

Spar, or Awning Dk.

IRON OR STEEL STEAMER.

No.

20858

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

Port of SUNDERLAND

Date of completion of Report 19<sup>th</sup> March 1902 Received at London Office

Survey held at SUNDERLAND

Date, First Survey 9<sup>th</sup> August 1901 Last Survey 8<sup>th</sup> March 1902

On the STEEL SCREW STEAMER

"Manaton."

Rig Schooner.

TONNAGE under Tonnage Deck... 3829.50

Do. between Tonnage Dk. and 2nd, 4th, Spar or Awning Dk.

Total under Upper Dk. 3829.50

Do. of Poop 26.04

Do. of Bridge House 54.46

Do. of Forecasts 68.03

Do. of Houses on Deck 41.14

of excess of Hatchways above Crown of Engine Room 5.60

Gross Tonnage 4024.77

Crew Space 68.97

above Crown of Engine Room 5.60

Tonnage for Fees... 3960.20

Engine Room 1287.93

Navigation Spaces 44.48

Crown &amp; Room 5.60

Register Tonnage 2623.39

cut on Beam...

SPAR, ~~AWNING OR PART AWNING~~ DECKED VESSEL,

or a Vessel having a continuous Shade Deck.

CLASS 100A.

Half Breadth (moulded) 24.208

Depth from upper part of keel to top of Main Deck Beams 23.229

Girth of Half Midship Frame (as per Rule) 42.812

1st Number 90.249

Length 342.66

2nd Number 30924.722

Proportions—Breadths to Length 7.07

Depths to Length—Main Deck to top of Keel 14.75

Destined Voyage Bombay

Master

W. R. Page

Year of Appointment

(1) As Master in service of owner of present vessel: 1902  
(2) As Master of this vessel: 18 1902

Built at SUNDERLAND

When built 1902

Launched 11<sup>th</sup> Feb<sup>y</sup> 1902

By whom built J. Priestman &amp; Co.

Owners Commercial SS Co. Ltd.

Managers Young Eklens &amp; Co.

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

Residence 32 Great St. Helen London E.C.

Port belonging to London

Surveyed while Building, Afloat, or in Dry Dock UNDER SPECIAL SURVEY

LENGTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, top of Floors to Spar or Awning Dk. Beams	Feet.	Inches.	Power of Engines	Horse.	No. of Decks with flat laid	No. of Tiers of Beams
as per Rule	342	8	Moulded	48	5	Do.	28	11 1/2	312	312	ONE	TWO TIER FRAMES

Dimensions of Ship per Register, Length 345.0 breadth 48.8 depth 28.95 Spar or Awning Dk. Moulded depth, ft. 22 ins. 3 To Main Dk. Round up of 11 1/2 ins.  
20.97 Main Deck. 30 ins. 2 1/2 To Spar Dk. Beam, Main Dk.

