

Awning or Shelter Deck,
or Pt. Awning Deck.

STEEL STEAMER.

No. 63482

Port of Newcastle Date of completion of Report 31st December 1912 Received at London Office WED. JAN. - 1 1913
Survey held at Newcastle Date, First Survey 28th Aug 1911 Last Survey 20th December 1912
On the (State if Single, Twin, or Triple Screw) Single Screw Steamer EBOE Rig Schooner

TONNAGE under
Tonnage Deck... 4259.97
Do. between Tonnage Dk. and
3rd, 4th, or Awning Dk. 176.69
Total under Upper Dk. 156.24
Do. of Poop 103.76
Do. of R. Qr. Dk. 144.35
Do. of Bridge House 12.75
of Forecastle 16.67
of Houses on Deck 4866.43
of excess of Hatchways 222.91
above Crown of 16.67
Engine Room 4626.85
Gross Tonnage 1557.26
Crew Space 121.37
above Crown of 4626.85
Engine Room 1557.26
Navigation Spaces 121.37

CLASS IDA1 SHELTER OK Feet.
Breadth (greatest moulded) 53.79
Depth, at middle of length from top of keel to top of
beams at side of uppermost Continuous Deck 35.25
Deduct height of 'tween deck when this does not exceed 8ft. 8.00
Transverse Number 81.04
Length on deck from fore part of stem to after part of
sternpost 405.00
Longitudinal Number 32821
Depth "d" at middle of length. See Secs. 2 & 13... 13.25
Proportions, Depths to Length, Uppermost Continuous
Deck at side to top of keel 11.49
" " Upper Deck at side
to top of keel 15.57

Master W. E. GRIFFITHS
Year of Appointment 1912
Built at Shebburn - n. - Elyas
When built 1912 Launched 25th Sept. 1912
By whom built Palmer's P. B. Co.
Owners The British African Steam Navigation Co. Ltd.
Managers London & Lancashire
(Where necessary to be entered in Reg. Book.)
Residence Shebburn - n. - Elyas
Port belonging to Shebburn - n. - Elyas

Register Tonnage 2964.89
cut on Beam...

Destined Voyage West Africa If Surveyed while Building, Afloat, or in Dry Dock Special

LENGTH on Deck as per Rule 405 Ft. 0 Ins. BREADTH Moulded 53 Ft. 9 1/2 Ins. DEPTH, ACTUAL - Top of Floors to top of Awn. or Shelter Dk. Beams 32 Ft. 10 1/2 Ins. No. of Decks with flat laid 3
Do. do. Upper Deck Beams 23 Ft. 7 1/2 Ins. No. of Tiers of Beams 3

Dimensions of Ship per Register, Length 405.1 breadth 54.15 depth 23.55 Upper Deck. Moulded depth, ft. 35 ins. 3 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 12 1/2 ins.

