

For 2 Dks., R.Q. Dk.,  
and Pt. Awng. Dk.

# IRON OR STEEL STEAMER.

Received at London Office. **THURS. APR. 1894**

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

Date of completion of Report

Date, First Survey **2<sup>nd</sup> Nov. 1893**

Port of **Glasgow**

Last Survey **18<sup>th</sup> April**

1894.

Rig **Schooner**

Master **G. Newton**

Year of appointment (1) As master in service of owner of present vessel: 1876  
(2) As master of this vessel: 1894

TONNAGE under Tonnage Deck... **150.69**

ONE OR TWO DECKED VESSEL.

CLASS **\* 100 A.1**

FEET.

Do. of Poop **19.98**

Do. of Raised Qr. **6.99**

Do. of Break... **10.2**

Do. of Bridge House **13.33**

Do. of Forecastle **187.02**

Do. of Houses on Deck **17.83**

Do. of excess of Hatchways **13.33**

Do. above Crown of Engine Room **103.80**

Gross Tonnage **17.82**

Do. Crew Space **7.82**

Do. above Crown of Engine Room **58.17**

Do. for Fees **109 10**

Do. Engine Room **20**

Do. Navigation Spaces **9 6 1/2**

Do. Power of Engines **0**

Do. Horse. **1**

Do. No. of Decks with Flat laid **one**

Do. No. of Tiers of Beams **one**

Half Breadth (moulded) **10.0**

Depth from upper part of Keel to top of Main Deck Bms. **9.55**

Girth of Half Midship Frame (as per Rule) **17.75**

1st Number **37.3**

Length **109.92**

2nd Number **41.00**

Proportions—Breadths to Length **5.49**

Depths to Length—Main Deck to top of Keel **11.5**

Destined Voyage **Coasting**

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

LENGTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH—	Feet.	Inches.	Power of	Horse.	No. of Decks with Flat laid
per Rule	109	10	Moulded	20		Top of Floors to Main Deck Beams.	9	6 1/2	Engines		one

Dimensions of Ship per Register, Length, **110** breadth, **20.05** depth, **9.35** Moulded Depth, ft. **9** ins. **0** Round of Beam **6 1/2** inches.

