

Spar, or Awning Dk.

IRON OR STEEL STEAMER.

No. 20006

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

Port of *Glasgow* Date of completion of Report *28 June* Received at London Office *THUR. 3 JUL 1902*

Survey held at *Glasgow* Date, First Survey *9th April 1902* Last Survey *21 June 1902*

On the *Sheet Spar Dr Steamship* "TARQUAH" Rig *Schooner*

TONNAGE under 2831.48
Tonnage Deck...
Do. between Tonnage Dk. and 3rd. 4th. Spar or Awning Dk.
Total under Upper Dk.
Do. of Poop 704.49
Do. of Bridge House 57.48
Do. of Forecasts 255.42
Do. of Houses on Deck 6.88
Do. of excess of Hatchways
Do. above Crown of Engine Room...
Gross Tonnage 3858.75
Less Crew Space 151.30
Tonnage for Fees... 3707.45
Engine Room 1234.8
Navigation Spaces 32.13

SPAR, AWNING OR PART AWNING-DECKED VESSEL,

or a Vessel having a continuous Shade Deck.

CLASS 100A Steel Spar Dr

FEET.

Half Breadth (moulded) 22.0
Depth from upper part of keel to top of Main Deck Beams 19.45
Girth of Half Midship Frame (as per Rule) 37.5
1st Number 78.95
Length 358.2
2nd Number 28279.89
Proportions—Breadths to Length 8.14
Depths to Length—Main Deck to top of Keel 13.31

Master Charles Harvey

Year of Appointment 1882

Built at Glasgow

When built 1901-2 Launched 23 April 1902

By whom built A. Stephen & Sons Limited

Owners African Steam Ship Co.

Managers Elder Dempster & Co.

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

Residence Liverpool

Port belonging to Liverpool

Master Tonnage 2440.52
cut on Beam...

Destined Voyage Southampton Surveyed while Building, Afloat, in Dry Dock

LENGTH on Deck Feet. Inches. BREADTH—Feet. Inches. DEPTH, top of Floors to Spar or Awning Dk. Beams Feet. Inches. Power of Horse. No. of Decks with flat laid 2
per Rule 358 2 1/2 Moulded 44 0 Do. do. Main Deck Beams 14 4 Engines 575 No. of Tiers of Beams 2

Moulded depth, ft. 16 ins. 9 1/2 To Main Dk. Round up of 11 ins.
Main Deck.

Dimensions of Ship per Register, Length 360.4 breadth 44.2 depth 23.3 Spar or Awning Dk.