FRAMING.				PILLARS.			
NAME, Angles, or Bars, amidships	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	PILLARS, In 'tween Deck, size and spacing	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.
Do. in peaks	7 3/4	3 1/2	52	" " Hold	7 3/4	3 1/2	44
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40.38	" Quarter, 'tween Dks.,	3 1/2	3 1/2	40.38
" " at intermdt. Bkts.	25 1/2		25 1/2	" " in Hold			
acing of Frames from centre to centre amidships	25 1/2		25 1/2	KEELSONS AND STRINGERS.			
" length to collision bulkhead	24		24	CENTRE LINE KEELS IN Vertical Plate above floors, Through Plate, or Intercostal Plate			
" of Frames from centre to centre in peaks	3 1/2	3 1/2	40.38	" Rider Plate			
VERSED FRAME, Angles	3 1/2	3 1/2	40.38	" Flat Keel Plate Angles			
Do. in way of Double bottoms at Solid Floors	7		7	" Horizontal Plates on Floors			
" " at intermdt. Bkts.				" Angles or Bulb Angles			
AMING, depth of girder				SIDE KEELSONS, Number			
DOORS, 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			
DOORS, in Cell Double Bottoms	40.36		40.36	" Intercostal Plate, for length			
" state if flanged (top and bottom)	Not flanged			" Attached to outside plating with Angle			
" spacing of Solid	25 1/2		25 1/2	SIDE STRINGERS, Number			
TRE GIRDER, in Dbl. bottom, dpth. & thickness	41	50.40	41	" Angle	6 1/2	3 1/2	60
" " Angles, Top	4 1/2	4 1/2	60.54	" " Intercostal Plate, for full lng.	44		44
" " " Bottom	4 1/2	4 1/2	60.54	" Attached to outside plating with Angle	3 1/2	3 1/2	44
" " " to Floors	5	5	58	Awning or Shelter Deck Stringer Plates, breadth and thickness			
" Brackets at intermdt. frmg. wdth & thkness				" Angle on ditto	5.5	60	5.5
E GIRDERS, number and thickness	40.36		40.36	" Tie Plates, fore and aft, outside Hatchways			
" state if flanged (top & bottom)	Not flanged			" Deck * Iron or Steel, for full lng.	40.34		40.34
Angles	3	3	40.38	" Wood Deck, Material & thickness	5 x 3 1/2		5 x 3 1/2
GIN PLATE, depth (exclusive of flange) and thickness	37	48	37	Upper Deck Stringer Plate, breadth and thickness	4.7.35	48.44	4.7.35
Angles to outside plating	4	4	48	" Angles on ditto, No. 2	3 1/2	3 1/2	48.44
" to floors	5	3 1/2	40	" Tie Plates, outside Hatchways			
Brackets at intermdt. frmg. wdth & thkness				" Deck * Iron or Steel, for full lng.	36.30		36.30
Height of Brackets above at bilge	28		28	" Wood Deck, Material & thickness			
R BOTTOM PLATING, breadth and thickness of Middle Line Strake	43	50.40	43	Second Deck Stringer Plates, br'dth & thckn's	4.7.35	44.30	4.7.35
" thickness in Engine and Boiler space	60.68		48.56	" Angles on ditto, No. 2	3 1/2	3 1/2	48.44
" Remainder in Holds	40.36		40.36	" Tie Plates, outside Hatchways			
IS, Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	7.3.3	38	7.3.3	" Deck * Material and thickness	Steel		34.30
Spacing	25 1/2		25 1/2	Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness			
IS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	7.3.3	42	7.3.3	" Angles on ditto, No.			
Spacing	25 1/2		25 1/2	" Tie Plates, outside Hatchways			
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	7.3 1/2	3 1/2	44	" Deck, Material and thickness			
Angles on upper edge				Poop Deck Stringer Plate, breadth & thickness	35	34	35
Spacing	25 1/2		25 1/2	" Angles on ditto	3 1/2	3 1/2	34
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	6 1/2	3	40	" Tie Plates	5 x 3 P.P.		5 x 3 P.P.
Angles on upper edge				" Deck, Material and thickness	STEEL		26
Spacing	25 1/2		25 1/2	Bridge Deck Stringer Plate, br'dth & thickness	39	40	39
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/2	3	42	" Angle on ditto	3 1/2	3 1/2	40
Angles on upper edge				" Tie Plates	4 x 2 1/2 TEAK		4 x 2 1/2 TEAK
Spacing	25 1/2		25 1/2	" Deck, Material and thickness	STEEL		28
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	7 1/2	3	42	Forecastle Deck Stringer Plate, br'dth & th'kns	35	34	35
Angles on upper edge				" Angles on ditto	3 1/2	3 1/2	34
Spacing	25 1/2		25 1/2	" Tie Plates	5 x 3 P.P.		5 x 3 P.P.
				" Deck, Material and thickness	STEEL		26

WEB FRAMES.

Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Ap- proved.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing			
breadth & thickness			
No. of Side Stringers			
WEB-FRAMES, In E. & B. Space, No. & spacing			
breadth & thickness			
WEB-FRAMES, In After Body, No. and spacing			
breadth & thickness			
No. of Side Stringers			
Size of Face Angles to Web Frames			
BRACKET PLATES to Stringers between			
Web Frames, depth and thickness			

BULKHEADS.

Vessel.	Per Rule.	Thickness. Inches.	STIFFENERS.				Single or Double Frames.	Height up state deck.
			Horizontal.		Vertical.			
			Size. Inches.	Spacing. Inches.	Size. Inches.	Spacing. Inches.		
W.T.BULKHEADS								
TO SHELTER DECK	3	34	34	30	8 1/2	30	Single	Upward
TO UPPER DECK	4	34	34	30	8 3/4	30	"	"
		34	34	30	7 3/4	30	"	"
		34	34	30	7 3/4	30	"	"
		34	34	30	7 1/2	34 3/8	30	"
		34	34	30	8 1/2	34 3/8	30	"
		38	38	30	11 3/4	60	24	"
COLLISION PARTITION LONGITUDINAL								

Are the outside Plates doubled two spaces of Frames in length? *15' ca. mid of ship.*

Are the Stairs Valves and Watertight Doors in efficient working order? *Yes*

FORGINGS or CASTINGS.

Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness	<i>Flat Plate</i>
STEM, moulding and thickness	<i>10 1/2 x 2 3/4</i>
STERN-POST for Rudder do. do.	<i>10 1/2 x 7 1/2</i>
for Propeller	<i>11 1/2 x 7 1/2</i>
RUDDER-AxD* Table 22. Speed <i>11 knots</i> .	<i>638</i>
Main-Piece, diameter at head	<i>11 1/2"</i>
at heel	<i>8 1/2"</i>

RUDDER, how constructed *Single Plate - Toprip.*

Thickness of Plates or Single Plate *1 1/2"*

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.? *(Open hearth)*
Palmers South Durham, Carrsett, Spencers, Polkown Weymouth

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

PLATING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		RIVETING.										
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		EDGES, Ordinary or jogged?		BUTTS.		STRAPS.		IF LAPPED.		
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.	Breadth. Inches.	Thickness. Inches.	Single or Double.	Breadth of Lap. Inches.	Diam. Inches.	Spacing or to cr. Inches.	Double or Treble and for what Length.	Diam. Inches.	Spacing or to cr. Inches.	Breadth. Inches.	Thickness. Inches.	Breadth. Inches.	For what Length. Feet.
FLAT PLATE KEEL..... (If Bar Keel, state Riveting.)	<i>47</i>	<i>70</i>	<i>70</i>	<i>70</i>	<i>47</i>	<i>70</i>	<i>Double</i>	<i>6</i>	<i>1</i>	<i>3 9/16</i>	<i>Treble</i>	<i>1</i>	<i>3 1/2</i>	<i>19</i>	<i>70</i>	<i>12</i>	<i>See</i>
GARBOARD OR A Strake		<i>60</i>	<i>52</i>	<i>50</i>		<i>60</i>	<i>48</i>	<i>"</i>	<i>5 1/4</i>	<i>7/8</i>	<i>3/8</i>	<i>Squad</i>	<i>7/8</i>				
State actual thickness in way of Double Bottom.		<i>60</i>	<i>48</i>	<i>48</i>		<i>60</i>	<i>48</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>				
B "		<i>60</i>	<i>48</i>	<i>48</i>		<i>60</i>	<i>48</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>				
C "		<i>64</i>	<i>48</i>	<i>48</i>		<i>64</i>	<i>48</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>				
D "		<i>64</i>	<i>48</i>	<i>48</i>		<i>64</i>	<i>48</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>				
E "		<i>64</i>	<i>44</i>	<i>46</i>		<i>64</i>	<i>44</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>				
F "		<i>64</i>	<i>44</i>	<i>44</i>		<i>64</i>	<i>44</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>				
G "		<i>64</i>	<i>44</i>	<i>44</i>		<i>64</i>	<i>44</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>				
H "		<i>62</i>	<i>44</i>	<i>44</i>		<i>62</i>	<i>44</i>	<i>"</i>	<i>6</i>	<i>1</i>	<i>3 9/16</i>	<i>Treble</i>	<i>3/8</i>			<i>9</i>	
J "		<i>66</i>	<i>44</i>	<i>44</i>		<i>66</i>	<i></i>										

EQUIPMENT No. 36971 LETTER Z. 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.			
11272	1st Bower	64	2	24	64	2	24	50	17	2	0	63	3	0	Britannic	R. S. S. S. S.	Radcliffe Heath 9/4/11
37771	2nd "	62	2	21	62	2	21	49	17	2	0	63	3	0	"	"	Septon 5/7/11
38686	3rd "	55	1	0	55	1	0	45	10	2	14	54	2	0	"	"	25/1/12
	Collective weight	182	2	17	182	2	17					182	0	0			
39020	Stream	17	2	18	17	2	18	18	14	1	14	17	2	0	Ordinary	S. S. S. S. S.	Septon 29/4/12
39038	Kedge	7	2	0	7	2	0	9	13	3	0	7	2	0	"	"	29/4/12

U Patent Office Name of Patentee.

Stockless, the Mechanical Tests.

