

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 59902
THUR. 9 MAR 1911

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

Port of NEWCASTLE ON TYNE Date of completion of Report 5th July 1910 Received at London Office 3rd March 1911
 Survey held at Newcastle (Walker) Date, First Survey 5th July 1910 Last Survey 3rd March 1911
 On the S.S. Arabien Rig Schooner Master J.B. Cortsen
 TONNAGE under 4498.94 CLASS 100 A.1 Shelter Deck. Year of Appointment 1911
 Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. 62.28 Breadth (greatest moulded) 53.00
 Total under Upper Dk. 4734.28 Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 38.50
 Do. of Poop 10.68 Deduct height of 'tween deck when this does not exceed 8ft. 7.75
 Do. of R. of Dk. 50.93 Transverse Number 83.75
 Do. of Bridge House 124.89 Length on deck from fore part of stem to after part of sternpost 384.75
 Do. of Forecastle 6.56 Longitudinal Number 32222
 Do. of Houses on Deck 4604.83 Depth "d" at middle of length. See Secs. 2 & 13 19.16
 Do. of excess of Hatchways 1514.97 Proportions, Depth to Length, Uppermost Continuous Deck at side to top of keel 9.99
 Do. above Crown of Engine Room 70.70 " " Upper Deck at side to top of keel 12.5
 Gross Tonnage 3019.16 Destined Voyage Copenhagen If Surveyed while Building, Afloat, or in Dry Dock Yes
 Less Crew Space 129.45
 Less above Crown of Engine Room 4604.83
 TONNAGE FOR FEES 1514.97
 Less Engine Room 70.70
 Less Navigation Spaces 3019.16

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL Do.	Top of Floors to top of Awn. or Shelter Dk. Beams do.	Upper Deck Beams	No. of Decks with flat laid	No. of Tiers of Beams
384	9		53	0				38	2	3

Dimensions of Ship per Register,
Length 386 breadth 53.25 depth 28.15 Upper Deck.
Moulded depth, ft. 30 ins. 9 To Upper Dk.

Awn. or Shelter Dk. Moulded depth, ft. 38 ins. 6 To Awn. or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 12 1/2 ins.

