

Spar, or Awning Dk.

IRON OR STEEL STEAMER.

No. 25226

THUR. 9 MAY 1907

Port of Glasgow

Date of completion of Report 4th May 1907

Received at London Office

Survey held at Glasgow

Date, First Survey 8th June 06

Last Survey 3rd May 1907

On the

Steel Screw Steamer "KAZEMBE"

Rig Schooner 2 masts

TONNAGE under Tonnage Deck 4347.02

Do. between Tonnage Dk. and 3rd, 4th, 5th or Awning Dk.

Total under Upper Dk.

Do. of Bridge House 113.72

Do. of Forecastle 9.34

Do. of Houses on Deck 115.26

Do. of excess of Hatchways 49.47

Do. above Crown of Engine Room 23.04

Gross Tonnage 4657.85

Less Crew Space 169.18

Less above Crown of Engine Room 23.04

TONNAGE FOR FEES 4465.63

Less Engine Room 1490.51

Less Navigation Spaces 63.63

Register Tonnage as cut on Beam 2934.53

SPAR, AWNING OR PART AWNING-DECKED VESSEL, or a Vessel having a continuous Shade Deck.

CLASS 100A1 Spar Dk

Half Breadth (moulded) 24.87

Depth from upper part of keel to top of Main Deck Beams 22.87 (with the normal round up of beam 8 1/4 below floor)

Girth of Half Midship Frame (as per Rule) 44.70

1st Number 92.44

Length on deck from after part of stem to fore part of stern post 398.08

2nd Number 367.96

Proportions—Breadths to Length 8.0

Depths to Length—Main Deck to top of Keel 17.4

Master J. W. Anderson

Year of Appointment (1) As Master in service of owner of present vessel:—1907 (2) As Master of this vessel:—1907

Built at Glasgow

When built 1907 Launched 10th April 1907

By whom built Messrs A. Stephen & Son Ltd

Owners Bucknall Steamships Ltd

Managers

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

Residence London

Port belonging to London

Destined Voyage New York

If Surveyed while Building, Afloat, or in Dry Dock Yes

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL	Ft.	Ins.	Top of Floors to top of Spar	Ft.	Ins.	Power of Engines	Horse.	No. of Decks with flat laid	No. of Tiers of Beams
398	1		49	9		27	1		17	8 1/2				2	Supplementary

Dimensions of Ship per Register, Length 400.3 breadth 50 depth 27.1 Spar or Awning Dk. Moulded depth, ft. 20 ins. 5 To Main Dk. Round up of Main Dk. Beam, Actual 12 1/2 ins. 17.7 Main Deck. 29 10 Spar.

FRAMING.				FORGINGS AND CASTINGS.				Inches in Ship.		Inches per Rule. Or as Approved.	
Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.
FRAME, Angles, or L or E Bars, for 1/2 length amidships				KEEL, Bar or Side Plates, depth and thickness				Flat Plate Keel			
6 1/2	3 1/2	9	6 1/2 3 1/2 9	STEM, moulding and thickness				11 x 3		11 x 3	
Do. for 1/2 at each end				STERN-POST for Rudder do. do.				11 x 7		11 x 7	
Do. in way of Double Bottoms at Solid Floors				MAIN PIECE of Rudder, diameter at head				10		10	
at intermdt. Bkts.				do. at heel				7 1/2		7 1/2	
Spacing of Frames from centre to centre				RUDDER, how constructed				Forged Iron Built Frame by a			
REVERSED FRAME, Angles				Can the Rudder be unshipped afloat?				Plat 22			
DEEP FRAMING, depth of girder											
FLOORS, depth and thickness of Floor Plate											
at mid-line for 1/2 length amidships											
in way of Engines and Boilers											
thickness at the ends of vessel											
depth at 1/2 the half-bdth. as per Rule											
height extended at the Bilges											
FLOORS & BRACKETS, in Cell Dble Bottoms											
state if flanged (top & bottom)											
spacing											
CENTRE GIRDER, in Double bottom, depth											
and thickness											
Angles, Top											
Bottom											
SIDE GIRDERS, number and thickness											
state if flanged (top & bottom)											
Angles											
MARGIN PLATE, depth (exclusive of flange)											
and thickness											
Angles to outside plating											
to floors											
Height of floors at the Bilges											
INNER BOTTOM PLATING, breadth and											
thickness of Middle Line Strake											
thickness in Engine and Boiler space											
Remainder in Holds											
BEAMS, Spar or Awning Deck, Single Angle											
Bulb Angle, Plate or Tee Bulb											
Angles on upper edge											
Spacing											
BEAMS, Main Deck, Single Angle, Bulb											
Angle, Plate or Tee Bulb											
Angles on upper edge											
Spacing											
BEAMS, Lower Deck, Single Angle, Bulb											
Angle, Plate or Tee Bulb											
Angles on upper edge											
Spacing											
BEAMS, Hold, or Orlop, Plate or Tee Bulb											
Angles on upper edge											
Spacing											
BEAMS, Poop Deck, Angle, Bulb Angle, Plate											
or Tee Bulb											
Angles on upper edge											
Spacing											
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate											
or Tee Bulb											
Angles on upper edge											
Spacing											
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb											
Angles on upper edge											
Spacing											
PILLARS, In tween Deck, size and spacing											
Hold											
Quarter, tween Dks.,											
in Hold											
WEB-FRAMES, In Fore Body, No. and spacing											
brdth. & thickness											
No. of Side Stringers											
WEB FRAMES, In E. & B. Space, No. & spacing											
brdth. & thickness											
WEB FRAMES, In After Body, No. and spacing											
brdth. & thickness											
No. of Side Stringers											
Size of Angles or Tee Bars to Web Frames											
BRACKET PLATES to Stringers between											
Web Frames, depth and thickness											

