

Spar, or Awning Dk. IRON OR STEEL STEAMER.

No. 55625

State Report is also sent on the Machinery of the Vessel ☒ Yes.
Port of Newcastle-on-Tyne Date of completion of Report 26 October 1908 Received at London Office 10th 27 OCT 1908
Survey held at Newcastle Date, First Survey 8th 1 November 1907 Last Survey 26 October 1908
On the S.S. Hanger Rig SchoonerTONNAGE under
Tonnage Deck... 1422.61
Do. between Tonnage Dk.
and 3rd, 4th, Spar or
Awning Dk.Total under Upper Dk. 34.63
Do. of Poop 52.04
Do. of Forecastle 86.94
Do. of Houses on Deck 66.33
Do. of excess of Hatchways 41.42
Do. above Crown of
Engine Room ..Gross Tonnage 5003.97
Less Crew Space 158.92
Less above Crown of
Engine Room ..Tonnage for Fees... 4845.05
Engine Room 1601.27
Navigation Spaces 74.12Master Tonnage 3169.66
cut on Beam...SPAR, AWNING OR PART AWNING-DECKED VESSEL,
on a Vessel having a continuous Shade Deck.CLASS 100 A. I. Spar Dk.Half Breadth (moulded) 26.12Depth from upper part of keel to top of Main Deck Beams 24.12
(with the normal round up of beam)Girth of Half Midship Frame (as per Rule) 46.091st Number 96.33Length on deck from after part of stem to fore part of
stern post 3992nd Number 38435Proportions—Breadths to Length 7.62Depths to Length—Main Deck to top of Keel 16.64Destined Voyage Calcutta via GenoaMaster H. WittenbergYear of Appointment 1908Built at NewcastleWhen built 1908 Launched 11 Sep 1908By whom built Swan Hunter & Wigham RichardsonOwners "Hansa" Deutsche Damp. Ges.Managers "

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

Residence BremenPort belonging to BremenIf Surveyed while Building Afloat, or in Dry Dock YesLENGTH on Ft. Ins. BREADTH Ft. Ins. DEPTH, ACTUAL—Top of Floors to top of Spar or Awning Dk. Beams Ft. Ins. Power of Horse. No. of Decks with flat laid 2
ck as per Rule 399 Moulded 52 3 Do. do. Main Deck Beams 28 8 20 8 2 Engines No. of Tiers of Beams 2 8
Dimensions of Ship per Register, Length 401.2 breadth 52.55 depth 28.2 Spar Awning Dk. Moulded depth, ft. 31 ins. 0 To Main Dk. Round up of Main Dk. Beam, Actual 13 ins.

