

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London Office 21 Jan 1910

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

Date of completion of report 16th July 1910
 Survey held at *Leestermünde*
 On the *Steel Steamer Brinkenfeld*
 Tonnage under Tonnage Deck... 5323.03
 Do. between Tonnage Dk. and 3rd and 4th Dk. 22.63
 Total under Upper Dk. 5323.03
 Do. of Poop 22.63
 Do. of R.Q.Dk. 527.84
 Do. of Forecastle 98.83
 Do. of Houses on Dk. 180.48
 Do. of excess of Hatchways 6.82
 Do. above Crown of Engine Room 8.09
 Gross Tonnage 5638.60
 Less Crew Space 177.40
 Less above Crown of Engine Room 8.09
 Tonnage for Fees 5623.00
 Less Engine Room 27.32
 Less Navigation Spaces 27.32
 Register Tonnage as cut on Beam 3545.58

Port of *Bremerhaven*
 Date, First Survey 9th December 1908 Last Survey 16th July 1910
 Rig *2 pole masts*
 CLASS **100A1*
 Breadth (greatest moulded) 55.00
 Depth, at middle of length from top of keel to top of upper deck beams at side 31.25
 Transverse Number 86.25
 Length on deck from fore part of stem to after part of stern post 421.83
 Longitudinal Number 36382
 Depth "d," at middle of length (See Secs. 2 & 13) 19.5
 Proportions—Depth to Length—Upper Deck Beam at side to top of keel 13.498
 " " Long Bridge Deck Beam at side to top of keel 10.48
 Master *Fredericks*
 Year of appointment (1) As Master in service of owner of present vessel—19
 (2) As Master of this vessel—19
 Built at *Leestermünde*
 When built 1910 Launched 7.6.10
 By whom built *J. C. Tecklenborg A.G.*
 Owners *D. J. Geo. Hansa*
 Managers (Where necessary to be entered in Reg. Book.)
 Residence *Bremen*
 Port belonging to *Bremen*

