

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 24531

State of Report is also sent on the Machinery of the Vessel. *Yes*
 Port of *Sunderland* Date of completion of Report *20th July 1910* Received at London Office *11th Aug 1910*
 Survey held at *Sunderland* Date, First Survey *22nd July 1910* Last Survey *16th July 1910*
 On the *Steel Steamer OAKMERE* Rig *Schooner*

TONNAGE under
 Tonnage Deck... *1107.84*
 Do. between Tonnage Dk. and
 3rd, 4th, or Awning Dk. *2.83*
 Total under Upper Dk. *1110.67*
 Do. of Poop *42.68*
 Do. of R. Q. Dk. Side Houses *1.71*
 Do. of Bridge House *70.44*
 Do. of Forecastle *17.50*
 Do. of Houses on Deck *4.12*
 Do. of excess of Hatchways *4.12*
 Do. above Crown of
 Room... *1251.24*
 Space *79.96*
 Crown of
 Room... *1171.28*
 Room *400.40*
 Hatchway Spaces *26.73*

CLASS *100 A1*
 Breadth (greatest moulded) *35.75*
 Depth, at middle of length from top of keel to top of
 beams at side of uppermost Continuous Deck *25.48*
 Deduct height of 'tween deck when this does not exceed 8ft. *7.25*
 Transverse Number *53.98*
 Length on deck from fore part of stem to after part of
 sternpost *245.0*
 Longitudinal Number *132250*
 Depth "d" at middle of length. See Secs. 2 & 13 *15.11 1/2*
 Proportions, Depths to Length, Uppermost Continuous
 Deck at side to top of keel *9.61*
 " " Upper Deck at side
 to top of keel *13.44*

Master *A. H. Britten*
 Year of Appointment *1903*
 Built at *Sunderland*
 When built *1910* Launched *8th June 1910*
 By whom built *Sunderland S. B. C. L^d*
 Owners *Watson S. S. C. L^d*
 Managers *Herbert Watson & Co*
 Residence *40 Brahamwell St. Manchester*
 Port belonging to *Manchester*

Tonnage *744.15* Destined Voyage *Panama* If Surveyed while Building, Afloat, or in Dry Dock *Building & Afloat*
 No. of Decks with flat laid *One & a half*
 No. of Tiers of Beams *One & a half*
 Length *245.0* breadth *36.0* depth *15.95* Upper Deck. Moulded depth, ft. *18* ins. *2 3/4* To Upper Dk.
 Awn. or Shelter Dk. Moulded depth, ft. *2.5* ins. *5 3/4* To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual *8 3/4* ins.