FORGINGS AND CASTINGS.				Inches in Ship.		Inches per Rule. Or as Approved.							
Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.						
KEEL, Bar or Side Plates, depth and thickness				Flat Plate Keel									
STEM, moulding and thickness				11 x 3									
STERN-POST for Rudder do. do.				11 x 7									
" for Propeller				10									
MAIN PIECE of Rudder, diameter at head				10									
do. at heel				7 1/2									
RUDDER, how constructed				Forged Iron Built Frame by a									
Can the Rudder be unshipped afloat?				Plat 22									
KEELSONS AND STRINGERS.				Inches in Ship.		Inches per Rule. Or as Approved.							
Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.						
CENTRE LINE KEELSON, Vertical Plate above													
floors, Through Plate, or Intercoastal Plate													
Rider Plate													
Bulb Plate to Intercoastal Keelson													
Horizontal Plates on Floors													
Angles													
SIDE KEELSON, Angles													
Bulb or Plate above floors, for				lng.									
Intercoastal Plate, for				length									
Attached to outside plating with Angle													
BILGE KEELSON, Angles													
Bulb or Plate above floors, for				lng.									
Intercoastal Plate, for				length									
Attached to outside plating with Angle													
BILGE STRINGER Angles													
Bulb Plate, for				length									
Intercoastal Plate, for				length									
Attached to outside plating with Angle													
2 SIDE STRINGERS Angles													
Bulb or Intercoastal Plate, for				lng.									
Attached to outside plating with Angle													
Spar, or Awning Deck Stringer Plates,													
breadth and thickness				57 11 57 11									
Angles on ditto				4 1/2 x 4 1/2 11 4 1/2 x 4 1/2 11									
Tie Plates, fore and aft, outside Hatchways				4 x 4 9 4 x 4 9									
Diagonal Tie Plates, No. of prs.				57 plates increased in thickness in way of hatchways									
Deck, * Iron or Steel, for				full lng. 8-7 8-7									
Wood Deck, Material & thickness													
Main Deck Stringer Plate, breadth & thickness													
Angles on ditto, No.				57 11 57 11									
Tie Plates, outside Hatchways				4 x 4 9 4 x 4 9									
Diagonal Tie Plates, No. of prs.				57 plates increased in thickness in way of hatchways									
Deck, * Iron or Steel, for				full lng. 8-7 8-7									
Wood Deck, Material & thickness													
Lower Deck Stringer Plates, br'dth & thckn's													
Angles on ditto, No.													
Tie Plates, outside Hatchways													
Deck, * Material and thickness													
Hold, or Orlop Stringer Plate, br'dth & thckn's													
Angles on ditto, No.													
Tie Plates, outside Hatchways													
Deck, Material and thickness													
Poop Deck Stringer Plate, breadth & thickness													
Angles on ditto				36 8 36 8									
Tie Plates				4 x 4 8 4 x 4 8									
Deck, Material and thickness				3 7 7									
Bridge Deck Stringer Plate, br'dth & thickness													
Angle on ditto				42 11 42 11									
Tie Plates				5 x 5 11 5 x 5 11									
Deck, Material and thickness				8-7 8-7									
Forecastle Deck Stringer Plate, br'dth & th'kns													
Angle on ditto				36 8 36 8									
Tie Plates				4 x 4 8 4 x 4 8									
Deck, Material and thickness				7 7									
* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.													
BULKHEADS.				STIFFENERS.				Single or Double Frame.		Height up.			
In Vessel.	Per Rule.	Thickness.	Horizontal.	Vertical.	Size.	Spacing.	Size.	Spacing.	Inches.	Inches.	Inches.		
W. T. BULKHEADS													
PARTITION													
LONGITUDINAL,,													
Number.													
In Vessel.													
Per Rule.													
Thickness.													
Horizontal.													
Vertical.													
Size.													
Spacing.													
Inches.													
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STRAKES.	PLATING.				RIVETING.			
	AS IN SHIP.				PER RULE OR AS APPROVED.			
	AMIDSHIP.				AMIDSHIP.			
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Thickness.	Thickness.
FLAT PLATE KEEL	4.5	2.0	1.4	1.4	4.5	2.0	1.4	1.4
(If Bar Keel, state Riveting)	5.2	1.5	1.3	1.3	5.2	1.5	1.3	1.3
GARBOARD OR A STRAKE								
State actual thickness in way of Double Bottom.								
B	12	10	10	10	12	10	10	10
C	12	10	10	10	12	10	10	10
D	12	10	10	10	12	10	10	10
E	12	10	10	10	12	10	10	10
F	12	10	10	10	12	10	10	10
G	12	10	10	10	12	10	10	10
H	12	10	10	10	12	10	10	10
J	12	10	10	10	12	10	10	10
K	12	10	10	10	12	10	10	10
L	12	10	10	10	12	10	10	10
M	4.6	1.4	1.1	1.1	4.6	1.4	1.1	1.1
N								
O								
P								
Q								
R								
S								
DOUBLING OF FLAT PLATE KEEL								
Length and thickness of Bilges								
Length and thickness of Sheerstrakes								
Length and thickness of Strake below								
POOP SIDES	5.2	1.2		8	5.2	1.2		8
BRIDGE SIDES	5.2	1.4		8	5.2	1.4		8
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. *Open hearth process*