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved	Inches per Rule Or as Approved	Inches per Rule Or as Approved	PILLARS.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved	Inches per Rule Or as Approved	
FRAME, Angles, or E or L Bars, amidships	7	3 1/2	48	7	3 1/2	48	PILLARS, in 'tween Deck, size and spacing						
Do. in peaks	7	3 1/2	44	7	3 1/2	44	" " Hold						
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Quarter, 'tween Dks.,	2 1/8	3 1/2	52	2 1/8	62	
" " at intermdt. Bkts.							" " in Hold	8	Wide spaced	no approved			
Spacing of Frames from centre to centre amidships	26			26			KEELSONS AND STRINGERS.						
" length to collision bulkhead	26			26			CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate						
" of Frames from centre to centre in peaks	24			24			" Rider Plate						
REVERSED FRAME, Angles	6 1/2	3 1/2	44	6 1/2	3 1/2	44	" Flat Keel Plate Angles						
Do. in way of Double bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Horizontal Plates on Floors						
" " at intermdt. Bkts.							" Angles or Bulb Angles						
FRAMING, depth of girder	9 1/2			9 1/2			SIDE KEELSONS, Number						
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships							" Angles or Bulb Angles						
" in way of Engine and Boiler spaces							" Plate above floors, for length						
" thickness at the ends of vessel							" Intercostal Plate, for length						
" depth at 1/2 the half-bdth. as per Rule							" Attached to outside plating with Angle						
" height extended at the Bilges							BILGE KEELSON, Angles						
FLOORS & BRACKETS, in Cell Dble Bottoms	40			40			" Intercostal Plate, for length						
" " state if flanged (top & bottom)	40			40			" Attached to outside plating with Angle						
" " spacing	26			26			SIDE STRINGERS, Number	2					
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	43			50	43	50	" " Angle	6 1/2	3 1/2	60	6 1/2	3 1/2	60
" " Angles, Top	3 1/2	3 1/2	50	3 1/2	3 1/2	50	" " Intercostal Plate, for full lng.			44			44
" " Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60	" Attached to outside plating with Angle			Flanged			
" " to Floors	5	5	66	5	5	66	Awning or Shelter Deck Stringer Plates, breadth and thickness	52	52	52	52		
DE GIRDERS, number and thickness	2			40	2	40	" Angle on ditto	4 1/2	4 1/2	58	4 1/2	4 1/2	58
" " state if flanged (top & bottom)	40			40			" Tie Plates, fore and aft, outside Hatchways						
" Angles	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Deck * Iron or Steel, for full lng.			36			36
REGIN PLATE, depth (exclusive of flange) and thickness	36			48	36	48	" Wood Deck. Material & thickness Teak	5	2 1/2				
" Angles to outside plating	4	4	48	4	4	48	Upper Deck Stringer Plate, breadth and thickness	47	48	47	48		
" " to floors	5	5	62	5	5	62	" Angles on ditto, No. 1	3 1/2	3 1/2	48	3 1/2	3 1/2	48
" Height of Brackets above at bilge	27			25			" Tie Plates, outside Hatchways						
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake	78			46	78	46	" Deck * Iron or Steel, for full lng.			36			36
" " thickness in Engine and Boiler space	48			48	56		" Wood Deck. Material & thickness						
" " Remainder in Holds				40			Second Deck Stringer Plates, br'dth & th'kns	72	40	72	40		
MS, Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	9 1/2	3 1/2	52	9 1/2	3 1/2	52	" Angles on ditto, No. 1	3 1/2	3 1/2	48	3 1/2	3 1/2	48
" Angles on upper edge							" Tie Plates, outside Hatchways						
" Spacing	52			52			" Deck * Material and thickness Steel			40			40
MS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/2	3	42	7 1/2	3	42	Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness						
" Angles on upper edge							" Angles on ditto, No.						
" Spacing	26			26			" Tie Plates, outside Hatchways						
MS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	11	3 1/2	62	11	3 1/2	62	" Deck. Material and thickness						
" Angles on upper edge							Poop Deck Stringer Plate, breadth & thickness						
" Spacing	62			62			" Angles on ditto						
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							" Tie Plates						
" Angles on upper edge							" Deck. Material and thickness						
" Spacing							Bridge Deck Stringer Plate, br'dth & thickness						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							" Angle on ditto						
" Angles on upper edge							" Tie Plates						
" Spacing							" Deck. Material and thickness						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel							Forecastle Deck Stringer Plate, br'dth & th'kns						
" Angles on upper edge							" Angle on ditto						
" Spacing							" Tie Plates						
							" Deck. Material and thickness						

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Insurance

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EQUIPMENT No. 84699						LETTER Y						ANCHORS.					
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.	
13857		1st Bower		57	1	14	Stockless		46	17	0	21	54	Byers Stockless		W.L. Byers & Co. L.P.H.S. 21/12/10 L.H. Penn	
13918		2nd "		56	3	14	"		46	10	3	21	54	"		" 7/1/11 " "	
13919		3rd "		56	3	7	"		46	10	3	21	56	"		" 7/1/11 " "	
		Collective weight		171	0	7							170	2		-	
8248		Stream		16	3	14	4	1	14	18	2	0	0	16	1		-
8249		Kedge		7	1	7	1	3	14	9	10	0	0	7	-		-

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.	Status.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.									Length.	Oir.	Tons.	Fathoms.	Ins.	
		Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
10349		270	2 3/8	56 3/4	120 1/2	645	3	14	645	3	0	270	2 3/8	Steel R. Sykes & Son L.P.H.C. 27/9/10 G.W. Penn				TOWLINE	120	4 3/4	47	120	4 3/4
																		HAWSERS & WARPS	90	3	18	90	3
From Stream Chain or Steel Wire...		90	Oir.	43 1/4	47							90	Oir.					" "	4 in ho			4 in ho	
																		" "	90	8	Man		
																		" "	2 in ho				

