			MAIN PIECE of Rudder, diameter at head	4 3/4	✓	4 3/4	✓	4 3/4	✓	4 3/4	
REVERSED FRAME, Angles	3	2 1/2	5	3	2 1/2	5	do. at heel	2 3/4	✓	2 3/4	✓	2 3/4	✓	2 3/4	
DEEP FRAMING, depth of girder	21		7	21		7	RUDDER, how constructed	Forged Frame. Plate sides							
FLOORS, depth and thickness of Floor Plate at mid line for 2 length amidships	21		7	21		7	Can the Rudder be unshipped afloat?	Yes							
" in way of Engines and Boilers			6			6	KEELSONS AND STRINGERS.								
" thickness at the ends of vessel			6			6	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	12		9	12		9		
" depth at 2/3 the half breadth, as per Rule			5			5	" Rider Plate	8 1/2		9	8 1/2		9		
" height extended at the Bilges			5			5	" Bulb Plate to Intercoastal Keelson								
FLOORS & BRACKETS, in Cell Dble Bottoms			5			5	" Horizontal Plates on Floors								
" Distance apart	44		✓	44			" Angles	4	3	6	4	3	6		
CENTRE GIRDER, in Double Bottom, depth and thickness	35		9	35		9	SIDE KEELSON, Angles, in E. & B. space	4	3	6	4	3	6		
" Angles, Top	3 1/2	2 1/2	7	3 1/2	2 1/2	7	" Bulb or Plate above floors for	6 1/2		6	6 1/2		6		
" Bottom	Side Bar Keel						" Intercoastal Plate for								
SIDE GIRDERS, number and thickness	2		5			5	" Attached to outside plating with Angle								
" Angles	3	3	6	3	3	6	BULGE KEELSON, Angles								
MARGIN PLATE, depth (exclusive of flange) and thickness	24		6	24		6	" Bulb or Plate above floors for								
" Angles	3	3	6	3	3	6	" Intercoastal Plate for								
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	54		6	54		6	" Attached to outside plating with Angle								
" thickness in Engine and Boiler space	None		✓				BILGE STRINGER Angles								
" Remainder in Holds			5			5	" Bulb Plate for								
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb	5 1/2	3	7	5 1/2	3	7	" Intercoastal Plate for								
" Angles on Upper Edge	15		8	15		8	" Attached to outside plating with Angle								
" Average space	22		✓	22			SIDE STRINGER Angles	3 1/2	3 1/2	6	3 1/2	3 1/2	6		
BEAMS, Lower Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb							" Bulb or Intercoastal Plate for	22		6	22		6		
" Angles on Upper Edge							" Attached to outside plating with Angle	3 1/2	3 1/2	6	3 1/2	3 1/2	6		
" Average space							Main and Raised Quarter Deck Stringer Plate, breadth and thickness	40		8	40		8		
BEAMS, Hold, Plate or Tee Bulb							" Angle on ditto	3 1/2 x 3 1/2	✓	3 1/2 x 3 1/2	✓	3 1/2 x 3 1/2	✓		
" Angles on Upper Edge							" Tie Plates fore & aft, outside Hatchways								
" Average space							" Diagonal Tie Plates on Bms. No. of Pairs								
BEAMS, Poop Deck, Angle, Bulb, Angle, Plate or Tee Bulb							" Main Dk* Iron or Steel for whole lng.	6.7.8.9		6.7.8.9		6.7.8.9			
" Angles on Upper Edge							" R. Q. Dk* Iron or Steel for whole lng.	6.8	✓	6.8	✓	6.8	✓		
" Average space							" Wood Deck, Material & thickness								
BEAMS, Bridge Deck, Angle, Bulb, Angle, Plate or Tee Bulb	5 1/2	3	7	5 1/2	3	7	Lower Deck Stringer Plate, breadth and 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	4	2 1/2	6	4	2 1/2	6	" Deck* Material and thickness								
" Angles on Upper Edge							Hold Stringer Plate								
" Average space							" Angles on ditto, No.								
PILLARS, In 'tween Decks, Size and Spacing							Poop Deck Stringer Plate, breadth & thickness								
" Hold							" Angle on ditto								
" Quarter, 'tween Dks.,							" Tie Plates								
" in Hold							" Deck, Material and thickness								
WEB FRAMES, In Fore Body, No. and Spacing	4	Spaced as in plans					Bridge Deck Stringer Plate, brdth & thickness	18	6	18	6				
" Brdth. & Thickness	22		6	22		6	" Angle on ditto	3 x 3 x 6	✓	3 x 3 x 6	✓	3 x 3 x 6	✓		
" No. of Side Stringers	22		6	22		6	" Tie Plates								
WEB FRAMES, In E. & B. Space, No. & Spacing	2	Included among others					" Deck, Material and thickness	Y.P.	3	✓	3	✓			
" Brdth. & Thickness	22		6	22		6	Forecastle Deck Stringer Plate, brdth & thcknss	30	6	30	6				
WEB FRAMES, In After Body, No. and Spacing	3	Spaced as in plans					" Angle on ditto	3 x 3 x 6	✓	3 x 3 x 6	✓	3 x 3 x 6	✓		
" Brdth. & Thickness	22		6	22		6	" Tie Plates								
" No. of Side Stringers	22		6	22		6	" Deck, Material and thickness	5.6	✓	5.6	✓	5.6	✓		
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	20		5	20		5	BULKHEADS.								