FRAMING.						PILLARS.					
Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule	Inches per Rule	Inches per Rule	Inches in Ship	Inches in Ship	Inches in Ship	Inches per Rule	Inches per Rule	Inches per Rule
Angles, or Cor. Bars, amidships	7	3	42	17	3	42	PILLARS, In 'tween Deck, size and spacing	2 3/4	46	2 3/4	46
Peaks	5 1/2	3	38	5 1/2	3	38	" " Hold	3 1/4	46	3 1/4	46
Way of Double Bottoms at Solid Floors	3	3	32	3	3	32	" " Quarter, 'tween Dks., "	-	-	-	-
" " at intermdt. Bkts.	4 1/2	3	36	4 1/2	3	36	" " in Hold	-	-	-	-
Frames from centre to centre amidships	23	-	-	23	-	-	KEELSONS AND STRINGERS.				
length to collision bulkhead	23	-	-	23	-	-	CENTRE LINE KEELSON, Vertical Plate above				
Frames from centre to centre in peaks	23	-	-	23	-	-	floors, Through Plate, or Intercoastal Plate				
RED FRAME, Angles	3	3	32	3	3	32	" Rider Plate				
Way of Double bottoms at Solid Floors	-	-	-	-	-	-	" Flat Keel Plate Angles				
" " at intermdt. Bkts.	none	-	-	-	-	-	" Horizontal Plates on Floors				
Depth of girder	-	-	-	-	-	-	" Angles or Bulb Angles				
Depth and thickness of Floor Plate	Cellulose						SIDE KEELSONS, Number				
Way of Engine and Boiler spaces							" Angles or Bulb Angles				
Thickness at the ends of vessel	Double						" Plate above floors, for length				
Depth at 1/2 the half-bdth. as per Rule							" Intercoastal Plate, for length				
Height extended at the Bilges	Bottom						" Attached to outside plating with Angle				
BRACKETS, in Cell Dble Bottoms							BILGE KEELSON, Angles				
" state if flanged (top & bottom)	20	-	-	-	-		" Intercoastal Plate, for length				
" spacing	46	-	-	-	-		" Attached to outside plating with Angle				
GIRDER, in Dbl bottom, dpth & thickness	34	42	36	34	42	36	SIDE STRINGERS, Number				
" Angles, Top	3	3	40	3	3	40	" Angle	5 1/2	3	40	5 1/2
" Bottom	4	4	48	4	4	48	" Intercoastal Plate, for full lng.	-	-	36	-
" to Floors	3	3	32	3	3	32	" Attached to outside plating with Angle	flanged	-	-	-
ROERS, number and thickness	one	-	30	one	-	30	Awning or Shelter Deck Stringer Plates, breadth and thickness	5 1/2 x 42	34	5 1/2 x 42	34
" state if flanged (top & bottom)	20	-	-	-	-		" Angle on ditto	4 x 4	48	4 x 4	48
Angles	2 1/2	3	32	2 1/2	3	32	" Tie Plates, fore and aft, outside Hatchways	-	-	-	-
PLATE, depth (exclusive of flange) and thickness	28	-	36	25	-	36	" Deck * Iron or Steel, for full lng.	-	-	32-30	-
Angles to outside plating	flanged	-	-	-	-		" Wood Deck Material & thickness	-	-	-	-
" to floors	3	3	32	3	3	32	Upper Deck Stringer Plate, breadth and thickness	5 1/2	36	34	5 1/2
Height of Brackets above at bilge	14	-	-	-	-		" Angles on ditto, No.	3 1/2	34	38	3 1/2
BOTTOM PLATING, breadth and thickness in Engine and Boiler space	53	40	34	34	40	34	" Tie Plates, outside Hatchways	-	-	28	-
" Remainder in Holds	42	38	38	38	34		" Deck * Iron or Steel, for full lng.	-	-	-	-
Awning or Shlter Dk, Single Angle, Tee Bulb or Channel	5 1/2	3	40	5 1/2	3	40	Wood Deck Material & thickness	-	-	-	-
Angles on upper edge	5 1/2	3	40	5 1/2	3	40	Second Deck Stringer Plates, br'dth & th'kns				
Angles on upper edge	23	-	-	23	-	-	" Angles on ditto, No.	-	-	-	-
Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	5 1/2	3	34	5 1/2	3	34	" Tie Plates, outside Hatchways	-	-	-	-
Angles on upper edge	23	-	-	23	-	-	" Deck * Material and thickness	-	-	-	-
Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/2	3	50	7 1/2	3	50	Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness				
Angles on upper edge	46	-	-	46	-	-	" Angles on ditto, No.	-	-	-	-
Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/2	3	50	7 1/2	3	50	" Tie Plates, outside Hatchways	-	-	-	-
Angles on upper edge	46	-	-	46	-	-	" Deck, Material and thickness	-	-	-	-
Spacing	-	-	-	-	-	-	Poop Deck Stringer Plate, breadth & thickness	30	34	30	34
Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/2	3	50	7 1/2	3	50	" Angles on ditto	3 1/2	34	38	3 1/2
Angles on upper edge	46	-	-	46	-	-	" Tie Plates	14	46	14	46
Spacing	-	-	-	-	-	-	" Deck, Material and thickness	5 x 3	PP	5 x 3	PP
Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/2	3	50	7 1/2	3	50	Bridge Deck Stringer Plate, br'dth & th'kns				
Angles on upper edge	46	-	-	46	-	-	" Angle on ditto	-	-	-	-
Spacing	-	-	-	-	-	-	" Tie Plates	-	-	-	-
Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/2	3	50	7 1/2	3	50	" Deck, Material and thickness	-	-	-	-
Angles on upper edge	46	-	-	46	-	-	Forecastle Deck Stringer Plate, br'dth & th'kns				
Spacing	-	-	-	-	-	-	" Angle on ditto	-	-	-	-
	-	-	-	-	-	-	" Tie Plates	-	-	-	-
	-	-	-	-	-	-	" Deck, Material and thickness	-	-	-	-