FRAMING.						FORGINGS AND CASTINGS.					
Inches in Ship.	Inches in Ship.	Inches at 20ths in Ship.	Inches per Rule Or as	Inches per Rule as	Inches per Rule as	Inches in Ship.	Inches in Ship.	Inches at 20ths in Ship.	Inches per Rule Or as	Inches per Rule as	Inches per Rule as
FRAME, Angles, <b>L</b> or <b>L</b> Bars, for $\frac{1}{2}$ length amidships						<b>KEEL, Bar or Side Plates</b> depth and thickness <b>6 1/2 x 1 1/2</b>					
Do. for $\frac{1}{2}$ at each end						<b>STEM</b> , moulding and thickness	<b>5 1/4 x 1 1/2</b>		<b>5 1/4 x 1 1/2</b>		
Do. in way of Double Bottoms at Solid Floors						<b>STERN-POST</b> for Rudder do. do.	<b>5 1/4 x 2 1/2</b>		<b>5 1/4 x 2 1/2</b>		
Distance of Frames from moulding edge to moulding edge, all fore and aft	<b>21</b>		<b>21</b>			for Propeller	<b>5 1/4 x 2 1/2</b>		<b>5 1/4 x 2 1/2</b>		
<b>TRANSVERSE FRAME</b> , Angles	<b>2 1/2</b>	<b>2 1/2</b>	<b>5</b>	<b>2 1/2</b>	<b>5</b>	<b>MAIN PIECE</b> of Rudder, diameter at head	<b>3 1/2</b>		<b>3 1/2</b>		
do. depth of girder						do. at heel	<b>2 3/8</b>		<b>2 3/8</b>		
do. depth and thickness of Floor Plate	<b>1 1/2</b>		<b>5</b>	<b>1 1/2</b>	<b>5</b>	<b>RUDDER</b> , how constructed <b>Ordinary</b>					
do. at mid-line for $\frac{1}{2}$ length amidships						Can the Rudder be unshipped afloat? <b>Yes</b>					
do. in way of Engines and Boilers			<b>6.7</b>		<b>6.7</b>	<b>KEELSONS AND STRINGERS.</b>					
do. thickness at the ends of vessel			<b>5 3/4</b>		<b>5</b>	<b>CENTRE LINE KEELSON</b> , Vertical Plate above floors, Through Plate, or Intercoastal Plate		<b>5</b>		<b>5</b>	
do. depth at $\frac{1}{2}$ the half breadth, as per Rule	<b>6</b>		<b>5 3/4</b>			do. Rider Plate					
do. height extended at the Bilges	<b>23</b>		<b>23</b>			do. Bulb Plate to Intercoastal Keelson	<b>5</b>	<b>5</b>	<b>5</b>	<b>5</b>	
<b>FLOORS &amp; BRACKETS</b> , in Cell Dble Bottoms						do. Horizontal Plates on Floors					
Distance apart						do. Angles	<b>3</b>	<b>3</b>	<b>6/16</b>	<b>3</b>	<b>3</b>
<b>CENTRE GIRDER</b> , in Double Bottom, depth and thickness						<b>SIDE KEELSON</b> , Angles	<b>3</b>	<b>3</b>	<b>6/16</b>	<b>3</b>	<b>3</b>
Angles, Top						do. Bulb or Plate above floors for length					
Angles, Bottom						do. Intercoastal Plate for in hold for whole length		<b>5</b>		<b>5</b>	
<b>SIDE GIRDERS</b> , number and thickness						do. Attached to outside plating with Angle					
Angles						<b>BILGE KEELSON</b> , Angles	<b>6</b>	<b>4</b>	<b>6/16</b>	<b>6</b>	<b>4</b>
<b>GIN PLATE</b> , depth (exclusive of flange) and thickness						do. Bulb or Plate above floors for length					
Angles						do. Intercoastal Plate for length					
<b>INNER BOTTOM PLATING</b> , breadth and thickness of Middle Line Strake						do. Attached to outside plating with Angle					
do. thickness in Engine and Boiler space						<b>SIDE STRINGER</b> Angles	<b>6</b>	<b>4</b>	<b>6/16</b>	<b>6</b>	<b>4</b>
Remainder in Holds						do. Bulb or Intercoastal Plate for length					
<b>BEAMS</b> , Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<b>4</b>	<b>2 1/2</b>	<b>5</b>	<b>4</b>	<b>2 1/2</b>	do. Attached to outside plating with Angle					
Angles on Upper Edge						<b>Main and Raised Quarter Deck Stringer</b> Plate, breadth and thickness		<b>6/16</b>		<b>6/16</b>	
Average space	<b>21</b>		<b>21</b>			do. Angle on ditto	<b>3 x 2 1/2</b>	<b>6</b>	<b>3 x 2 1/2</b>	<b>6</b>	
<b>BEAMS</b> , Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						do. Tie Plates fore & aft, outside Hatchways					
Angles on Upper Edge						do. Diagonal Tie Plates on Bms., No. of Pairs					
Average space						do. Main Dk* Iron or Steel for whole length		<b>6/16</b>		<b>6/16</b>	
<b>BEAMS</b> , Hold, Plate or Tee Bulb						do. R. Q. Dk* Iron or Steel for whole length		<b>6/16</b>		<b>6/16</b>	
Angles on Upper Edge						do. Wood Deck Material and thickness		<b>6/16</b>		<b>5/16</b>	
Average space						<b>Lower Deck Stringer Plate</b> , breadth and thickness					
<b>BEAMS</b> , Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						do. Angles on ditto, No.					
Angles on Upper Edge						do. Tie Plates, outside Hatchways					
Average space						do. Deck Material and thickness					
<b>BEAMS</b> , Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	<b>5</b>	<b>3</b>	<b>7</b>	<b>5</b>	<b>3</b>	<b>Hold Stringer Plate</b>					
Angles on Upper Edge						do. Angles on ditto, No.					
Average space	<b>42</b>		<b>42</b>			<b>Poop Deck Stringer Plate</b> , breadth & thickness					
<b>BEAMS</b> , Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	<b>5</b>	<b>3</b>	<b>7</b>	<b>5</b>	<b>3</b>	do. Angle on ditto					
Angles on Upper Edge						do. Tie Plates					
Average space	<b>42</b>					do. Deck Material and thickness					
<b>PILLARS</b> , In <b>two</b> <b>Decks</b> , Size and Spacing						<b>Bridge Deck Stringer Plate</b> , brdth & thickness	<b>20</b>	<b>5</b>			
do. Hold	<b>2 1/2</b>	spaced <b>42</b>	<b>2 1/2</b>			do. Angle on ditto	<b>3 x 3</b>	<b>5</b>			
do. Quarter, <b>two</b> <b>Dks.</b> , " "						do. Tie Plates					
do. in Hold						do. Deck, Material and thickness <b>pitch pine</b>	<b>2 1/2</b>				
<b>WEB FRAMES</b> , In Fore Body, No. and Spacing						<b>Forecastle Deck Stringer Plate</b> , brdth & thcknss	<b>29</b>	<b>5</b>			
do. Brdth. & Thickness						do. Angle on ditto	<b>3 x 3</b>	<b>5</b>			
do. No. of Side Stringers						do. Tie Plates					
<b>WEB FRAMES</b> , In E. & B. Space, No. & Spacing						do. Deck, Material and thickness <b>pitch pine</b>	<b>2 1/2</b>				
do. Brdth. & Thickness						<b>BULKHEADS.</b>					
<b>WEB FRAMES</b> , In After Body, No. and Spacing						Number.					
do. Brdth. & Thickness						In Vessel.					
do. No. of Side Stringers						Per Rule.					
do. Size of Angles on Tee Bars to Web Frames						Thickness.					
<b>BRACKET PLATES</b> to Stringers between Web Frames, Depth and Thickness						Horizontal.					
						Vertical.					
						Spacing					
						Single or Double Frames.					
						Height up.					