Destined Voyage *East India* If Surveyed while Building, Afloat, or in Dry Dock *Building*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid	No. of Tiers of Beams
421	10		55			28	8 3/4		2	2
Moulded depth, ft. 40 ins. 3 To Bridge Dk. Round of Upper Dk. Beam, Actual 13 3/4 ins.										
Moulded depth, ft. 31 ins. 3 To Upper Dk. Dk. Beam, Actual										
FRAMING.						FORGINGS or CASTINGS.				
Inches in Ship.						Inches in Ship.				
FRAME, Angles, <i>4x4</i> or <i>L</i> Bars amidships						KEEL, Bar, depth and thickness				
Do. in peaks						STEM, moulding and thickness				
Do. in way of Double Bottoms at Solid Floors						STERN-POST for Rudder do. do.				
Spacing of Frames from centre to centre amidships						" for Propeller				
" " length to Collision bulkhead						RUDDER—A x D* Table 22				
" " in peaks						" Main-Piece, diameter at head				
" " " at heel						" " " " "				
REVERSED FRAME, Angles, <i>on floors</i>						RUDDER, how constructed <i>Forged, single plate, with hinged arms</i>				
FRAMING, depth of girder						Can the Rudder be unshipped afloat? <i>Yes</i>				
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						KEELSONS & STRINGERS.				
" in way of Engine and Boiler Spaces						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate				
" thickness at the ends of vessel						" Rider Plate				
" depth at 1/2 the half breadth, as per Rule						" Flat Plate Keel Angles				
" height extended at the Bilges						" Horizontal Plates on Floors				
FLOORS & BRACKETS in Cell Dble Bottoms						" Angles or Bulb Angles				
" state if flanged (top & bottom)						SIDE KEELSONS, Number				
" Spacing						" Angles or Bulb Angles				
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.						" Plate above floors, for length				
" Angles, Top						" Intercoastal Plate, for length				
" Bottom						" Attached to outside Plating with Angle				
" to Floors						BILGE KEELSON, Angles				
SIDE GIRDERS, number on each side & thickness						" Intercoastal Plate for length				
" state if flanged (top and bottom)						" Attached to outside Plating with Angle				
" Angles						SIDE STRINGERS, Number				
MARGIN PLATE, depth (exclusive of flange) and thickness						" Angle				
" Angles to Outside Plating						" Intercoastal Plate, for length				
" Floors						" Attached to outside plating with Angle				
" Height of Brackets above at bilge						Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)				
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						" " " " (in way of Bridge)				
" in Engine and Boiler space						" " " " Angle (clear of Bridge)				
" Remainder in Holds						" Tie Plate at sides of Hatchways				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Deck * <i>Iron or Steel</i> , for <i>full</i> lng.				
" Angles on upper edge <i>Under bridge</i>						" Thickness (clear of Bridge)				
" Spacing						" " (in way of Bridge)				
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Wood Deck. Material & thickness <i>Teak</i>				
" Angles on upper edge <i>deep tanks</i>						Second Deck Stringer Plate, br'dth & thickness				
" Spacing						" Angles on ditto, No.				
BEAMS, Third or Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" Tie Plates outside Hatchways				
" Angles on upper edge						Deck * <i>Iron or Steel</i> , for <i>full</i> lng.				
" Spacing						Wood Deck. Material & thickness <i>not sheathed</i>				
BEAMS, Fourth or Fifth Deck, Plate, Tee Bulb, or Channel						Third Deck Stringer Plate, br'dth & thickness				
" Angles on upper edge						" Angles on ditto, No.				
" Spacing						" Tie Plates outside Hatchways				
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						Deck * Material and thickness				
" Angles on upper edge						Fourth and Fifth Deck Stringer Plate, breadth & thickness				
" Spacing						" " " Angles on ditto, No.				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" " " Tie Plates outside Hatchways				
" Angles on upper edge						" Deck. Material & thickness				
" Spacing						Poop Deck Stringer Plate, breadth & thickness				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel						" Angle on ditto				
" Angles on upper edge						" Tie Plates				
" Spacing						" Deck. Material and thickness <i>Teak</i>				
PILLARS, In 'tween Deck, size and spacing						Bridge Deck Stringer Plate, br'dth & thickness				
" Hold						" Angle on ditto				
" Quarter 'tween Dks., " "						" Tie Plates				
" in Hold						" Deck. Material and thickness <i>Teak</i>				
WEB-FRAMES, In Fore Body, No. and spacing						Forecastle Deck Stringer Plate, b'dth & th'kns				
" br'dth. & thickness						" Angle on ditto				
" No. of Side Stringers						" Tie Plates				
WEB-FRAMES, In E. & B. Space, No. & spacing						" Deck. Material and thickness <i>Teak</i>				
" br'dth. & thickness						BULKHEADS.				
" No. of Side Stringers						Vessel. Per Rule. Thickness.				
WEB-FRAMES, In After Body, No. and spacing						Horizontal. Vertical.				
" br'dth. & thickness						Size. Spacing. Size. Spacing.				
" No. of Side Stringers						Single or Double Frames.				
" Size of Face Angles to Web-Frames						Height up.				
BRACKET PLATES to Stringers between Web Frames, depth and thickness						W. T. BULKHEADS				
						COLLISION				
						PARTITION				
						LONGITUDINAL				
						Are the outside Plates doubled two spaces of Frames in length?				
						Are the Sluice Valves and Watertight Doors in efficient working order?				