## RIVETING.

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.: Siemens-Martin Steel.  
Steel Angles. Lanarkshire, Steel Plate. Glydebridge &  
Dalzell. Iron Plate. Edin Hill &c. Middlesboro &  
Stockton Iron Co.

**FRAMES** extend in one length from Keel to margin plate and thence to gunwale ✓

**REVERSED FRAMES** on floors and frames extend from Keel to margin plate on alternate frames and from margin plate on every frame to side stringer and deck alternately. Also in way of R & D to hold stringer and deck alternately. ✓

		Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round	ANGLES.		RIVETING.	
				At Partners	Heel	Hounds.	Head.		Number.	Size.	Squares	Pairs.
LOWER MASTS....	{ Fore ..... Main ..... Mizen.....											
Bowsprit		<i>None</i>										
Topmasts, Yards and Remainder of Spars		<i>P. Pine . Good ✓</i>										
Rigging, Material and Size, Shrouds		<i>3"</i>	<i>Galvanised wire</i>						<i>Stays 3¼ - 2½ galvanised steel wire ✓</i>			
Sails.	<i>One</i>	Suit of						Sails and the following spare sails ✓				

Number of Certificate.	Anchors.	WEIGHT, EX STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQ. BY RULE			Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.				
28677 28678 3324	1st Bower .. 2nd „ .. 3rd „ .. <i>Collective weight</i>	15 15 11 42	0 1 2 0	22 8 14 16	✓ Stockless ✓ do ✓ 2 3 18 ✓			16 16  40	14 16  25	1 2  1	14 7  0	15 15 10 40	0 0 1 0	0 0 0 0	Nortensys Smiths do do Trotmans Ordinary	Nortensys Smiths do do S. Taylor & Son do	R.W. Comm- do Glasgow do	"1/2/95 J. Haxell do do 30/4/94 E. Scott 14/4/95 H. Green 24/4/95 H. Green
37001 37018	Stream .... Kedge ..... 2nd Kedge ..	4 2	0 0	0 2	✓ 1 0 10 ✓ 0 2 7		6 4	7 12	2 2	0 0	0 0	4 2	0 0	0 0	Trotmans Ordinary	Hos. P. Soreau do	Suttonston do	14/4/95 H. Green 24/4/95 H. Green

## HAWSERS AND WARPS.

Boats 3

Pumps, Number 3 hand pumps and engine sections as offered Diameter of Barrel and Tail Pipe 5" barrel and 2" tail pipe ✓

Windlass is Reid & Co. Patent ✓ Capstan do

Engine Room Skylights.—How constructed? Steel casing. Gent. Skylight over ✓

What arrangements for deadlights in bad weather? Glass bull's eyes in steel casing and tarpaulin over skylight ✓

Coal Bunker Openings.—How constructed? Trained Hatchway ✓ How are lids secured? Solid hatches ✓ Height above deck? 7 ft above R. & O. ✓

