

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

STEEL STEAMER.

Received at London Office JUL 1894

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

Date of completion of Report

Date, First Survey

Port of

Last Survey

Rig

Master

Year of appointment

Built at

When built

Launched 26 June 1894

By whom built

Owners

Managers

Residence

Port belonging to

No. 13092 Survey held at
the Steel Screw Steamer Scotsman

ONE DECKED VESSEL.

CLASS 100A.1.

FEET.

Half Breadth (moulded)

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

Girth of Half Midship Frame (as per Rule)

1st Number

Length

2nd Number

Proportions—Breadths to Length

Depths to Length—Main Deck to top of Keel

Destined Voyage Coasting

If Surveyed while Building, Afloat, or in Dry Dock while building & afloat

DEPTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH—	Feet.	Inches.	Power of	Horse.	No. of Decks with Flat laid
per Rule	109	0 1/2	Moulded	20	0	Top of Floors to Main Deck Beams	8	0 1/2	Engines	35	No. of Tiers of Beams
Dimensions of Ship per Register, Length,	110		breadth,	20 1/2		depth,	8 1/2		Moulded Depth, ft.	9 ins. 0	Round of Beam 4 1/2 inches.

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule or as Approved.	Inches per Rule or as Approved.		Inches in Ship.	Inches in Ship.	Inches per Rule or as Approved.	Inches per Rule or as Approved.	Inches per Rule or as Approved.
NAME, Angles, $\frac{1}{2}$ E or L Bars, for $\frac{1}{2}$ length amidships	2 1/2	2 1/2	5	2 1/2	2 1/2	KEEL, Bar or Side Plates depth and thickness	6 x 1 1/4	6 x 1 1/4	6 x 1 1/4	6 x 1 1/4	6 x 1 1/4
Do. for $\frac{1}{2}$ at each end	2 1/2	2 1/2	5	2 1/2	2 1/2	STEM, moulding and thickness	6 x 1 1/4	6 x 1 1/4	6 x 1 1/4	6 x 1 1/4	6 x 1 1/4
Do. in way of Double Bottoms at Solid Floors	2 1/2	2 1/2	5	2 1/2	2 1/2	STERN-POST for Rudder do. do.	5 3/4 x 2 1/2	5 3/4 x 2 1/2	5 3/4 x 2 1/2	5 3/4 x 2 1/2	5 3/4 x 2 1/2
" " at intermdt. Plats	2 1/2	2 1/2	5	2 1/2	2 1/2	" for Propeller	5 3/4 x 2 1/2	5 3/4 x 2 1/2	5 3/4 x 2 1/2	5 3/4 x 2 1/2	5 3/4 x 2 1/2
Distance of Frames from moulding edge to moulding edge, all fore and aft	20	20	20	20	20	MAIN PIECE of Rudder, diameter at head	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
REVERSED FRAME, Angles	2 1/4	2 1/4	5	2 1/4	2 1/4	do. at heel	2	2	2	2	2
DEEP FRAMING, depth of girder	11	11	11	11	11	RUDDER, how constructed	Forged frame plated sides				
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	6-7	6-7	6-7	6-7	6-7	Can the Rudder be unshipped afloat?	Yes				
" in way of Engines and Boilers	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	KEELSONS AND STRINGERS.					
" thickness at the ends of vessel	22	22	22	22	22	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	8 1/2	7	8 1/2	7	7
" depth at $\frac{1}{2}$ the half breadth, as per Rule	5 1/2	5 1/2	5 1/2	5 1/2	5 1/2	" Rider Plate	6 1/2	7	6 1/2	7	7
" height extended at the Bilges	22	22	22	22	22	" Bulb Plate to Intercoastal Keelson	3 3/4	6	3 3/4	6	6
FLOORS & BRACKETS, in Cell Dble Bottoms						" Horizontal Plates on Floors	3 3/4	6	3 3/4	6	6
" Distance apart						" Angles	3 3/4	6	3 3/4	6	6
CENTRE GIRDER, in Double Bottom, depth and thickness						SIDE KEELSON, Angles, through Hold	3 3/4	6	3 3/4	6	6
" Angles, Top						" Bulb or Plate above floor for length					
" Bottom						" Intercoastal Plate for length					
SIDE GIRDERS, number and thickness						" Attached to outside plating with Angle	3 3/4	6	3 3/4	6	6
" Angles						BILGE KEELSON, Angles	3 3/4	6	3 3/4	6	6
MARGIN PLATE, depth (exclusive of flange) and thickness						" Bulb or Plate above floors for length					
" Angles						" Intercoastal Plate for length					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						" Attached to outside plating with Angle					
" thickness in Engine and Boiler space						BILGE STRINGER Angles	3 3/4	6	3 3/4	6	6
" Remainder in Holds						" Bulb Plate for length					
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	3	2 1/2	6	3	2 1/2	" Intercoastal Plate for length					
" Angles on Upper Edge						" Attached to outside plating with Angle					
" Average space	20	20	20	20	20	SIDE STRINGER Angles	3 3/4	6	3 3/4	6	6
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						" Bulb or Intercoastal Plate for length					
" Angles on Upper Edge						" Attached to outside plating with Angle					
" Average space						Main and Raised Quarter Deck Stringer Plate, breadth and thickness	28	6 1/2	28	6 1/2	6 1/2
BEAMS, Hold, Plate or Tee Bulb						" Angle on ditto	3 x 3 x 6	6	3 x 3 x 6	6	6
" Angles on Upper Edge						" Tie Plates fore & aft, outside Hatchways					
" Average space						" Diagonal Tie Plates for Bms. No. of Pairs					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						" Main Dk* Iron or Steel for whole length	5 1/6	5 1/6	5 1/6	5 1/6	5 1/6
" Angles on Upper Edge						" R. Q. Dk* Iron or Steel for whole length	5 1/6	5 1/6	5 1/6	5 1/6	5 1/6
" Average space						" Wood Deck, Material and thickness					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	3	2 1/2	6	3	2 1/2	Lower Deck Stringer Plate, breadth and thickness					
" Angles on Upper Edge						" Angles on ditto, No.					
" Average space	40	40	40	40	40	" Tie Plates, outside Hatchways					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	4 1/2	3	6	4 1/2	3	" Deck* Material and thickness					
" Angles on Upper Edge						Hold Stringer Plate					
" Average space	40	40	40	40	40	" Angles on ditto, No.					
PILLARS, In 'tween Decks, Size and Spacing						Roop Deck Stringer Plate, breadth & thickness					
" Hold	2 1/2	40	2 1/2	40	40	" Angle on ditto					
" Quarter, 'tween Dks., "						" Tie Plates					
" in Hold						" Deck, Material and thickness					
WEB FRAMES, In Fore Body, No. and Spacing						Forecastle Deck Stringer Plate, brdth & thcknss					
" Brdth. & Thickness						" Angle on ditto					
" No. of Side Stringers						" Tie Plates					
WEB FRAMES, In E. & B. Space, No. & Spacing						" Deck, Material and thickness					
" Brdth. & Thickness						Longitudinal					
" No. of Side Stringers											
WEB FRAMES, In After Body, No. and Spacing											
" 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											