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		RIVETING.			
	AMIDSHIP.		FORWARD.		AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		BUTTS.	
	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.			Diam.	Spacing or to cr.		
FLAT PLATE KEEL	48	1.00	.74	.74	48	1.00	Full	6 3/4	1 1/2	4 1/2	Full	
GARBOARD OF A Strake	48	.64	.64	.48	48	.64		5 1/4	7/8	3 1/2	Full	
B	81	.64	.64	.48	81	.64						
C	72	.64	.64	.48	72	.48						
D	77	.68	.50	.48	77	.66		6	1	4	1-1/2	
E	78	.66	.50	.48	78	.66						
F	55	.64	.56	.46	55	.64		5 1/4	7/8	3 1/2	Full	
G	60	.64	.56	.46	60	.64						
H	55	.64	.56	.46	55	.64						
J	55	.64	.56	.46	55	.64						
K	51	.84	.46	.46	51	.84		6	1	4	1-1/2	
L	48	1.00	.46	.46	48	1.00	Full	5 1/4	7/8	3 1/2	Full	
M		.68										
N												
O												
P												
Q												
R												
S												
DOUBLING OF Flat Plate Keel	48	.64			48	.64	Full	5 1/4	7/8	3 1/2	Full	
POOP SIDES				.42								
SHORT BRIDGE SIDES	108	.68										
FORECASTLE SIDES			.42									

Write "Bridge, Sheer Strake" and "Upper Deck Sheerstrake" opposite the corresponding letter.

Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

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. *Ed. Steel, Lutz, Hoffmann, Deutsche Eisen, Rhein, Hordt, Brille, Fuchs, Schott, Hilt und Wiedendorfer Eisenwerk.*

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

FRAMES extend in one length from *Margin plate* to *Upper Deck, Poop & Forecastle* State if ordinary or joggled *ordinary*

REVERSED FRAMES on floors and frames extend from *full length framing, on tank only* State if ordinary or joggled *joggled on tank only*

MASTS, SPARS, &c.

LOWER MASTS.	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	
Fore	Steel	107	27 X .40	27 X .40	22 X .36	5 X .26	Two			Full
Main										
Mizen										

Bowspit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds *4 steel wire, Foremast 4 1/2, Mainmast 3 1/2* Stays

Sails *one* Suit of *Upper Main & Luty* sails, and the following spare sails

EQUIPMENT No. 38500 LETTER A

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.		TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 31.		Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts. qrs. lbs.	Tons.		Cwts. qrs. lbs.	Tons.			
8137	1st Bower	66	2 1/2	51.9	68		Hookless British	Pickard & Co.	Cardiff 6.7.10 G. Penn
8138	2nd "	66	2 1/4	51.9	68				
8136	3rd "	64	0	50.5	58	2			
	4th "								
	Collective weight	197	1		194	2			
8139	Stream	19	3	20.5	19		Ordinary		
8140	Kedge	8	1 1/4	10.5	8				

CHAIN CABLES.

Number of Certificate.	Length and size supplied.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Length and size per Table 31.	Description.	Makers of Cables.	Where and when tested, and Superintendent.
			Supplied.	Per Rule.				
10186	270 fms. 2 3/4	24 1/2	22 1/2	22 1/2	270 fms.	Hookless British	Pickard & Co.	Cardiff 5.7.10 G. Penn

HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.	Test per Certificate.	Length and size per Table 31.	Description.	Makers of Cables.	Where and when tested, and Superintendent.

Boats 4 steel life boats, 26' x 8' x 3' 6" & 2 others 20' x 6' x 2' 6" Steering Gear, Steam Donkin system Steering Gear, Hand Hatters

Pumps Number 1 Donkin, connected to bilge suction Diameter of Barrel 5" State whether they are in efficient working order *Yes*

Windlass is *Hookless* system for steam & hand **Capstan** *None*

Engine Room Skylights—How constructed? *Steel in casing on deck and house on bridge*

What arrangements for deadlights in bad weather? *Steel shutters*

Coal Bunker Openings—How constructed? *Steel casing* How are lids secured? *latched down* Height above deck? *32' above deck*

Number of **Scuppers**, and numbers and dimensions of **Freeing Ports**, &c. *8 scuppers on each side and gun rails in fore and aft wells*

Ceiling in Holds, thickness and material *2 1/2" pine* **Cargo Battens**, thickness and material *2 1/2" x 12" pine*