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



12887 glo

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.			
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.		
	Inches.	16ths or 20ths.	16ths or 20ths.	16ths or 20ths.	Inches.	16ths or 20ths.		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	16ths or 20ths.	Inches.	Feet.		
FLAT PLATE KEEL..... (If Bar Keel, state Riveting)																			
GARBOARD OR A Strake ...	33	8	8	8	33	8	double	4 1/2	3/4	3	double	3/4	2 5/8	9 3/4	9	-	-		
State actual thickness in way of Double Bottom.	B	48	7	6	6	48	7	single	2 7/2	3/4	3	bet. plates	3/4	2 5/8	-	-	7 1/2 1/2 down		
C	44	7	6	6	44	7	"	2 1/2	3/4	3	double	3/4	2 5/8	9 3/4	8	-	-		
D	48	7	6	6	48	7	"	2 1/2	3/4	3	double	3/4	2 5/8	14 1/4	8	-	-		
E	43	6	5	5	43	6	"	2 1/2	3/4	3	-	3/4	2 5/8	-	-	7 1/2 1/2 down			
F	35	8	6	6	35	8	double	4 1/2	3/4	3	double	3/4	2 5/8	9 3/4	10	-	-		
G																			
H																			
J																			
K																			
L																			
M																			
N																			
O																			
P																			
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges .....																			
of Sheerstrakes .....																			
of Strake below																			
POOP SIDES .....																			
RAISED QUARTER DECK SIDES	44	6	7	5	5	44	6	single	2 1/2	3/4	3	double	3/4	2 5/8	9 3/4	7	6		
BRIDGE SIDES .....																			
FORECASTLE SIDES .....																			
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.?	Butts, treble riveted for	length amidship.
Straps, single, double or overlapped for	length amidship	
Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted?		
Inner Bottom Plating, riveting of Edges	Butts	
Centre Girder Butts, riveted.	Keelson Butts, treble riveted.	
Frames, riveted through Plates with	3/4 in. Rivets, about	X apart.
Rivets, state whether of Iron or Steel	Iron	

FRAMES extend in one length from keel to gunwale

REVERSED FRAMES on floors and frames extend from middle line to bilge and main deck alternately, bilge and R.B.S. alternately in way of R.B.S.

MASTS, SPARS, &c.											
	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS ....	Fore .....	Pitch pine	pole mast.								
	Main .....	do	do								
	Mizen .....	do	do								
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds	2 1/2 steel wire										
Stays	2" steel wire										
Sails.	one	Suit of									
		Sails and the following spare sails									

EQUIPMENT No. 4278 LETTER B 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.			
16180	1st Bower ..	5	1	7	-	-	-	7	14	0	7	5	1	-	Taylor & Co. stock	not stated	Sept 9/14/94 B. J. Bails
16179	2nd ..	5	1	3	-	-	-	7	14	0	7	5	1	-	"	"	"
	3rd ..																
	Collective weight	10	2	10								10	2				
	Stream ....	1	1	0								1	1	0			
	Kedge .....	2	0									2	0				
	2nd Kedge ..																