FRAMING.				FORGINGS AND CASTINGS.			
Inches in Ship.	Inches in Ship.	16ths or 20ths per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	Inches in Ship.	16ths or 20ths per Rule Or as Approved.	Inches in Ship.
1. E, Angles, or L or Bars, for length amidships	6 3/4	8	6 3/4	8	KEEL, Bar or Side Plates, depth and thickness	10 1/2 x 2 7/8	10 1/2 x 2 7/8
2. for 1/2 at each end	6 3/4	7	6 3/4	7	STEM, moulding and thickness	11 x 6	11 x 6
3. in way of Double Bottoms at Solid Floors	6 3/4	8	6 3/4	8	STERN-POST for Rudder do. do.	11 x 6	11 x 6
4. at intermediate Plats.	6 3/4	8	6 3/4	8	" for Propeller	11 x 6	11 x 6
5. " of Frames from moulding edge to building edge, all fore and aft	5 1/2	8 1/2	5 1/2	8 1/2	MAIN PIECE of Rudder, diameter at head		
6. REVERSED FRAME, Angles	4 3/4	8	4 3/4	8	do. at heel		
7. UP FRAMING, depth of girder	8 1/2		8 1/2		RUDDER, how constructed	Built frame of forged steel, iron, single plate	22 3/4 thick
8. GIRDERS, depth and thickness of Floor Plate at mid line for length amidships					Can the Rudder be unshipped afloat?	Yes	
9. in way of Engines and Boilers					KEELSONS AND STRINGERS.		
10. thickness at the ends of vessel					CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		
11. depth at 1/2 the half breadth as per Rule					" Rider Plate		
12. height extended at the Bilges					" Bulb Plate to Intercoastal Keelson		
13. GIRDERS & BRACKETS, in Cell Double Bottoms					" Horizontal Plates on Floors		
14. Distance apart					" Angles		
15. FIRE GIRDER, in Double bottom, depth and thickness					SIDE KEELSON, Angles		
16. " Angles, Top					" Bulb or Plate above floors, for length		
17. " Bottom					" Intercoastal Plate, for length		
18. GIRDERS, number and thickness					" Attached to outside plating with Angle		
19. Angles					BILGE KEELSON, Angles		
20. GIN PLATE, depth (exclusive of flange) and thickness					" Bulb or Plate above floors, for length		
21. Angles					" Intercoastal Plate, for length		
22. LOWER BOTTOM PLATING, breadth and thickness of Middle Line Strake					" Attached to outside plating with Angle		
23. " thickness in Engine and Boiler space					BILGE STRINGER Angles		
24. Remainder in Holds					" Bulb Plate, for length		
25. MS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb					" Intercoastal Plate, for length		
26. Angles on upper edge					" Attached to outside plating with Angle		
27. Average space					SIDE STRINGER Angles		
28. MS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb					" Bulb or Intercoastal Plate, for length		
29. Angles on upper edge					" Attached to outside plating with Angle		
30. Average space					Spar, or Awning Deck Stringer Plates, breadth and thickness		
31. MS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb					" Angle on ditto		
32. Angles on upper edge					" Tie Plates, fore and aft, outside Hatchways		
33. Average space					" Diagonal Tie Plates, No. of pairs		
34. MS, Hold, or Orlop, Plate or Tee Bulb					" Deck, * Iron or Steel, for length		
35. Angles on upper edge					" Wood Deck, Material & thickness		
36. Average space					Main Deck Stringer Plate, breadth & thickness		
37. MS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb					" Angles on ditto, No.		
38. Angles on upper edge					" Tie Plates, outside Hatchways		
39. Average space					" Deck, Material and thickness		
40. MS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb					Hold, or Orlop Stringer Plate, breadth & thickness		
41. Angles on upper edge					" Angles on ditto, No.		
42. Average space					" Tie Plates, outside Hatchways		
43. MS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb					" Deck, Material and thickness		
44. Angles on upper edge					Poop Deck Stringer Plate, breadth & thickness		
45. Average space					" Angles on ditto		
46. LARS, In tween Deck, size and spacing					" Tie Plates		
47. " Hold					" Deck, Material and thickness		
48. " Quarter, tween Dks., " "					Bridge Deck Stringer Plate, breadth & thickness		
49. " in Hold					" Angle on ditto		
50. WEB FRAMES, In Fore Body, No. and spacing					" Tie Plates		
51. " breadth & thickness					" Deck, Material and thickness		
52. " No. of Side Stringers					Forecastle Deck Stringer Plate, breadth & thickness		
53. WEB FRAMES, In E. & B. Space, No. & spacing					" Angles on ditto		
54. " breadth & thickness					" Tie Plates		
55. " No. of Side Stringers					" Deck, Material and thickness		
56. " Size of Angles or Tee Bars to Web Frames					Are the outside Plates doubled two spaces of Frames in length?		
57. BRACKET PLATES to Stringers between Web Frames, depth and thickness							

REP No 20006.

THUR. 3 JUL 1902

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		BUTTS.		BUTTS.		BUTTS.		BUTTS.				
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Rivets.	Double or Treble and for what Length.	Diam.	Rivets.	Straps.	If Lapped.	For what Length.			
																	Inches.	Inches.	Inches.
FLAT PLATE KEEL	36	19	12	12	36	19	Full	6	1	4	treble	1	3E	19	4 1/2	5 1/2	full		
GARBOARD OF A Strake	53	13	11	11	53	13	Full	5 1/2	7/8	3 3/4	treble	7/8	3/8	18 1/4	1 1/2	—	full		
B "	11	10	10	10	11	10	Full	5 1/2	7/8	3 3/4	treble	7/8	3/8	—	—	9	full		
C "	10	9	10	10	10	9	Full	5 1/2	7/8	3 3/4	treble	7/8	3/8	—	—	9	full		
D "	11	9	10	10	11	9	Full	5 1/2	7/8	3 3/4	treble	7/8	3/8	—	—	9	full		
E "	12	10	10	10	12	10	Full	5 1/2	7/8	3 3/4	treble	7/8	3/8	—	—	9	full		
F "	12	10	10	10	12	10	Full	5 1/2	7/8	3 3/4	treble	7/8	3/8	—	—	9	full		
G "	12	9	10	10	12	9	Full	5 1/2	7/8	3 3/4	treble	7/8	3/8	—	—	9 1/2	full		
H "	11	9	10	10	11	9	Full	5 1/2	7/8	3 3/4	treble	7/8	3/8	—	—	9	full		
J "	11	9	10	10	11	9	Full	5 1/2	7/8	3 3/4	treble	7/8	3/8	—	—	9 1/2	full		
K "	48	13	10	10	48	13	Full	6	1	4	treble	7/8	3/8	—	—	12	full		
L "	46	15	10	10	46	15	Full	5	1	4	treble	7/8	3/8	—	—	14	full		
M "																			
N "																			
O "																			
P "																			
Q "																			
DOUBLING of Flat Plate Keel	Keel plates & garboard increased in thickness in line of doubling																		
Length and thickness of Bilge Strakes	Like break of poop on fore plan																		
Length and thickness of Strake below																			
POOP SIDES	11 1/2	9	10	10	11 1/2	9	Single	3	7/8	3 3/4	treble	7/8	3/8	3 1/2	—	—	9 1/2	full	
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. *Clydebridge, Lanark, Glasgow, Hamilton, Paisley, &c.*

Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? *Double riveted*

Inner Bottom Plating, riveting of Edges. *Double riveted*

Centre Girder Butts, riveted. *Keelson Butts, treble riveted*

Frames, riveted through Plates with *7/8* in. Rivets, about *8 1/4* apart.