FRAMING.				FORGINGS AND CASTINGS.			
Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule or as Approved.	Inches in Ship.	Inches per Rule or as Approved.	Inches in Ship.	Inches per Rule or as Approved.
Angle, or Bars, for 1/2 length amidships	7	3 1/2	13	7	3 1/2	13	
Do. for 1/2 at each end	7	3 1/2	12	7	3 1/2	12	
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	8	3 1/2	3 1/2	8	
Distance of Frames from moulding edge to moulding edge, all fore and aft		24		24			
Reversed Frame, Angle, on top of Floors	4	3 1/2	8	4	3 1/2	8	
FRAMING, depth of girder		27		27		10	
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships		4		4		10	
in way of Engines and Boilers		20		20		10	
thickness at the ends of vessel		8		8			
depth at 1/2 the half-bdth. as per Rule		10		10			
height extended at the Bilges		PER APPROVED PLAN					
DOORS & BRACKETS, in Cell Dble Bottoms		7		7			
Distance apart		24		24			
CENTRE GIRDER, in Double bottom, depth and thickness		21		21		10	
Angles, Top	4	4	9	4	4	9	
Bottom	6	4	10	6	4	10	
DE GIRDERS, number and thickness		Five EA. SIDE 8		Five EA. SIDE 8			
Angles	3 1/2	3 1/2	8	3 1/2	3 1/2	8	
MARGIN PLATE, depth (exclusive of flange) and thickness		35		35		10	
Angles	4	4	9	4	4	9	
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake		36		36		10	
thickness in Engine and Boiler space		8		8			
Remainder in Holds		8		8			
AMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	7 1/2	3	9	7 1/2	3	9	
Angles on upper edge	8	3	10	8	3	10	
Average space		24		24			
AMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 1/2	3 1/2	8	8 1/2	3 1/2	8	
Angles on upper edge		48		48			
Average space		10 1/2		10 1/2		10	
AMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							
Angles on upper edge							
Average space							
AMS, Hold, or Orlop, Plate or Tee Bulb							
Angles on upper edge							
Average space							
AMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	8	3	10	8	3	10	
Angles on upper edge							
Average space		48		48			
AMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	9	3 1/2	11	9	3 1/2	11	
Angles on upper edge							
Average space		48		48			
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	8	3	10	8	3	10	
Angles on upper edge	3	3	7	3	3	7	
Average space		48		48			
CLARKS, in tween Deck, size and spacing		2 1/2	48	2 1/2	48		
Hold		4 1/2	48	4 1/2	48		
Quarter, tween Dks., "		2 1/2	96	2 1/2	96		
in Hold		4 1/2	96	4 1/2	96		
WEB FRAMES, in Fore Body, No. and spacing		Twelve, spaced as per profile		Twelve, spaced as per profile			
brdth. & thickness	18	10.9	18	10.9			
No. of Side Stringers	Three		Three				
WEB FRAMES, in E. & B. Space, No. & spacing		Four, spaced as per profile		Four, spaced as per profile			
brdth. & thickness	18	10.9	18	10.9			
WEB FRAMES, in After Body, No. and spacing		10, spaced as per profile		10, spaced as per profile			
brdth. & thickness	18	10.9	18	10.9			
No. of Side Stringers	Three		Three				
Size of Angles or Tee Bars to Web Frames	6	4	12-11	6	4	12-11	
BRACKET PLATES to Stringers between Web Frames, depth and thickness	18	8	18	8			



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.		Double STRAPS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.	
	Inches.	<del>16th</del> 20ths	<del>16th</del> 20ths	<del>16th</del> 20ths	Inches.	<del>16th</del> 20ths		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.	Feet.	
FLAT PLATE KEEL ✓	36	19✓	14✓	14✓	36	19	Double	6	1	4	Treble 7½	1	3½	19	14½	✓	✓	
<del>(If Double Keel, double Riveting)</del> GARBOARD OF A Strake ...	54	15✓	12✓	13✓	54	15	"	"	"	"	"	1	3½	✓	✓	10½	7½	
State actual thickness in way of Double Bottom.	B	✓	✓	✓	✓	✓	"	5¼	7/8	3½	Quad & Treble 7/8	3⅛	✓	✓	✓	12½	9	
C	60	11✓	9✓	14✓	60	11	"	"	"	"	"	"	✓	✓	"	"	"	
D	46	11✓	10✓	10✓	46	11	"	"	"	"	"	"	✓	✓	"	"	"	
E	54	12✓	9✓	14✓	54	12	"	"	"	"	"	"	✓	✓	"	"	"	
F	44	12✓	9✓	12✓	44	12	"	"	"	"	Treble 7½	"	✓	✓	"	"	"	
G	50	12✓	9✓	12✓	50	12	"	"	"	"	"	"	✓	✓	9	"	"	
H	60	12✓	9✓	12✓	60	12	"	"	"	"	Quad & Treble	"	✓	✓	12½	9	"	
J	54	12✓	9✓	12✓	54	12	"	"	"	"	"	"	✓	✓	12½	9	"	
K	54	12✓	9✓	12✓	54	12	"	"	"	"	Treble 7½	"	✓	✓	9	"	"	
Main Sk. L	46	12✓	9✓	9✓	46	12	"	"	"	"	"	"	✓	✓	9	"	"	
M	54	12✓	9✓	9✓	54	12	"	"	"	"	Treble 7½	"	✓	✓	9	"	"	
Spar Sheer N	44✓	13✓	10✓	10✓	44	13	Double for 20' at Bridge Ends.				Quad & Treble	"	✓	✓	12½	9	"	
Q	* Midship thickness to collision bulkhead.																	
R	* Midship thickness to collision bulkhead.																	
Q	* Midship thickness to collision bulkhead.																	
DOUBLING of Flat Plate Keel	Keel Plate & Garboards increased in thickness in line.																	
Length and thickness of Bilges	Doubled ✓ at aft end of Bridge 20'-6" x 34" x 1½"																	
Length and thickness of Sheerstrake	Sheerstrake plate at fore end of Bridge increased to 2½"																	
Length and thickness of Strake below	Length of shell plates = 8 framespaces																	
POOP SIDES	7		7		7													
BRIDGE SIDES	8½		8½		8½													
FORECASTLE SIDES	7		7		7													