Boats 4 Life Cutters 1 Gig 1 Dinghy
Pumps, Number One Downton
Windlass is Iron patent
Engine Room Skylights.—How constructed? Steel
Coal Bunker Openings.—How constructed? Steel Coamings How are lids secured? Bolted Height above deck? 32"
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 7 Scuppers to Upper Deck & Open Rails on Shelter Deck.
Ceiling in Holds, thickness and material 2 1/2" W.P. on 2" battens Cargo Battens, thickness and material 7x2 W.P.
Cargo Hatchways.—How formed? Steel Coamings Hatches, If strong and efficient? Yes
State size No. 1 Hatch (Forward) 28'2"x16'0" No. 2 Hatch 30'4"x16'0" No. 3 Hatch 32'6"x16'0" No. 4 Hatch 21'8"x16'0"
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 6 Webs in Nos 1, 2 & 3 8 3 in No 4
Bulwarks, height above deck and description Open rails
The foregoing is a correct description ER. & WIGHAM RICHARDSON, LTD.
Builder's Signature (here only) J. M. Christie Surveyor's Signature E. J. Milton
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 24-6-10 30-6-10 5-8-10 16-8-10 - 16-9-10
Workmanship. Are the butts of plating planed or otherwise fitted? Planed and 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 the 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. 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 in accordance with the Rules, the approved plans and the Secretary's letters quoted above The workmanship and materials are good throughout.
With a view to carrying Oil fuel in the Cellular Double-bottom as cargo, the ceiling has been laid on 2" battens and air pipes fitted with a goose neck above shelter deck and the requirements of Sec 119 complied with.

The Builders No 854, now building is to be a duplicate.
The Surveyor should state the Number of Report and Name of any Sister Vessel.

The amount of Entry Fee £ 5 : 0 : 0 Fees applied for,
Special Survey Fee.... £ 140 : 2 : 6 Received by me, Jm
Travelling Expenses, if any £ : : 10.3.1911
Certificate to be sent to NEWCASTLE ON TYNE Date of issue 11/3/11
State whether the Vessel has been built under Special Survey Yes
I am of opinion this Vessel should be Classed 100 A. 1. Steel Shelter Deck
With, or without Freeboard, as condition of Class With freeboard
Surveyor to Lloyd's Register of British and Foreign Shipping. E. J. Milton

Committee's Minute
Character assigned 100 A. 1
Chester d.k. with fbd
Lloyd's 276.0 JR + LMB 3.11

GENERAL REMARKS—(continued).

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 with one tonnage opening aft*

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 St. Deck (Steel) Shelter Deck 5th Peak (sheathed)*

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

How are the surfaces preserved from oxidation? Inside *Portland Cement, Bitumastic V Paint* Outside *Paint*

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

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>173.0</i>	<i>265</i>	Fore peak tank,	<i>21.6</i>	<i>90</i>
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,	<i>19.6</i>	<i>77</i>	Deep tank, aft,		
Double bottom, if under Boilers only, <i>Dry Tank</i>	<i>39.0</i>	<i>755</i>	Deep tank, forward,		
Double bottom, forward,	<i>151.8</i>	<i>461</i>	Other tanks, if fitted,		
	Total capacity of double bottom	<i>903</i>	(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 (See H. 9. par. 2)*

Order for Special Survey No. *4195*

Date *10.8.10*

No. *846* in builder's yard.

DATES OF SURVEYS held while building

1910
Jul. 5. 7. 13. 15. 18. 21. 27. 29. Aug. 2. 12. 15. 16. 22. 23. 24. 26. 29. Sep. 1. 6. 12. 14. 15. 23. Oct. 5. 27. 31.
1911
Nov. 7. 9. 16. 23. Dec. 1. 6. 15. 16. 19. 20. 22. 23. 29. 30. Jan. 11. 15. 18. 24. 25. 26. 30. Feb. 2. 6. 8. 10. 15. 16. 20. 22.
23. 24. 27. 28. Mar. 2. 3.

Surveyor's Signature

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Total No. of Visits *61*
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