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.										
1842	60 1/2	3/4"	13.5.6	20.2.23			short link	not stated	Glasgow 16/14/94	TOWLINE	75	6		75.6	
1841	60 1/2	3/4"	13.5.6	20.2.25	120.	120.3/4"	"	"	"	HAWSER	90	4		90.4	
				41.2.20	37.2.6					WARP					
Iron Stream Chain or Steel Wire, ...	45	2"	7			45-2"		Barton							

Boats Two in 20

Pumps, Number 2 in 20 Diameter of Barrel and Tail Pipe 4" & 2" tail

Windlass is of Iron Emersons Capstan

Engine Room Skylights.—How constructed? Leak on top of iron casings

What arrangements for deadlights in bad weather? Larpaudine covers

Coal Bunker Openings.—How constructed? Hatchways How are lids secured? Solid latches Height above deck? 2' 11"

Number of Scuppers, and number and dimensions of Freeing Ports, &c. Two scuppers & two freeing ports on each side 30x24 & 36x24

Ceiling in Holds, thickness and material Pitch pine 2 1/2 Ceiling 'tween Decks, thickness and material

Cargo Hatchways.—How formed? Plated and angled Hatches.—If strong and efficient? Yes

State size No. 1 Hatch (Forward) 13' 10" x 12' 0" No. 2 Hatch 12' 3" x 12' 0" No. 3 Hatch No. 4 Hatch

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch shifting beam & 3 web plates to No. 2 No. of Breasthooks 3 No. of Crutches 2

Bulwarks, height above deck and description 48" & 1/4 Iron Main Rail, material and size Lygels patent

The above is a correct description.

Builder's Signature (here only) J. H. Thean & Co. Surveyor's Signature H. Hand

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



12887980

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) *M. 10.6.1893*

*M. 23<sup>rd</sup> October 1893. E. 31<sup>st</sup> Jan 1894. E. 9<sup>th</sup> Feb 1894*

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? *No*  
Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes*

General Remarks (State quality of workmanship, &c.) *Workman and his good*  
*This is a steel screw steamer built in accordance with the approved midship sections and Secretary's letters of the above dates. The deck pumps have been tested and found satisfactory. The iron weather deck has been flooded with water and found tight*

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 *37* ft., Bridge Dk. *7* ft., F'castle *16.5* 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 *R.Q.D. is joined to the B.D.*  
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<sup>st</sup> Iron, 1<sup>st</sup> B.D.*  
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

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, <input checked="" type="checkbox"/>			Fore peak tank, <i>18</i>	<i>18</i>	<i>13 1/2</i>
Double bottom, forward, <input checked="" type="checkbox"/>			After peak tank,		
Double bottom, under Engines and Boilers, <input checked="" type="checkbox"/>			Midship deep tank,		
Double bottom, if under Engines only, <input checked="" type="checkbox"/>			Other tanks, if fitted,		
Double bottom, if under Boilers only, <input checked="" type="checkbox"/>			(If necessary, furnish further information by sketch.)		

State whether the above have been tested as required by the Rules *Entered*  
Order for Special Survey No. *2432*  
Date *20<sup>th</sup> Oct. 1893*  
Order for Ordinary Survey No. ☒  
Date *15*  
No. *15* 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 *Nov. 1893. 2. 19. 23. Dec. 20. 22. 27. Jan 1894.*  
2nd. On the plating during the process of riveting *5. 7. 10. 12. 15. 17. 19. 22. 23. 30. Feb 8. 9. 12. 19. 20.*  
3rd. When the beams were in and fastened and before the decks were laid ..... *21. 28. Mar. 6. 9. 14. 16. 19. 20. 23. 28. 29. April 5. 9. 11. 16*  
4th. When the ship was complete, and before the plating was finally coated or cemented ... *17. 18*  
5th. After the ship was launched and equipped  
Total No. of Visits *38*

The amount of Entry Fee .....£ *1* : *10* : *0*  
Special.....£ *4* : *16* : *0*  
Certificate\* £ *0* : *0* : *0*  
Travelling Expenses, if any £ *0* : *0* : *0*  
Fees applied for, *19/4 1894*  
Received by me, *21/4 1894*  
I am of opinion this Vessel should be Classed *100 A.1. Steel*  
With, or without Freeboard, as condition of Class *without freeboard*  
\* Certificate to be sent to *Glasgow*  
*A. H. Sand*  
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute  
Character assigned  
*2 Lat + 2 Mch. 94*  
*100 A.1 Steel*  
*1 BR (Iron)*  
*Well sh.*  
*100 A.1 (Steel)*  
*1 BR (Iron) "Well built"*  
*N.B. = F.P.T. 13.5*  
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Lloyd's Register  
Foundation  
GLS169-0362 (2/2)