PLATING.

RIVETING.

[illegible]

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 Coy. of Scotland, Clydebridge
Remarks: Fine Steel Coy. Dalzell.

Main Stringer Plate { **Butts**, treble riveted for *half* length amidship.
Straps, single, double or overlapped for *whole* length amidship.
Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted *treble & double*.
Inner Bottom Plating, riveting of Edges — **Butts**.
Centre Girder Butts, — riveted. **Keelson Butts**, *treble* riveted.
Frames, riveted through Plates with *5/8* in. Rivets, about *4 3/8* apart.
Rivets, state whether of Iron or Steel — *200*.

FRAMES extend in one length from Keel to gunwale
 REVERSED FRAMES on floors and frames extend from centre line to upper turn of bilge stringer
on every frame in way of main deck

MASTS, SPARS, &c.

	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Scams.	Butts.
LOWER MASTS....	Fore	P. Pine poles									
	Main										
	Mizen:										
Bowsprit											
Topmasts, Yards and Remainder of	Spars										
Rigging, Material and Size, Shrouds	Steel wire	2 1/2"	2 1/4"				Stays	3 1/4"	1 3/4"	2 1/2"	1 1/2"
Sails.	one	Suit of					Sails and the following spare sails				

EQUIPMENT No. 4294 LETTER 6 TONNAGE FOR TRAWLERS U.Dk.
ANCHORS.