FRAMING.				FORGINGS AND CASTINGS.			
	Inches in Ship.	Inches in Ship.	Inches in Ship.		Inches in Ship.	Inches in Ship.	Inches in Ship.
NAME, Angle, or Bars, for length amidships	7 3 11 7 3 11			KEEL, Bar or Side Plates, depth and thickness	12 x 2 1/8	12 x 2 1/8	12 x 2 1/8
Do. for 1/2 at each end	7 3 10 7 3 10			STEM, moulding and thickness	11 x 3 1/2	11 x 3 1/2	11 x 3 1/2
Do. in way of Double Bottoms at Solid Floors	9 3 9 8 3 9 8			STERN-POST for Rudder do. do.	11 x 4 1/2	11 x 4 1/2	11 x 4 1/2
Do. at intermdt. Bkts.				Do. for Propeller	11 x 4 1/2	11 x 4 1/2	11 x 4 1/2
Joining of Frames from centre to centre	24 3 24 3 9			MAIN PIECE of Rudder, diameter at head	10	10	10
VERSE FRAME, Angles	10 3 9 10 3 9			Do. at heel	7 1/2	7 1/2	7 1/2
DECK FRAMING, depth of girder				RUDDER, how constructed	Single plate round stock.		
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships				Can the Rudder be unshipped afloat?	Yes.		
Do. in way of Engines and Boilers				KEELSONS AND STRINGERS.			
Do. thickness at the ends of vessel					Inches in Ship.	Inches in Ship.	Inches in Ship.
Do. depth at 1/2 the half-bdth. as per Rule				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
Do. height extended at the Bilges				Do. Rider Plate			
DOORS & BRACKETS, in Cell Dble Bottoms state if flanged (top & bottom)	80 80			Do. Bulb Plate to Intercoastal Keelson			
Do. spacing	24 24			Do. Horizontal Plates on Floors			
INTER GIRDERS, in Double bottom, depth and thickness	44 44			Do. Angles			
Do. Angles, Top	3 3 12 14 3 3 12 14			SIDE KEELSON, Angles			
Do. Bottom	4 4 2 4 4 2 4			Do. Bulb or Plate above floors, for length			
DECK GIRDERS, number and thickness	2 8 40 2 8 40			Do. Intercoastal Plate, for length			
Do. state if flanged (top & bottom)				Do. Attached to outside plating with Angle			
Do. Angles	3 3 8 3 3 8			BILGE KEELSON, Angles			
DECK PLATE, depth (exclusive of flange) and thickness	36 10 36 10			Do. Bulb or Plate above floors, for length			
Do. Angles to outside plating	4 4 10 4 4 10			Do. Intercoastal Plate, for length			
Do. to floors	3 3 8 3 3 8			Do. Attached to outside plating with Angle			
Do. Height of floors at the Bilges	7 2 7 2			BILGE STRINGER Angles			
DOOR BOTTOM PLATING, breadth and thickness of Middle Line Strake	44 10.8 44 10.8			Do. Bulb Plate, for length			
Do. thickness in Engine and Boiler space	12.10 12.10			Do. Intercoastal Plate, for length			
Do. Remainder in Holds	8.7 8.7			Do. Attached to outside plating with Angle			
AMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 3 10 8 3 10			3 SIDE STRINGERS Angles	6 3 4 12 6 3 4 12		
Do. Angles on upper edge	8 3 11 8 3 11			Do. Bulb or Intercoastal Plate, for full length	6 3 3 8 6 3 3 8		
Do. Spacing	24 24			Do. Attached to outside plating with Angle			
AMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8 3 11 8 3 11			Spar, or Awning Deck Stringer Plates, breadth and thickness	7 1 11 9 6 1 11 9		
Do. Angles on upper edge	9 3 11 9 3 11			Do. Angle on ditto	5 x 5 11 5 x 5 11		
Do. Spacing	24 24			Do. Tie Plates, fore and aft, outside Hatchways			
AMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	9 3 11 9 3 11			Do. Diagonal Tie Plates, No. of prs.			
Do. Angles on upper edge	9 3 11 9 3 11			Do. Deck * Iron or Steel, for full length	8.7 8.7		
Do. Spacing	24 24			Do. Wood Deck. Material & thickness	Teak 3" in well 10 6 1 10 6 1 10		
AMS, Hold, or Orlop, Plate or Tee Bulb				Main Deck Stringer Plate, breadth & thickness	3 1/2 x 3 1/2 4 4 3 1/2 4 4		
Do. Angles on upper edge				Do. Angles on ditto, No. 2	3 1/2 x 3 1/2 4 4 3 1/2 4 4		
Do. Spacing				Do. Tie Plates, outside Hatchways			
AMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	9 3 11 9 3 11			Do. Diagonal Tie Plates, No. of prs.			
Do. Angles on upper edge	9 3 11 9 3 11			Do. Deck * Iron or Steel, for full length	8.7 8.7		
Do. Spacing	24 24			Do. Wood Deck. Material & thickness	Teak 3" 8.7 8.7		
AMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	6 3 3 9 6 3 3 9			Lower Deck Stringer Plates, breadth & thickness			
Do. Angles on upper edge	9 3 11 9 3 11			Do. Angles on ditto, No.			
Do. Spacing	24 24			Do. Tie Plates, outside Hatchways			
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	9 3 11 9 3 11			Do. Deck * Material and thickness			
Do. Angles on upper edge	9 3 11 9 3 11			Hold, or Orlop Stringer Plate, breadth & thickness			
Do. Spacing	24 24			Do. Angles on ditto, No.			
LLAKS, In 'tween Deck, size and spacing				Do. Tie Plates, outside Hatchways			
Do. Hold				Do. Deck. Material and thickness			
Do. Quarter, 'tween Dks.,				Poop Deck Stringer Plate, breadth & thickness	3 1/2 x 3 1/2 4 4 3 1/2 4 4		
Do. in Hold				Do. Angles on ditto	3 1/2 x 3 1/2 4 4 3 1/2 4 4		
WEB FRAMES, In Fore Body, No. and spacing	3 3 frame spaces as app'd 20 9 20			Do. Tie Plates	12 12 12 12		
Do. No. of Side Stringers				Do. Deck. Material and thickness	Teak 3" 8.7 8.7		
WEB FRAMES, In E. & B. Space, No. and spacing	6 3 2 18 6 3 2 18			Bridge Deck Stringer Plate, breadth & thickness	4 4 11 4 4 11		
Do. No. of Side Stringers				Do. Angle on ditto	4 4 11 4 4 11		
Do. Size of Angles or Tee Bars to Web Frames	6 3 4 12 6 3 4 12			Do. Tie Plates	8 8 8 8		
BRACKET PLATES to Stringers between Web Frames, depth and thickness				Do. Deck. Material and thickness	Teak 3" 8.7 8.7		

PLATING.

