

## Decks.

## IRON OR STEEL STEAMER.

State of Report is also sent on the Machinery of the Vessel *Yes* *Middlebrook No 2113.*

of completion of report *26 July 1897* Port of *Sunderland* Received at London Office *TUES 27 JUL 1897*

held at *Sunderland* Date, First Survey *23 September 1896* Last Survey *20 July 1897*

the *Steel Screw Steamer Ursula Bright* Rig *Triple Screw*

AGE under *3110.82*

age Deck... *THREE DECKED VESSEL.*

Between Tonnage Dk. *CLASS 100 A*

3rd and 4th Dk. *FEET.*

under Upper Dk. *Half Breadth (moulded) 23.33*

Poop *Depth from upper part of Keel to top of Upper Deck Beams 27.75*

Bridge House *Girth of Half Midship Frame (as per Rule) 45.75*

Forecastle *96.83*

Houses on Dk. *deduct 7 feet 7.00*

excess of Hatchways *89.83*

above Crown of *1st Number 322.45*

Engine Room *2nd Number 289.66*

s Tonnage *Proportions—Breadth to Length 6.9*

Crew Space *Depth to Length—Upper Deck to top of Keel 11.6*

above Crown of *Main Deck ditto 15.9*

Engine Room *3215.21*

AGE FOR FEES *1054.63*

Navigation Spaces *46.13*

Master Tonnage *2114.45*

out on Beam *Destined Voyage New York*

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

Master *J. B. Whitson*

Year of appointment *(1) As Master in service of owner of present vessel—1897*

*(2) As Master of this vessel—1897*

Built at *Sunderland*

When built *1897* Launched *14 Jan 1897*

By whom built *John Priestman & Co*

Owners *Ursula Bright S.S. Co Ltd*

Managers *H. L. & J. G. Bright*

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

Residence *45 Leadenhall Street*

Port belonging to *London*

FEET.	INCHES.	BREADTH—	FEET.	INCHES.	DEPTH	FEET.	INCHES.	Power of	Horse.	No. of Decks with flat laid
322	5 1/2	Moulded	46	8	25	7	1	Engines	300	one
					18	1				two
Dimensions of Ship per Register, Length 325 breadth 47 depth 25.6. Moulded depth, ft. 26 ins. 10 To Upper Dk. Round up of Beam, Upper Dk. 11 ins.										