Number of Scuppers, and number and dimensions of Freeing Ports, &c. 2 scuppers and 3 ports in bulwarks each port 2' 6" x 1' 6" ✓

Ceiling in Holds, thickness and material 2 1/2" P. Pine and 1 1/2" thin dble ✓ Ceiling 'tween Decks, thickness and material 2" P. Pine spanning above ceiling ✓

Cargo Hatchways.—How formed? Coaming of iron 3" x 1/2" ✓ Hatches.—If strong and efficient? Yes Solid 3 ✓

State size No. 1 Hatch (Forward) 4' 6" x 11' 0" ✓ No. 2 Hatch 29' 4" x 14' 0" ✓ No. 3 Hatch 22' 0" x 14' 0" ✓ No. 4 Hatch ✓

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch 2 web plate beams to No. 2 one to No. 3 also 3 fore and afters to each ✓

No. of Breasthooks 3 ✓ No. of Crutches deck floor ✓

Bulwarks, height above deck and description 5' x 4 1/2" iron bulwarks ✓ Main Rail, material and size Channel 6" x 3" x 2" ✓

The above is a correct description.

Builder's Signature (here only.) Scott Sons

Surveyor's Signature J. Shear

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



14270 GLO

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

27/8/95 6/11/95

Workmanship. Are the butts of plating planed or otherwise fitted? Planed and fitted ✓

Is the riveted work properly closed? Yes ✓

Are the liners between the frames and plates solid single pieces? Yes ✓

to plate, &c, conform well to each other? Yes ✓

from the faying surfaces? Yes ✓

Do the holes for riveting plate to frames, butt straps, or plate

Are the rivet holes well and sufficiently countersunk in the plate and punched

Do any rivets break into or through the seams or butts of the plating? No ✓

Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes ✓

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

This is a well deck screw steamer, built in accordance with the approved plans attached hereto and with the Rules generally.

The frames, reverse frames, beams and shell plating are of steel and the floors, bulkheads tank top and deck plating are of iron.

The pumps and the several compartments of double bottom have been tested and found satisfactory.

The materials and workmanship are 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 ✓ ft., R.Q.D. or Break 91 ft., Bridge Dk. 11 ft., F'castle 27 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

R.Q.D. and bridge 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) 1 dk iron ✓

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Paint and Portland Cement ✓ Outside Black varnish ✓

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, forward, Cellular	102 ✓	149 ✓	After peak tank,		22 ✓
Double bottom, under Engines and Boilers,			Midship deep tank,		✓
Double bottom, if under Engines only,			Other tanks, if fitted,		✓
Double bottom, if under Boilers only,			(If necessary, furnish further information by sketch.)		

State whether the above have been tested as required by the Rules Yes ✓

Order for Special Survey No. 2848

Date 28 August 1895

Order for Ordinary Survey No. ✓

Date ✓

No. 116 in builder's yard

DATES 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 1895. Aug 24. Sept 11. 12. 14. 20. 25. 27. Oct 1. 4. 10
- 2nd. On the plating during the process of riveting 16. 18. 21. 29. Nov 1. 7. 11. 13. 18. 21. 26. 28. 29
- 3rd. When the beams were in and fastened and before the decks were laid Dec 4. 11. 13. 17. 20. 27
- 4th. When the ship was complete, and before the plating was finally coated or cemented 1896 Jan 8. 15. 22. 30
- 5th. After the ship was launched and equipped Feb 6. 13. 27

Total No. of Visits 36

The amount of Entry Fee £ 3 : " : " Fees applied for, 4/3 1896

Special £ 28 : 18 : " Certificate to be sent to Glasgow

Certificate £ 2 : " : " Received by me, 5/3 1896

Travelling Expenses, if any £ 2 : " : "

I am of opinion this Vessel should be Classed 100A 1 "Steel"

With, or without Freeboard, as condition of Class

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

Committee's Minute

TUES. MAR 10 1896

Character assigned

Lauch + Lmc 2, 96 100A1 Steel 1st (Iron) + Web frames Wall dk.

Hull Certificate Written.

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