STRAKES.	AS IN SHIP.			PER RULE OR AS APPROVED.			EDGES.			BUTTS.		
	AMIDSHIP.	FORWARD.	AFT.	AMIDSHIP.	FORWARD.	AFT.	Ordinary or Joggled?	Single or Double.	Breadth of Lap.	RIVETS.	Double or Treble and for what Length.	IF LAPPED.
FLAT PLATE KEEL	36	22	14	36	22	14	1/2	1	1/2	1/2	1/2	1/2
GARBOARD OF A STRAKE	72	14	13	72	14	13	1/2	1	1/2	1/2	1/2	1/2
B	11	9	13	11	9	13	1/2	1	1/2	1/2	1/2	1/2
C	12	10	14	12	10	14	1/2	1	1/2	1/2	1/2	1/2
D	13	10	11	13	10	11	1/2	1	1/2	1/2	1/2	1/2
E	14	11	13	14	11	13	1/2	1	1/2	1/2	1/2	1/2
F	13	12	12	13	12	12	1/2	1	1/2	1/2	1/2	1/2
G	13	12	13	13	12	13	1/2	1	1/2	1/2	1/2	1/2
H	12	11	12	12	11	12	1/2	1	1/2	1/2	1/2	1/2
J	13	10	10	13	10	10	1/2	1	1/2	1/2	1/2	1/2
K	14	9	9	14	9	9	1/2	1	1/2	1/2	1/2	1/2
L	14	9	9	14	9	9	1/2	1	1/2	1/2	1/2	1/2
M	91	13	9	91	13	9	1/2	1	1/2	1/2	1/2	1/2
N												
O												
P												
Q												
R												
S												
DOUBLING OF FLAT PLATE KEEL	Increased in lieu											
Length of Bilges	Doubled at ends of bridge & increased in lieu clear of bridge											
Length of Sheerstrakes	Increased in lieu											
Length of Strake below												
POOP SIDES	91	13	8	91	13	8	1/2	1	1/2	1/2	1/2	1/2
BRIDGE SIDES												
FORECASTLE SIDES												

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. *Open length. Connect Iron Co. & Sparrow Palmer & Co. 1st South Durham Steel & Iron Co. Huddersfield Iron & Steel Co. Ltd. 8th Scotland Road Glasgow. Bolckow & Vaughan, Dowlais Cardiff Works.*

Has the Steel been tested as required by the Rules? *Yes.*

FRAMES extend in one length from *margin plate* to *weather decks.* state if ordinary or joggled? *Joggled.*

REVERSED FRAMES on floors and frames extend from *Centre girder to margin plate* and from *margin plate to main deck beams.* state if ordinary or joggled? *Joggled.*

MASTS, SPARS, &c.

LOWER MASTS.	Fore	Main	Mizen	Material.	Total Length	DIAMETER AND THICKNESS.			No. of Plates in round.	ANGLES.	RIVETING.
						At Partners.	Heel.	Hounds.			
Fore	Steel	81	21 x 20	26 x 20	20 x 20	24 x 20	2				
Main	"	79	25 x 20	24 x 20	19 x 20	19 x 20	2				
Mizen	"										

Bowsprit *Pitch Pine*

Topmasts, Yards and Remainder of Spars *Steel derrick*

Rigging, Material and Size, Shrouds *1 1/4" & 3/4" Steel wire*

Sails. *One suit* Suit of *fore & aft* Sails, and the following spare sails *Stays 1 1/4" & 1/2", 5/8", 3/4" Steel wire*

EQUIPMENT. No. *480* LETTER *Z* ANCHORS.