FRAMING.							FORGINGS or CASTINGS.						
	Inches in Ship	Inches in Ship	16ths or 20ths in Ship	Inches per Rule Or as	Inches per Rule Or as	16ths or 20ths per Rule ved.	Inches in Ship.						
NAME, Angles, or  or  Bars for 1/2 length amidships	6 1/2	3 1/2	12	6 1/2	3 1/2	12	KEEL, Bar or Side Plates, depth and thickness						
for 1/2 at each end	6 1/2	3 1/2	11	6 1/2	3 1/2	11	STEM, moulding and thickness						
in way of Double Bottoms at Solid Floors	6 1/2	3 1/2	8	6 1/2	3 1/2	8	STERN-POST for Rudder do. do.						
at intermdt. Bkts.							for Propeller						
Distance of Frames from moulding edge to moulding edge, all fore and aft		24			24		MAIN PIECE of Rudder, diameter at head						
REVERSED FRAME, Angles in 1/2 length	4	3 1/2	8	4	3 1/2	8	do. at heel						
DEP FRAMING, depth of girder							RUDDER, how constructed						
DOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	26		10	26		10	Can the Rudder be unshipped afloat?						
in way of Engines and Boilers			11 1/2		11 1/2		KEELSONS & STRINGERS.						
thickness at the ends of vessel	12		8		8		CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
depth at 1/2 the half breadth, as per Rule	52		52		52		Rider Plate						
height extended at the Bilges	52		52		52		Bulb Plate to Intercoastal Keelson						
DOORS & BRACKETS in Cell Dble Bottoms	Inc. Int. except in 8 x 13 space						Horizontal Plates on Floors						
Distance apart	28 1/2	10	28 1/2	10	10		Angles						
NTRE GIRDER, in Double bottom, depth and thickness	4	4	9	4	4	9	SIDE KEELSON, Angles						
Angles, Top	6 1/2	4	9	6 1/2	4	9	Bulb or Plate above floors, for 1/2 length						
Bottom	6 1/2	4	9	6 1/2	4	9	Intercoastal Plate, for 1/2 length						
DE GIRDERS, number and thickness	3 1/2	3 1/2	8 1/2	3 1/2	8 1/2	8	Attached to outside Plating with Angle						
Angles	3 1/2	3 1/2	8 1/2	3 1/2	8 1/2	8	BILGE KEELSON, Angles						
MARGIN PLATE, depth (exclusive of flange) and thickness	4	4	9	4	4	9	Bulb or Plate above floors, for 1/2 length						
Angles	4	4	9	4	4	9	Intercoastal Plate for 1/2 length						
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	50 1/2	10	36		10		Attached to outside Plating with Angle						
in Engine and Boiler space	50 1/2	10	36		10		BILGE STRINGER Angles						
Remainder in Holds	50 1/2	10	36		10		Bulb Plate for 1/2 length						
CAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8	3	11	8	5	4	Intercoastal Plate for 1/2 length						
Angles on upper edge		24		24			Attached to outside Plating with Angle						
Average space		24		24			SIDE STRINGER Angles						
CAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	11	10	11	10	10		Bulb or Intercoastal Plate, for 1/2 length						
Angles on upper edge	3 1/2	3 1/2	8	3 1/2	3 1/2	8	Attached to outside plating with Angle						
Average space	48		48		48		Upper Deck Stringer Plates, br'dth & thickness						
CAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							Angle on ditto						
Angles on upper edge							Tie Plates fore and aft, outside Hatchways						
Average space							Deck. * STEEL for 1/2 length						
CAMS, Hold, or Orlop, Plate or Tee Bulb							Wood Deck. Material & thickness						
Angles on upper edge							Middle Deck Stringer Plate, br'dth & thickness						
Average space							Angles on ditto, No. 1/2						
CAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	8	3	8	3	8		Tie Plates outside Hatchways						
Angles on upper edge		24		24			Diagonal Tie Plates on Bms., No. of prs.						
Average space		24		24			Deck. * Iron or Steel, for 1/2 length						
CAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 1/2	3	8	6 1/2	3	8	Wood Deck. Material & thickness						
Angles on upper edge		24		24			Lower Deck Stringer Plate, br'dth & thickness						
Average space		24		24			Angles on ditto, No.						
LLARS, In 'tween Deck, size and spacing	5/16	Iron	1/2	5/16	Iron	1/2	Tie Plates, outside Hatchways						
Hold	2 1/4	per rule	2 1/4	per rule	2 1/4		Deck. * Material and thickness						
Quarter 'tween Dks.	4	4 1/2	4	4 1/2	4		Hold, or Orlop Stringer Plate, br'dth & thckn's						
in Hold	4	4 1/2	4	4 1/2	4		Angles on ditto, No.						
EB-FRAMES, In Fore Body, No. and spacing	9 as on plan	9 as on plan	9 as on plan	9 as on plan	9 as on plan		Tie Plates outside Hatchways						
br'dth. & thickness	18	8	18	8	8		Deck. Material and thickness						
No. of Side Stringers	2	18	8	2	18	8	Poop Deck Stringer Plate, breadth & thickness						
EB-FRAMES, In E. & B. Space, No. & spacing	4 as shown on profile	4 as shown on profile	4 as shown on profile	4 as shown on profile	4 as shown on profile		Angle on ditto						
br'dth. & thickness	18	8	18	8	8		Tie Plates						
EB-FRAMES, In After Body, No. and spacing	11 as shown on profile	11 as shown on profile	11 as shown on profile	11 as shown on profile	11 as shown on profile		Deck. Material and thickness						
br'dth. & thickness	18	8	18	8	8		Bridge Deck Stringer Plate, br'dth & thickness						
No. of Side Stringers	2	18	8	2	18	8	Angle on ditto						
Size of Angles or Tee Bars to Web-Frames	6 1/2	4 1/2	11	6 1/2	4 1/2	11	Tie Plates						
ACKET PLATES to Stringers between Web-Frames, depth and thickness	18	8	18	8	8		Deck. Material and thickness						
	18	8	18	8	8		BULKHEADS.						
	18	8	18	8	8		STIFFENERS.						
	18	8	18	8	8		Single or Double Frames.						
	18	8	18	8	8		Height up.						
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PLATING.										RIVETING.										
STRAKES.	AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.				
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		FORWARD.		AFT.		SINGLE OR DOUBLE.		BUTTS.		BUTTS.			
	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.		
FLAT PLATE KEEL.....	36	19	14	14	36	19	14	14	36	19	14	14	36	19	14	14	36	19	14	
GARBOARD OF A STRAKE.....	54	15	12	13	54	15	12	13	54	15	12	13	54	15	12	13	54	15	12	
B ".....	54	12	9	14	54	12	9	14	54	12	9	14	54	12	9	14	54	12	9	
C ".....	60	12	9	14	60	12	9	14	60	12	9	14	60	12	9	14	60	12	9	
D ".....	46	12	9	14	46	12	9	14	46	12	9	14	46	12	9	14	46	12	9	
E ".....	51	12	9	12	51	12	9	12	51	12	9	12	51	12	9	12	51	12	9	
F ".....	50	12	9	9	50	12	9	9	50	12	9	9	50	12	9	9	50	12	9	
G ".....	54	12	9	9	54	12	9	9	54	12	9	9	54	12	9	9	54	12	9	
H ".....	46	12	9	9	46	12	9	9	46	12	9	9	46	12	9	9	46	12	9	
I ".....	54	12	9	9	54	12	9	9	54	12	9	9	54	12	9	9	54	12	9	
J ".....	46	12	9	9	46	12	9	9	46	12	9	9	46	12	9	9	46	12	9	
K ".....	54	12	9	9	54	12	9	9	54	12	9	9	54	12	9	9	54	12	9	
L ".....	46	12	9	9	46	12	9	9	46	12	9	9	46	12	9	9	46	12	9	
M ".....	54	14	9	9	54	14	9	9	54	14	9	9	54	14	9	9	54	14	9	
N ".....	44	15	10	10	44	15	10	10	44	15	10	10	44	15	10	10	44	15	10	
O ".....																				
P ".....																				
Q ".....																				
R ".....																				
DOUBLING OF FLAT PLATE KEEL.....																				
Length and thickness of Bilges.....																				
Length and thickness of Sheerstrakes.....																				
Length and thickness of Strake below.....																				
POOP SIDES.....	7																			
BRIDGE SIDES.....	8 1/2																			
FORECASTLE SIDES.....	7																			