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.			
16314	1st Bower ..	4	1	8	1	0	13	6	18	0	0	4	1	0	Ordinary	J. Green	Lipton 23/5/94 E.R. Sait
16315	2nd „ ..	4	1	1	1	0	9	6	15	0	0	4	1	0	"	"	" " "
	3rd „ ..																
	Collective weight	8	2	9								8	2	0			
	Stream	1	2	12	with stock							1	1	0	"		
	Kedge	0	2	16								0	2	0	"		
	2nd Kedge ..																

If Patent state Name of Patentee.

CHAIN CABLES.

HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.
				Supplied.	Per Rule.									
14525	120	3/4	7.10/8 6.6/8-1/8	35.1.5	34.2.7	120 12/16	Standard J. Green	Lipton 31/5/94 P.P.S.H.		TOWLINE HAWSER WARP	75' 6" 90' 4"	6" 4"		75' 6" 90' 4"
14526 Iron Steam Chain or Steel Wire...	45 1/2	9/16	12.30/4 8.17/4	9.2.3	9.3.0	45 9/16	Standard	"	" " " "					

Boats *Two life boats*
Pumps, Number *Two, one in hold one in peak* Diameter of Barrel and Tail Pipe *4 1/2" 2 1/2" barrels 2 1/4" 1 1/4" pipes*
Windlass is *Fisher & Coys patent* Capstan
Engine Room Skylights. — How constructed? *Leak frame on trunk casings.*
What arrangements for deadlights in bad weather? *Bulls eyes*
Coal Bunker Openings. — How constructed? *Cast iron rims* How are lids secured? *with chutes* Height above deck? *Flush.*
Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Three scuppers & 3 ports 2' 7" x 1' 7" on each side of m. D.*
Ceiling in Holds, thickness and material *W. P. 2"* Ceiling 'tween Decks, thickness and material *W. T. sparring 6" x 2"*
Cargo Hatchways. — How formed? *Plates and angles* Hatches. — If strong and efficient? *Solid 2 1/2"*
State size No. 1 Hatch (Forward) *23' 4" x 10' 0" x 27'* No. 2 Hatch *✓* No. 3 Hatch *✓* No. 4 Hatch *✓*
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *Two web plates and one F. & A. in hatch.*
No. of Breasthooks *3* No. of Crutches *one & dup floors*
Bulwarks, height above deck and description *Steel 1/4" 3' 6"* Main Rail, material and size *angle and bent iron*
The above is a correct description.
Builder's Signature (here only.) *John H. Gilmore* Surveyor's Signature *Charles Edwards*
Surveyor to Lloyd's Register of British and Foreign Shipping.

1309295

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

28th Feb 1894 (M) 24th April 1894 (E) 12th June 1894 (M)

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

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

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

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

Materials and Workmanship good throughout. This is a steel screw steamer built in accordance with the approved midship section forwarded to London on the 30th June last. The enclosed sketches and Secretary's letters of the above dates. The fore peak tank was tested by water pressure prior to launching and proved satisfactory. The after compartment was filled with water and found satisfactory.

Beck pumps and sluice valve in good working order

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 36.75 ft., R.Q.D. or Break 36.75 ft., Bridge Dk. 6.75 ft., F'castle 17.5 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

Raised quarter deck and short open bridge combined.

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) one deck iron one tier of beams

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Cement and paint

Outside Paint

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

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	16.6	25
Double bottom, forward,			After peak tank,		
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

Order for Special Survey No. 2468

Date 3rd March 1894

Order for Ordinary Survey No.

Date

No. 20 in builder's yard

- 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

1894. - Mar 13, 29, Apr 6, 16, 27 May 1, 11, 17, 22, 29, June 5, 8, 19, 21, 25, July 3, 12

Total No. of Visits 17

The amount of Entry Fee£ 1 : 4 : 14

Special.....£ 4 : 5 : 14

Certificate* £ " : " : 19/4/1894

Travelling Expenses, if any £ 4 : 3 : 4

Fees applied for, 19/4/1894

Received by me, 19/4/1894

* Certificate to be sent to

Glasgow

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class

100A.1. Steel

Charles Edwards.

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

Committee's Minute

Character assigned

TUES. 24 JUL 1894

100A.1 (steel)
1 Dk (Iron) well deck

cem. La & BR
+ L.M.C. 7.94

This vessel appears to have been built in accordance with the rules and the approved plans, and it is submitted she is eligible to be classed 100A1 (Steel) as recommended.

+ 100A.1. (Steel)

1 Dk (Iron) "well deck"

W.B. = F.P.T. 25E

cem

Lloyd's Register Foundation

GLS170-0178 (2/2)