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.	Cir.	Length.	Cir.
	Fathoms.	Ins.		Tons.	qrs.						Fathoms.	Ins.		Fathoms.	Ins.				
50056	135	2 1/4	9 1/8	12 1/2	34	0-26	Steel	W. H. H. H. H.	W. H. H. H. H.	Towline	120	5	59	120	5				
50059	135	2 1/4	9 1/8	12 1/2	34	0-26	Steel	W. H. H. H. H.	W. H. H. H. H.	Hawsers & Warps	90	3 1/2	26						
	270	2 1/4	1	682	1-22	682	270	2 1/4	Septon 29/4/12	"	3/90	2 1/2	12 1/2	2/90	8				
	90	4 3/4	47				90	4 3/4	Septon 29/4/12	"	2/90	8	W. H. H. H. H.	2/90	7				

Boats 10 Boats
Pumps, Number 12 hand pumps
Findlass is 1 Wilson & Co. patent steam direct acting
Engine Room Skylights. How constructed? Steel plates & angles
Coal Bunker Openings. How constructed? Cranked hatchways
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 scuppers & 10 freeing ports each side
Ceiling in Holds, thickness and material 2 1/2" W.P. neg. liners
Cargo Hatchways. How formed? Coaming plates & angles
State size No. 1 Hatch (Forward) 25'6" x 14'3" No. 2 Hatch 25'6" x 16'0" No. 3 Hatch 22'6" x 16'0" No. 4 Hatch 25'6" x 16'0"
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 2 webs & 38 T's in No. 1, 2, 4 & 5
Bulwarks, height above deck and description 1 web & 38 T's & also bulkheads in No. 3 - No. 4 after
The foregoing is a correct description.
Builder's Signature (here only) H. Swaddell
Surveyor's Signature M. S. S. S. S.
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)
13/4/11 - 13/4/11 - 5/5/11 - 4/5/11 - 10/5/11 - 22/5/11 - 24/5/11 - 29/6/11 - 26/7/11 - 1/8/11 - 4/8/11 - 15/8/11 - 16/8/11 - 13/9/11

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.
to plate, &c., conform well to each other? Yes.
from the faying surfaces? Yes.
Do the holes for riveting plate to frames, butt straps, or plate
Are the rivet holes well and sufficiently countersunk in the plate and punched
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 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 forwarded herewith, the Secretary's letters & in general conformity with the Rules for the 10A. Shelter deck class.
The workmanship & material are of good quality.
The freeboards assigned by the Committee have been marked on the vessel's sides & verified.

The Surveyor should state the Number of Report and Name of any Sister Vessel.
The amount of Entry Fee £ 5 : 0 : 0
Special Survey Fee £ 140 : 13 : 6
Travelling Expenses, if any £ : :
Fees applied for, DEC 31 1912
Received by me, 14.1.1913
Certificate to be sent to NEWCASTLE ON TYNE.
Date of issue 15.1.13

State whether the Vessel has been built under Special Survey
I am of opinion this Vessel should be Classed + 10A.1 SHELTER DK.
With, or without Freeboard, as condition of Class with.

Committee's Minute
Character assigned 10A.1
Shelter deck class
Lloyd's 12.12
+ L. 12.12
W.D.

The Surveyors are requested not to write on or below the Committee's Minute.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 31 ft., R.O.D. ft., Bridge 78 ft., Forecastle (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. The Poop & Bridge are separate

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 should appear in the Register Book) 2 Dks (etc) & Shutter Dk (etc) w.s.

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

Where Fitted.	*Length. Feet.	Water Capacity, Tons.	Where Fitted.	*Length. Feet.
Double bottom, aft,	<u>125</u>	<u>366</u>	Fore peak tank,	
Double bottom, under Engines and Boilers,			After peak tank,	
Double bottom, if under Engines only,	<u>27'6"</u>	<u>108</u>	Deep tank, aft,	
Double bottom, if under Boilers only,			Deep tank, forward,	
Double bottom, forward,	<u>172'0"</u>	<u>542</u>	Other tanks, if fitted,	
	Total capacity of double bottom	<u>1076</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.

Order for Special Survey No. 4274

Date 13.6.1911

No. 821 in builder's yard.

DATES OF SURVEYS held while building

1911
Aug. 28. Sep. 18. 22. Oct. 5. Nov. 7. 16. 22. 23. 29. Dec. 6. 14. 21. 28.
Feb. 6. 13. 25. Mar. 4. 12. 18. 22. 25. 29. Apr. 1. 12. 15. 19. 25. May. 2. 6. 13. 22. 29. 30. 31.
Jul. 8. 11. 17. 20. 26. 29. Aug. 7. 8. 15. 21. 22. 28. Sep. 4. 16. 17. 25. Oct. 11. 22. 25. 29. Nov. 19. 27. 28. Dec. 5. 9. 10. 16. 17. 20.
1912
Jan. 4. 8. 10. 12. 17. 19.

Surveyor's Signature

Register Foundation