Cargo Hatchways—How formed? *Steel casing, round corners 30' above weather deck* **Hatches**, If strong and efficient? *Yes*

State size No. 1 Hatch (Forward) *17'8" x 14'1"* No. 2 Hatch *28'2" x 15'1"* No. 3 Hatch *22'1" x 14'1"* No. 4 Hatch *22'1" x 14'1"*

Number of **Web Plates**, **Shifting Beams** and **Fore and Afters** to each Hatch *4.1.10 & 1.10 held 3 each, 4.11 held 4 web plates on fore and afters hatches are fitted longships*

No. of **Breasthooks** *3* No. of **Crutches** *4*

Bulwarks, height above deck and description *48" x 1.30' gun rails at hatch ways* Main Rail, material and size *6 3/4" x 1 1/2"*

The above is a correct description.

Builder's Signature (here only) *JOHN G. TECKLENBORG A.G.* Surveyor's Signature *Geo. Dyke J. Thompson.*

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) *28.10/11.11. 15.11.1910/11.4./18.5.1910 init M.*

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 facing 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*

Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *Yes* State results of tests *good*

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes* State results of tests *good*

General Remarks (State quality of workmanship, &c.) *This vessel has been built under special in accordance with the approved drawings, which have been forwarded with my Report No. 1542 on the S.S. Okefenokee and which are still in London.*

This is a sister ship to the S.S. Okefenokee and is exactly of the same dimensions and arrangement.

She has been built of good material, manufactured at approved works and tested as per rule.

The workmanship is very good and the decks, gutterways, tunnels, bulkheads and tanks have been tested as per rule and found quite tight.

The steamer is fitted with wireless telegraphy on the Telefunken system.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *60.7* ft., R.Q.D. ft., Bridge *123.7* ft., Forecastle *50.7* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Poop and Bridge are 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) *2 steel decks, Upper deck sheathed with oak where exposed.*

Official No. ; Signal Letters State if Machinery is fitted aft *No*

How are the surfaces preserved from oxidation? Inside *Cement and paint* Outside *Paint*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *Cellular system*

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft, <i>Frame 11-75</i>	141.4	445	Fore peak tank, <i>Frame 81-Stem</i>	22'	86
Double bottom, under Engines and Boilers.			After peak tank, <i>3-11</i>	16'	60
Double bottom, if under Engines only, <i>76-87</i>	24' 3 1/2"	109	Deep tank, aft, <i>between deck frames 56-75</i>	41' 11 1/2"	451
Double bottom, if under Boilers only, <i>87-98</i>	24' 3 1/2"	109	Deep tank, forward, <i>103-121</i>	39' 9"	426
Double bottom, forward,	123' 3 1/2"	671	Other tanks, if fitted,		
	Total capacity of double bottom	1225	(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. *56*

Date *26.10.09*

No. *236* in builder's yard.

Days of Survey held while building

9.12/15.12/18.12/1909/4.1/6.1/10.1/14.1/21.1/25.1/29.1/4.2/5.2/9.2/11.2/12.2/16.2/22.2/24.2/3.3/5.3/10.3/16.3/22.3/30.3/2.4/5.4/8.4/11.4/13.4/14.4/16.4/20.4/23.4/26.4/2.5/3.5/9.5/10.5/20.5/27.5/30.5/31.5/1.6/3.6/4.6/7.6/9.6/18.6/22.6/25.6/27.6/1.7/7.7/11.7/16.7/19.7

Total No. of Visits *55*

The amount of Entry Fee £ *5* : : Fees applied for, *18.7.1910*

Special Survey Fee £ *167* : 9 : - Received by me, *18.7.1910*

Travelling Expenses, if any £ *15* : : £ *4* 7/6

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

I am of opinion this Vessel should be Classed **100 A1 with 6 Bulkheads J. Thompson.* Geo. Dyke

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

Committee's Minute *FRI. 22 JUL 1910*

Character assigned *100A1*

Lloyd's as per

Thine 7.10

Engine

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