Manufacturer's name or trade mark of the Iron & Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.?  
*Steel plates, Castles, Stockton*  
*Iron & Steel, Stockton*  
*Steel plates, Moor & Stockton Ltd*  
*Steel plates, Moor & Stockton Ltd*  
*Iron & Steel, Stockton*  
*Iron & Steel, Stockton*

FRAMES extend in one length from *main plate* to *main plate & thence to gunwale*  
 REVERSED FRAMES on floors and frames extend from *bulkhead frames* *main frames on floors*

MASTS, SPARS, &c.										
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.
			At Partners.	Heel.	Head.	Head.		Number.	Size.	
LOWER MASTS.....										
Fore.....	Steel	56.4	17 1/2 x 6	14 x 5	14 x 5	14 x 5	14 x 5	14 x 5	14 x 5	14 x 5
Main.....	Steel	60.8	17 1/2 x 6	14 x 5	14 x 5	14 x 5	14 x 5	14 x 5	14 x 5	14 x 5
Mizen.....	Steel									
Bowsprit.....	Steel									
Topmasts, Yards and Remainder of Spars.....	Steel									
Rigging, Material and Size, Shrouds.....	Steel									
Sails.....	Steel									

EQUIPMENT No. 33041 LETTER V									
ANCHORS.									
Number of Certificate.	Anchors.	WEIGHT, EX STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQ. BY RULE.	
		Cwts.	qrs.	Cwts.	qrs.	Cwts.	qrs.	Cwts.	qrs.
31722	1st Bower	48	0 14			41	4 0	47	2 0
31618	2nd "	46	0 14			39	19 0	47	2 0
29239	3rd "	41	0 10			36	13 0	40	1 0
38946	Stream	4	2 15	2	3	28	13 12	2	0 11
38947	Kedge	5	3 12	1	1	19	8 2	3	7 15
	2nd Kedge								

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms.	Size per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms.				
				Supplied.	Per Rule.														
16324	135 1/2	2	100 1/2	72	269.125	270	2	Steel	H.P. Parker & Co.	5.3.97	TOWLINE	120	4	83	120				
16325	136 1/2	2	100 1/2	72	269.125						HAWSER	90	5 1/2	22	90				
											WARP	90	5 1/2	22	90				

Boats *2 1/2 tons 24 feet 1 hull 20 feet 1 1/2 18 feet*  
 Pumps, Number *1*  
 Windlass is *Emerson & Walker*  
 Engine Room Skylights.—How constructed? *Iron on bridge deck*  
 What arrangements for deadlights in bad weather? *Solid shutters & rollers*  
 Coal Bunker Openings.—How constructed? *Steel*  
 Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *3 ports each side 33 x 25 and 3 ports same size aft*  
 Ceiling in Holds, thickness and material *2 1/2 inch*  
 Cargo Hatchways.—How formed? *Steel, usual form*  
 State size No. 1 Hatch (Forward) *20.0 x 16.0* No. 2 Hatch *24.0 x 16.0* No. 3 Hatch *24.0 x 16.0* No. 4 Hatch *24.0 x 16.0*  
 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *221 one web, remainder 2 web in each 3 rivets each*  
 No. of Breasthooks *1* No. of Crutches *2 x 1/2 inch*  
 Bulwarks, height above deck and description *48 inches 7/8 thick*  
 The above is a correct description.  
 Builder's Signature (here only) *John R. R. R.*  
 Surveyor's Signature *William L. Sharpe*  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

responsed.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)  
*29<sup>th</sup> Sept. 6<sup>th</sup> Nov (E) 12<sup>th</sup> Nov 1896. 20<sup>th</sup> Nov 1896 (M) 30<sup>th</sup> March 1897*  
 Workmanship. Are the butts of plating planed or otherwise fitted? *Yes*  
 Are the rivets 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 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 plans as approved by the Committee, the Secretary's letter of above dates and in general conformity with the Rules. The workmanship and materials are good. Pumps, Main Valves and Waterlight doors have been tested and found in working order. Decks have been tested by being flooded with water.*

The Surveyor should state the Number of Report and Name of any Sister Vessel. *P.S. Murphy, Report 1897*  
 PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *31.0* ft., R.Q.D. or Break — ft., Bridge Dk. *88.0* ft., F'castle *55.6* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated  
 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) *On deck STEEL for tier of beams*  
 Official No. ....; Signal Letters  
 How are the surfaces preserved from oxidation? Inside *Goulden Cement + Paint* Outside *Paint*

ARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system *Yes*  

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Double bottom, aft,	110.0	346	Fore peak tank,		
Double bottom, forward,	120.0	341	After peak tank,	14.0	123
Double bottom, under Engines and Boilers,		687	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.)	Total	810

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

For Special Survey No. 4053  
 Date *12 Nov 96*  
 For Ordinary Survey No. ....  
 Date *66* in builder's yard.  
 Fees applied for, *22 July 1897*  
 Special Survey Fee *£05: 7: 6*  
 Received by me, *24 July 1897*  
 Travelling Expenses, if any £ ..  
 am of opinion this Vessel should be Classed *100 A.1 Steel 38k Rule*  
 With or without Freeboard, as condition of Class  
 Committee's Minute *FRI 30 JUL 1897*  
 Character assigned *100 A.1 Steel*  
*2 and 6.97*  
*1 Hk (Sld) 2 Hk + 1/2 Hk frames*  
*3dk Rule*  
 Surveyor to Lloyd's Register of British and Foreign Shipping.