

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

IRON OR STEEL STEAMER.

Received at London Office,

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

FR 23 JUL 1893

Date of completion of Report July

Port of PLYMOUTH

No. 4204 Survey held at
On the air screw steam launch

Date, First Survey November 8th 1892 Last Survey July 21st 1893.

Rig One pole mast

TONNAGE under Tonnage Deck... 2138
Do. of Poop
Do. of Raised Qr. (Dk. or Break..)
Do. of Bridge House
Do. of Forecastle
Do. of Houses on Deck
Do. of excess of Hatchways
Do. above Crown of Engine Room ..
Gross Tonnage 2580
Less Crew Space
Less above Crown of Engine Room ..
TONNAGE FOR FEES .. 2536
Less Engine Room
Less Navigation Spaces

ONE OR TWO DECKED VESSEL.

CLASS

FEET.

Half Breadth (moulded) 6'9"
Depth from upper part of Keel to top of Main Deck Bms. 7'2"
Girth of Half Midship Frame (as per Rule) 11'9"
1st Number 2575
Length 65'5"
2nd Number 1686
Proportions—Breadths to Length 4'8"
Depths to Length—Main Deck to top of Keel 6'8"
Destined Voyage London

Master

Year of appointment (1) As master in service of owner of present vessel:—18
(2) As master of this vessel:—18

Built at PLYMOUTH

When built 1893 **Launched** July 3rd 1893

By whom built William Gray & Co. Ltd

Owners London Family Council
Lord Mayor, Aldermen & Commonalty of the City of London
Managers (Where necessary to be entered in Reg. Book.)
her 21/12/92 sent to 21/12/92

Residence London

Port belonging to London

Register Tonnage 821
as cut on Beam ..

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

LENGTH on Deck as per Rule	Fect.	Inches.	BREADTH—Moulded	Fect.	Inches.	DEPTH—Top of Floors to Main Deck Beams	Fect.	Inches.	Power of Engines	Horse.	No. of Decks with Flat laid	No. of Tiers of Beams
64		10	13		6	6					one	one

Dimensions of Ship per Register, Length, 65'5" breadth, 13'6" depth, 6'5" Moulded Depth, ft. 7 ins. 0 Round of Beam 3 inches.