WEB FRAMES. WEB-FRAMES, In Fore Body, No. and spacing brdth. & thickness 36 .30 36 .30 No. of Side Stringers 2 WEB-FRAMES, In E. & B. Space, No. & spacing brdth. & thickness 14 .34 14 .34 WEB-FRAMES, In After Body, No. and spacing brdth. & thickness 36 .30 36 .30 No. of Side Stringers 2 BRACKET PLATES to Stringers between Web Frames, depth and thickness 36 .30 36 .30 BULKHEADS. Number. Thickness. STIFFENERS. Single or Double Frames. Height up. W.T.BULKHEADS 2 2 .30 8x3 30 Single Up. 54 AFTER PK. 1 1 .36 8x3 30 Single Up. 54 COLLISION 1 1 .36 8x3 30 Single Up. 54 PARTITION 2 2 .30 8x3 30 Single Up. 54 LONGITUDINAL 1 1 .36 8x3 30 Single Up. 54 FORGINGS or CASTINGS. KEEL, Bar, depth and thickness 7 1/4 x 2 1/4 STEM, moulding and thickness 6 1/2 x 5 1/4 STERN-POST for Rudder do. do. 7 1/4 x 5 1/4 for Propeller 7 1/4 x 5 1/4 RUDDER-A x D Table 22. Speed 10 knots. N 226.2 Main-Piece, diameter at head 7 at heel 5 3/8 RUDDER, how constructed Single plate, forged & built Thickness of Plates or Single Plate 98 Can the Rudder be unshipped afloat? yes 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. L. S. Durham Steel & Iron Works Co. Ltd. Has the Steel been tested as required by the Rules? yes PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. Ordinary or jogged? Ordinary BUTTS. Double or Treble and for what Length. Rivets. Diam. Spacing or to cr. Rivets. Diam. Spacing or to cr. IF LAPPED. Rivets. Diam. Spacing or to cr. IF LAPPED. Rivets. Diam. Spacing or to cr. FLAT PLATE KEEL (If Bar Keel, state Riveting.) GABBOARD OF A Strake B C D E F MAIN SHEER H J K L M N O P Q R S T U V W THICKNESS OF STRIKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DELG. of Flat Plate Keel Sheerstrakes Length and thickness POOP SIDES SHORT BRIDGE SIDES FORECASTLE SIDES Butts, riveted for half length amidship. Straps, single, double or overlapped for full length amidship. Upper Deck Butts, riveted for full length amidship. Straps, single or overlapped for full length amidship. FRAMES extend in one length from Bulk girder to tank margin there to 54. REVERSED FRAMES on floors and frames extend from Bulk girder to tank margin (Bulk Angle framing in holds) MASTS, SPARS, &c. LOWER MASTS Fore Main Mizzen Bowsprit Topmasts, Yards and Remainder of Spars Rigging, Material and Size, Shrouds 3/4 Stay 3/4 Sails. One Suit of fore & aft Sails, and the following spare sails

Compul

Mechanical tests by Johannes Meijer. 28-12-09
2-5-10
19-4-10.

EQUIPMENT No. 14799 LETTER 10										ANCHORS. Letter from Owners accepting anchors forwarded herewith.									
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE				WEIGHT REQ. BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.					
35858	1st Bower	31	1	14	Stockless			29	13	0	14	30	2	0	Sykes' Britannic	R. Sykes & Co.	L.P.H.T.	29-1-10	E.E. Perrins
36277	2nd "	30	0	18	do			28	14	1	14	30	2	0	do	do	do	25-5-10	do
7093	3rd "	26	0	10	do			25	14	1	14	26	0	0	do	do	L.P.H.C.H.	31-5-10	E.E. Perrins
	Collective weight	87	2	14								87	0	0					
64191	Stream	7	3	9	1	3	24	10	0	1	7	7	3	0	Iron stock	H. Bloomer & Sons	Nth.	1-5-10	H. Bloomer
64190	Kedge	4	1	9	1	0	13	6	15	0	0	4	1	0	"	"	"	"	H. Bloomer