Number of Certificate.	Anchors	WEIGHT, EX. STOCK		WEIGHT OF STOCK		TEST, PER CERTIFICATE.		WEIGHT REQ. BY TABLE 22.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	Cwts.	qrs.	Tons.	cwts.	qrs.	lbs.			
10826	1st Bower	61	0	14	0	49	0	2	14	0	Byers Stockline	11/13/08
10830	2nd "	61	0	0	0	48	17	2	0	60	3	"
10821	3rd "	60	1	4	0	48	12	2	0	60	3	"
3358	Stream	18	0	16	4	2	12	19	2	0	24	17
3359	Kedge	7	2	0	2	0	12	9	13	3	0	4

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and size per Table 22.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
			Supplied.	Per Rule.				
11428	134 2 1/2	91 1/2	249	32	11	240	2	11
11396	134 2 1/2	91 1/2	249	32	11	240	2	11
11396	134 2 1/2	91 1/2	249	32	11	240	2	11

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Breaking Test of Steel Wire per Table 22.	Fathoms and size per Table 22.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
11428	134 2 1/2	91 1/2	249	32	11	240
11396	134 2 1/2	91 1/2	249	32	11	240
11396	134 2 1/2	91 1/2	249	32	11	240

Boats *2 Life Boats and 2 1/2*

Pumps, Number *One 6" Downston One 1 1/2" in F.P.* Diameter of Barrel *4"* State whether they are in efficient working order *Yes*

Windlass is *Iron patent* Capstan

Engine Room Skylights. How constructed? *Steel casings*

What arrangements for deadlights in bad weather? *Steel covers and glass lights*

Coal Bunker Openings. How constructed? *Steel casings* How are they secured? *Bolted.* Height above deck? *30"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *7 Scuppers each side 8 part open rails*

Ceiling in Holds, thickness and material *2 1/2" Canada Elm & White Pine* Cargo Battsens, thickness and material *White pine 2"*

Cargo Hatchways. How formed? *Over-climbers* Hatches, If strong and efficient? *Yes.*

State size No. 1 Hatch (Forward) *16 x 14* No. 2 Hatch *28 x 15* No. 3 Hatch *20 x 14* No. 4 Hatch *12 x 12*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *No. 1 Hatch 1 Web 3 fore Afters. No. 2 Hatch 3 Webs 13 fore Afters.*

No. 34 Hatches 1 Web 3 fore Afters No. 5 Hatch 1 beam 3 fore Afters No. of Broasthooks *8* No. of Crutches *3* 8 deep floors.

Bulwarks, height above deck and description *4' 6" - 6' 0" Steel plating 1/4" Rabbet Main Rail and Stays, material and size *7 x 3 x 7/8" Steel.**

The above is a correct description.

Builder's Signature *J. William Hunter* Surveyor's Signature *E. J. Milton* Surveyor to Lloyd's Register of British & Foreign Shipping.

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

M 21.10.07 28.10.07 13.11.07

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed & Lapped.*

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 plating? *a few*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *Yes.*

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *Yes.* State results of tests *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes.* State results of tests *Satisfactory*

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

This vessel has been built in accordance with the approved plans the Regulars Letters above quoted and in conformity with the Rules. The workmanship and materials are good throughout.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *50* ft., R.Q.D. or Break *ft.*, Bridge Dk. *122* ft., F'castle *51* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*

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). *1st (Steel) and Spar Deck (Steel Sheathed when exposed) & deep framing*

Official No. *796*; Signal Letters *None*

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 or with girders on floors *Cell. Sts.*

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	130	319	Fore peak tank,	20	50
Double bottom, under Engines and Boilers,			After peak tank,	22	50
Double bottom, if under Engines only,	24	94	Deep tank aft, in Tween decks.	44	434
Double bottom, if under Boilers only,			Deep tank forward.	42	456
Double bottom, forward,	180	555	Other tanks, if fitted,		
Total capacity		966	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. State whether the above have been tested as required by the Rules. *Yes.*

Order for Special Survey No. *4024*

Date *20.10.07*

No. *796* in builder's yard.

Dates of Surveys held while building *1907 Nov 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Dec 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Jan 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Feb 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Mar 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Apr 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, May 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Jun 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Jul 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Aug 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Sep 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Oct 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Nov 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, Dec 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31*

Total No. of Visits *91*

Fees applied for, *26 OCT 1908*

The amount of Entry Fee *£ 5: 0: 0*

Special *£ 146: 2: 6*

Travelling Expenses, if any *£ :*

Received by me, *28.10.08*

State whether the Vessel has been built under Special Survey. *Yes*

I am of opinion this Vessel should be Classed *1st (Steel) Spar Deck*

With, or without Freeboard, as condition of Class *Without*

Committee's Minute *10001*

Character assigned *for deck*

Lloyds A & C. P.

W. D. E. L. J.

2. M. 6. 1008

F. D. E. L. J.

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