FRAMING.	Inches in Ship.		16ths or 30ths per Rule or as Approved.		FORGINGS AND CASTINGS.	Inches in Ship.		Inches per Rule or as Approved.	
	Inches	Inches	Inches	Inches		Inches	Inches	Inches	Inches
FRAME , Angles, L, C or [Bars, for 2/3 length amidships	2 1/4	2 1/4	4	2 1/4	KEEL , Bar or Side Plates depth and thickness	4 1/2	3/4	4 1/2	3/4
Do. for 1/2 at each end	2 1/4	2 1/4	4	2 1/4	STEM , moulding and thickness	3 1/2	3/4	3 1/2	3/4
Do. in way of Double Bottoms at Solid Floors					STERN-POST for Rudder do. do.	4 1/2	2	4 1/2	2
" " at intermdt. Bkts.					" " for Propeller	5	2	5	2
Distance of Frames from moulding edge to moulding edge, all fore and aft	2 1/4			2 1/4	MAIN PIECE of Rudder, diameter at head	2 1/2		2 1/2	
REVERSED FRAME , Angles	2	2	4	2	do. at heel	1 1/2		1 1/2	
DEEP FRAMING , depth of girder					RUDDER , how constructed				
FLOORS , depth and thickness of Floor Plate at mid-line for 2/3 length amidships	9		4	9	Can the Rudder be unshipped afloat?				
" " in way of Engines and Boilers			4		KEELSONS AND STRINGERS.				
" " thickness at the ends of vessel			4		CENTRE LINE KEELSON , Vertical Plate above floors, Through Plate, or Intercostal Plate	2 1/4	2 1/4	4	2 1/4
" " depth at 2/3 the half breadth, as per Rule	7				" Rider Plate				
" " height extended at the Bilges					" Bulb Plate to Intercostal Keelson				
FLOORS & BRACKETS , in Cell Dble Bottoms					" Horizontal Plates on Floors	2 1/4	2 1/4	4	2 1/4
" " Distance apart					" Angles	2 1/4	2 1/4	4	2 1/4
CENTRE GIRDER , in Double Bottom, depth and thickness					SIDE KEELSON , Angles				
" " Angles, Top					" Bulb or Plate above floors for lng.				
" " Bottom					" Intercostal Plate for length				
SIDE GIRDERS , number and thickness					" Attached to outside plating with Angle				
" " Angles					BILGE KEELSON , Angles	2 1/4	2 1/4	4	2 1/4
MARGIN PLATE , depth (exclusive of flange) and thickness					" Bulb or Plate above floors for len.				
" " Angles					" Intercostal 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				
" " Remainder in Holds					" Bulb Plate for length				
BEAMS , Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	2 1/2	2 1/2	5	2 1/2	" Intercostal Plate for length				
" " Angles on Upper Edge					" Attached to outside plating with Angle				
" " Average space	2 1/4			2 1/4	SIDE STRINGER Angles	2 1/4	2 1/4	4	2 1/4
BEAMS , Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb					" Bulb or Intercostal Plate for lng.				
" " Angles on Upper Edge					" Attached to outside plating with Angle				
" " Average space					Main and Raised Quarter Deck Stringer Plate, breadth and thickness	11	13	4	4
BEAMS , Hold, Plate or Tee Bulb					" Angle on ditto	2	2	4	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.	1	4	4	4
" " Angles on Upper Edge					" R. Q. Dk* Iron or Steel for lng.	1	4	4	4
" " Average space					" Wood Deck, Material & thickness				
BEAMS , Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb					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					" 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					Bridge Deck Stringer Plate , brdth & thickness				
" " 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					Forecastle Deck Stringer Plate , brdth & thcknss				
WEB FRAMES , In After Body, No. and Spacing					" Angle on ditto				
" " Brdth. & Thickness					" Tie Plates				
" " No. of Side Stringers					" Deck, Material and thickness				
" " Size of Angles or Tee Bars to Web Frames					BULKHEADS.				
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness					In Vessel				
					Per Rule				
					Thickness				
					Horizontal				
					Vertical				
					Spacing				
					Single or Double Frames				
					Height up				

PL 1884-0012 1/2

Lloyd's Register of Shipping

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.				IF LAPPED.				
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		Breadth.	For what Length.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing or to cr.		Diam.	Spacing or to cr.	Breadth.	Thickness.				
Flat Plate Keel (If Bar Keel, state Riveting)	36	5	5	5	36	5	Single	2	1/2	2	Double	2	6 1/2	6					
B "	26	4	4	4			Single	2	1/2	2	Double	2	6 1/2	6					
C "	30	4	4	4			Single	2	1/2	2	Double	2	6 1/2	6					
D "	36	4	4	4			Single	2	1/2	2	Double	2	6 1/2	6					
E "	48	5	5	5			Single	2	1/2	2	Double	2	6 1/2	6					
F "																			
G "																			
H "																			
J "																			
K "																			
L "																			
M "																			
N "																			
O "																			
P "																			

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. *Steel Company of Scotland Limited*

Main Stringer Plate Butts, treble riveted for length amidship. *single*

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? *double*

Inner Bottom Plating, riveting of Edges Butts

Centre Girder Butts, *double* riveted. Keelson Butts, *double* riveted.

Frames, riveted through Plates with *1/2* in. Rivets, about *4* apart.