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and Size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Fathoms and Size per Table 31.		Description.	Makers of Cables.	Where and when tested, and Superintendent.		Material.	Length and Size supplied.		Breaking Test of Steel Wire Towline.		Fathoms and size per Table 31.	
	Length.	Diam.	Statio-ry.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.						Length.	Ins.	Tons.	Ins.	Length.	Ins.
37644	240	1 1/8	66-10-0	3240-18	317-1-17	240	1 1/8	1 1/8	Stand	H. Bloomer & Sons	Tipton 1 June 11		TOWLINE	90	3 1/4	22	90	3 1/4	22
									Link	G.E. Perrins				90	2 1/4	9 1/2	2-90	2 1/4	9 1/2
Iron Stream Chain or Steel Wire...	75	3 3/4	29	-	-	-	75	3 3/4	Steel	Bloomer & Sons	By Makers			90	1 3/4	5 1/2	2-90	1 3/4	5 1/2

Boats 3 lifeboats, one dinghy
Pumps, Number 2 Downer (Hand pump & F.P.M. 5")
Windlass is by Blake Chapman & Co.
Engine Room Skylights.—How constructed? Steel plates
Coal Bunker Openings.—How constructed? Steel casings
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 4 scuppers on deck, 1 F. Port 3' 0" x 2' 5"
Ceiling in Holds, thickness and material 2 1/2" W.P.
Cargo Hatchways.—How formed? Steel casings
State size No. 1 Hatch (Forward) 15' 4" x 12' 0" No. 2 Hatch 19' 2" x 13' 11 1/2" No. 3 Hatch 17' 3" x 13' 11 1/2" No. 4 Hatch 13' 5" x 12' 0"
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch One web. 3 fore & afters.
No. of Breasthooks Four No. of Crutches Dup floors
Bulwarks, height above deck and description Open rails.
The foregoing is a correct description.
Builder's Signature (here only) J. Allan
Surveyor's Signature J. Allan
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 this case) M. 4.2.10, 18.2.10, 25.2.10, 9.3.10, 15.4.10, 15.4.10, E. 11.3.10, M. 14.7.10, 15.7.10, 21.7.10.

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? joggled framing
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? one or two

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 satisfactory

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? yes

State results of tests satisfactory

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the approved plans & generally in accordance with the Rules. The workmanship throughout is good.

Letter from Owners re. acceptance of steel wires will be forwarded in due course.

PARTICULARS FOR RECORD IN THE REGISTER BOOK
(In feet and tenths) When the Prop is joined to the H.D., this should be distinctly stated

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

The amount of Entry Fee £ 4 : - : -
Special Survey Fee ... £ 54 : 5 : 6
Travelling Expenses, if any £ - : - : -
Fees applied for, Received by me, 29.7.10

State whether the Vessel has been built under Special Survey Yes
Note of opinion this Vessel should be Classed +100 A1 Shelter 2th
With, or without Freeboard, as condition of Class With freeboard

Committee's Minute
Character assigned Shelter 2th with freeboard

Lloyd's at 7.10

Surveyor's Signature J. Allan

Surveyor's Signature J. Allan

Surveyor's Signature J. Allan

GENERAL REMARKS—(continued).

[Faint, mostly illegible handwritten text in the upper section of the form, likely bleed-through from the reverse side.]

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Complete Shelter Deck.

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 should appear in the Register Book) 1 IRON (P.L.) and Shelter IRON (P.L.)
 Official No. 124289; Signal Letters State if Machinery is fitted aft NO
 How are the surfaces preserved from oxidation? Inside Paint & Cement Outside Paint

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>61' 4"</u>	<u>70</u>	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,	<u>17' 3"</u>	<u>32</u>	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<u>115' 0"</u>	<u>181</u>	Other tanks, if fitted,		
Total capacity of double bottom		<u>283</u>	(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. 4800
 Date 1 2 1910
 No. 259 in builder's yard.
 Dates of Surveys held while building 1910 Feb. 22. 23. 28. Mar. 2. 4. 10. 17. 18. 22. 30. Apr. 1. 4. 7. 11. 13. 18. 22. 27. 29. May 2. 6. 10. 12. 17. 25. 26. 27. 30. 24. June 3. 7. 8. 14. 29. July 12. 13. 14. 15. 16.

Surveyor's Signature J. Allan