Rivets, state whether Iron or Steel *Iron*

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) 1901:—Feb 8 (M) 9 (M), 9 (M), 12 (M), 26 (M), 26 (M), March 18 (M), May 6 (M), July 13 (E), Aug 20 (M), 1902:—June 20 (M).

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

Are the rivets 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 only*

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

General Remarks (State quality of workmanship, &c.) *The workmanship is good and the vessel has been built in accordance with the approved plans, the Secretary's letters and in generally conformity with the Rules for the class contemplated. The weather decks and tunnel have been tested with water from a hose and found tight. The fore and after peaks have been filled with water to heights of load line and bulkheads of same found tight.*

This is a sister vessel to the S/s "Barratta" Glasgow Report No. 19959.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop and Bridge Dk. 242 ft., F'castle 47 1/2 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Poop and Bridge House combined*

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 W.S.) and Spar dk (Steel W.S.) & deck plating*

Official No. *115293*; Signal Letters

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 *Yes*

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft.	70	169	Fore peak tank,		69
Double bottom, forward.	170	392	After peak tank,		
Double bottom, under Engines and Boilers.	44	135	Midship peak tank,		
Double bottom, if under Engines only.			Other tanks, if fitted,		
Double bottom, if under Boilers only.		606	(If necessary, furnish further information by sketch.)		See accompanying plans

State whether the above have been tested as required by the Rules. *Yes*

Order for Special Survey No. 3458

Date 6/3/01

Order for Ordinary Survey No.

Date

No. 395 in builder's yard.

1st. On the several parts of the frame, when in place, and before the plating was wrought

2nd. On the plating during the process of riveting

3rd. When the beams were in and fastened, and before the decks were laid

4th. When the ship was complete, and before the plating was finally coated or cemented

5th. After the ship was launched and equipped

Total No. of Visits 82

The amount of Entry Fee.....£ 5

Special Survey Fee£ 117.13.6

Travelling Expenses, if any £

Fees applied for, 29/6/1902

Received by me, 29/6/1902

Certificate to be sent to Glasgow

am of opinion this Vessel should be Classed 100A (Steel) Spar dk.

without Freeboard, as condition of Class

Committee's Minute

Character assigned + 100A (Steel) "Spar dk" Lloyd's & C.P.

2-JUL-1902

Thomas Warren & Co. Chartered Surveyors

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

Boats Four life boats and one other

Pumps, Number 8 to hold, 1 to Engine room 1 to hold of F.P.T. Diameter of Barrel and Tail Pipe 6", 6" x 3", 3" 3", 1 1/2"

Windlass is of Iron, Emerson Walker & Thompson's Patent Capstan & Four steam winches forward

Engine Room Skylights.—How constructed? Steel on steel casings 16" above bridge deck.

What arrangements for deadlights in bad weather? Thick glass with eyes in hinged steel lids.

Coal Bunker Openings.—How constructed? Trunks like hatches. How are lids secured? Strong latches. Height above deck? 1" each side

Number of Scuppers, and number and dimensions of Freeing Ports, &c. Four ports (3-48" x 15" 4-36" x 18") & 3 scuppers in well on

Ceiling in Holds, thickness and material 2 1/2" P. Painted hatchways, 1 1/2" Ceiling 'tween Decks, thickness and material 6 x 2 1/2" lathens

Cargo Hatchways.—How formed? Plate casings and angles.

Hatches, If strong and efficient? Yes

State size No. 1 Hatch (Forward) 16' x 14' x 26" No. 2 Hatch 24' x 14' x 26" No. 3 Hatch 16' x 14' x 24" No. 4 Hatch 14' x 14' x 24"

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch One deck web plate in No. 1, 3 1/4, two in No. 2;

These iron fore and afters in each

No. of Breasthooks No. of Crutches

Bulwarks, height above deck and description 60" 6 1/2" steel Main Rail material and size 4" x 3 1/2"

The above is a correct description. Alex. Stephenson, R.P.

Builder's Signature (here only) Alex. Scott

Surveyor's Signature Thomas Warren & Co. Chartered Surveyors

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