Rivets, state whether of Iron or Steel *Steel*

FRAMES extend in one length from *Keel* to *Deck*

REVERSED FRAMES on floors and frames extend from *Keel* to *Bilge* *Keelson*

MASTS, SPARS, &c.										
LOWER MASTS.	Material.	Total length.	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Head.	Head.		Number.	Size.	Seams.	Butts.
Fore	<i>Iron</i>	<i>25.6</i>	<i>8</i>	<i>4</i>	<i>1/2</i>					
Main										
Mizen										

Bowsprit *Iron*

Topmasts, Yards and Remainder of Spars *Iron*

Rigging, Material and Size, Shrouds *1" Galvanized Wire*

Stays *1" Galvanized Wire*

Sails, *Iron* Suit of *Iron* Sails and the following spare sails *Iron*

EQUIPMENT No. LETTER TONNAGE FOR TRAWLERS U.D.K. 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.			
1st Bower												
2nd												
3rd												
Stream												
Kedge												
2nd Kedge												

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	TEST PER CERTIFICATE.		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.				
			Tons.	Supplied.	Per Rule.	Per Rule.													

Boats *One dingy 10.6 x 5.0 x 2.0*

Pumps, Number *3* *1 1/2* diam. can be used as hand pump. Diameter of Barrel and Tail Pipe *1 1/2* delivery; *1 1/2* suction

Windlass is *Hand* winch; *good* Capstan *Iron*

Engine Room Skylights.—How constructed? *Of lead with brass guards*

What arrangements for deadlights in bad weather? *Iron*

Coal Bunker Openings.—How constructed? *Lead* *Iron* How are lids secured? *Self locking* Height above deck? *Flush*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Size 3" Scuppers. Dia freeing ports 12" x 16 1/2"*

Ceiling in Holds, thickness and material *Iron* Ceiling 'tween Decks, thickness and material *Iron*

Cargo Hatchways.—How formed? *Lead* *Iron* Hatches.—If strong and efficient? *Yes*

State size No. 1 Hatch (Forward) *2.6 x 2.6* No. 2 Hatch *2.6 x 2.6* No. 3 Hatch *2.6 x 2.6* No. 4 Hatch *2.6 x 2.6*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *Iron*

No. of Breasthooks *Iron* No. of Crutches *Iron*

Bulwarks, height above deck and description *2.5* Main Rail, material and size *American Elm 4.5 x 1.5*

The above is a correct description.

Builder's Signature (here only) *Williamson & Co. Ltd* Surveyor's Signature *H. W. Willink* 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. October 6th 1892. M. October 14th 1892.

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.)

This vessel has been built in accordance with the Secretary's letter of the 14th October 1892 and to my entire satisfaction.

The workmanship is of a superior description and the material used has been tested in accordance with the Rules.

This vessel is in my opinion eligible for the favorable consideration of the Committee to be classed.

+ A-Steel, for river purposes only.

The certificates of test of anchor and chain have not yet come to hand, but it is not proposed to make the vessel eligible for class.
The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *1* ft., R.Q.D. or Break *1* ft., Bridge Dk. *1* ft., F'castle *1* 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

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. *1*; Signal Letters *1*

How are the surfaces preserved from oxidation? *Inside painted from keel upwards. Outside also painted.*

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,			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. *125* Date *Sept 29th 1893*

Order for Ordinary Survey No. *1* Date *Nov 8th 1892 to July 21st 1893*

No. *23* in builder's yard

DATES OF SURVEYS held while building as per Section 18.

- On the several parts of the frame, when in place, and before the plating was wrought
- On the plating during the process of riveting
- When the beams were in and fastened and before the decks were laid
- When the ship was complete, and before the plating was finally coated or cemented
- After the ship was launched and equipped

Total No. of Visits *34*

The amount of Entry Fee *£ 1 : 0 : 0* Fees applied for, *25 July 1893*

Special *£ 1 : 15 : 0* Certificate *£* Received by me, *27 July 1893*

Travelling Expenses, if any *£*

I am of opinion this Vessel should be Classed *+ A-Steel for river purposes only*

With, or without Freeboard, as condition of Class

Surveyor to Lloyd's Register of British and Foreign Shipping. *H. W. Willink*

Committee's Minute *TUES. 1 AUG 1893*

Character assigned *A-Steel for River purposes only*

+ LMC 7.93 15k (Iron)

This vessel appears to have been built in accordance with the Rules submitted she is eligible to be classed A-(Steel) for River purposes only as recommended.

H. W. Willink

Lloyd's Register Foundation