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, Plating, &c.?  
*Sumner's - Martin.*

Steel Plates:- *Weardale, Consell, B.V. & Co.*  
*Angles:- Consell, Farnham & Pat.*  
*Iron Plates:- J. Hill & Co.*  
*Iron Angles:- None.*

Spar or Awaiting Butts, riveted for half length amidships  
Stringer Plate Butts, single, double or overlapped for full length  
Main Stringer Butts, treble riveted for full length  
Plate Butts, single, double or overlapped for full length

Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted  
Inner Bottom Plating, riveting of Edges Single Butts Single  
Centre Girder Butts, Treble riveted Keelson Butts, riveted.  
Frames, riveted through Plates with 7/8 in. Rivets, about 6 apart.  
Rivets, state whether Iron or Steel *Iron*

FRAMES extend in one length from *Centre Line* to *Margin Plate* & thence to *Gunnwale*  
REVERSED FRAMES on floors and frames extend from *Centre Line* to *Margin Plate*. No reverses above margin plate = *Bull angle framing*.

MASTS, SPARS, &c.									
LOWER MASTS...	Material.	Total Length	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.		RIVETING.
			At Partners.	Heel.	Hounds.		Number.	Size.	
Fore	Steel	46'-0"	17 1/2 x 17	17 x 17	15 x 15	Two	✓	✓	Single D.C. rivets
Main	"	46'-0"	"	"	"	"	✓	✓	"
Mizen	"	"	"	"	"	"	✓	✓	"

Topmasts, Yards and Remainder of Spars *Pine*  
Rigging, Material and Size, Shrouds *Galvanized Steel Wire 3 1/2"* Stays *3 1/2"*  
Sails. *One* Suit of *Schooner* Sails, and the following spare sails

EQUIPMENT No. 38652 LETTER <i>W.</i>										ANCHORS.										<i>* Mechanical Tests :-</i>									
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.															
<i>1148</i>	1st Bower <i>*</i>	<i>50</i>	<i>0</i>	<i>0</i>	<i>Stockless</i>	<i>42</i>	<i>7</i>	<i>2</i>	<i>0</i>	<i>50</i>	<i>0</i>	<i>0</i>	<i>0</i>	<i>Byer's Pat</i>	<i>W L Byer &amp; Co</i>	<i>Sld 13-2-02.</i>	<i>H. J. Neill</i>												
<i>1070</i>	2nd „ <i>*</i>	<i>47</i>	<i>2</i>	<i>14</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>40</i>	<i>17</i>	<i>3</i>	<i>7</i>	<i>50</i>	<i>0</i>	<i>0</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>31-1-02</i>	<i>"</i>	<i>"</i>								
<i>1212</i>	3rd „ <i>*</i>	<i>45</i>	<i>2</i>	<i>0</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>39</i>	<i>11</i>	<i>1</i>	<i>0</i>	<i>42</i>	<i>2</i>	<i>0</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>21-2-02</i>	<i>"</i>	<i>"</i>								
	Collective weight	<i>143</i>	<i>0</i>	<i>14</i>								<i>142</i>	<i>2</i>	<i>0</i>															
<i>17928</i>	Stream ....	<i>12</i>	<i>3</i>	<i>0</i>	<i>3</i>	<i>2</i>	<i>0</i>	<i>14</i>	<i>10</i>	<i>2</i>	<i>14</i>	<i>12</i>	<i>0</i>	<i>0</i>	<i>Common</i>	<i>J Abbott &amp; Co</i>	<i>Low Walker</i>	<i>9-12-01</i>	<i>W J Neill</i>										
<i>17842</i>	Kedge .....	<i>6</i>	<i>1</i>	<i>0</i>	<i>1</i>	<i>2</i>	<i>7</i>	<i>8</i>	<i>10</i>	<i>0</i>	<i>0</i>	<i>6</i>	<i>0</i>	<i>0</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>19-9-01</i>	<i>W J Neill</i>									
	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 Towing.	Fathoms and Size Per Rule.	
				Supplied.	Per Rule.										
9548	135	2 1/16	107 1/2	292.8	274.286	3 7/8	270 Shd Jabbot & Co. Low Walker			TOWLINE	Shd 120	4 1/2	39	120 4 1/2	
9577	135	2 1/16	"	"	290.08	286.37	3 7/8 Link	"	30-10-01 7-11-01	HAWSER	" 4-90	2 1/2	12 1/2	4-90-2 1/2	
	270				583.0	573.2	14 1/2		W & R. R. R.	WARP	Two 90	6		Manilla.	
on Steels Chain or Steel Wire ...	90	4 1/2	39	✓	✓	90-4 1/2									
Steel wires certified by J. W. R. Mann & Co. Ltd.															

Boats *Two Lifeboats 23'-0", 1 other @ 18'-0"*  
Pumps, Number *One Downson* Diameter of Barrel and Tail Pipe *4 1/2" x 2 1/2"*  
Windlass is *Common Walker & Thompson* Capstan *Seven Steam winches.*  
Engine Room Skylights.—How constructed? *Of steel, 8'-3" above Bridge Deck.*  
What arrangements for deadlights in bad weather? *Wood flaps & bullseyes.*  
Coal Bunker Openings.—How constructed? *Plates & angles* How are lids secured? *By bars & clasp* Height above deck? *Bridge = 18"*  
Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Six each side (Scuppers). Eight Freeing Ports each side 3'-0" x 1'-6".*  
Ceiling in Holds, thickness and material *Pine 2 1/2"* Ceiling 'tween Decks, thickness and material *Pine 6 x 1 1/2"*  
Cargo Hatchways.—How formed? *Usual construction, plates & angles* Hatches, If strong and efficient? *Yes = 2 1/2"*  
State size No. 1 Hatch (Forward) *24'-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 *Two webs in each hatchway & three fore & afters.*  
No. of Breasthooks *Nine* No. of Crutches *Two & deep floors.*  
Bulwarks, height above deck and description *3'-9" x 3/20" Steel.* Main Rail, material and size *Bangle 6 x 3 x 8/20*  
The above is a correct description.  
Builder's Signature (here only) *For John Priestman & Co* Surveyor's Signature *J. S. Shute pro J. S. Seaward*  
Surveyor to Lloyd's Register of British & Foreign Shipping.



W566-0322