S. Colville, Borman, Hong, Palmers

Glasgow Harb. Steel Co., Cly. Bridge,

Steel Co. of Scotland, Bowland

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

FRAMES extend in one length from *middle line to tank side from tank side to SK*

REVERSED FRAMES on floors and frames extend from *middle line to tank side from tank side to SK*

state if ordinary or jogged? *jogged in SK*

state if ordinary or jogged? *"*

LOWER MASTS.	MASTS, SPARS, &c.			
	DIAMETER AND THICKNESS.			
	At Partners.			
	Heel.	Hounds.	Head.	No. of Plates in round.
Fore	51.5	20 x 7/16	18 x 7/16	16 x 7/16
Main	51.5	"	"	"
Mizen	"	"	"	"
Bowsprit				
Topmasts, Yards and Remainder of Spars				
Rigging, Material and Size, Shrouds				
Sails				

EQUIPMENT No. 47024 LETTER Z	ANCHORS.			
	WEIGHT, EX. STOCK			
	TEST, PER CERTIFICATE.			
	WEIGHT REG. BY TABLE 22.			
1st Bower	63	3	14	50
2nd "	63	3	14	50
3rd "	54	3	0	45
Collective weight	180	2	0	180
Stream	17	3	6	18
Kedge	7	2	21	9

CHAIN CABLES.	HAWERSERS AND WARPS.			
	Length and Size			
	Breaking Test of Steel Wire			
	FATHOMS AND SIZE			
2927	134	2 1/2	340	2 1/2
2928	134	2 1/2	340	2 1/2
3070	3 1/2	3 1/2	3 1/2	3 1/2
3071	3 1/2	3 1/2	3 1/2	3 1/2
3069	3 1/2	3 1/2	3 1/2	3 1/2
Stream	90	4 1/2	47	90

Boats *Two life boats & two others*

Pumps, Number *1* *Hand Pump* Diameter of Barrel *5" x 3 1/2"*

Windlass is *by Clarke Chapman*

Engine Room Skylights. - How constructed? *Steel on steel casings*

What arrangements for deadlights in bad weather? *Steel flaps with Bullseyes*

Coal Bunker Openings. - How constructed? *Plated & angled*

Number of Scuppers, and number and dimensions of Freecing Ports, &c. *2 scuppers at 42' fore, 2 freeports 39" x 20" at 42' fore*

Ceiling in Holds, thickness and material *2 1/2" iron plates at Cargo Batts, thickness and material 6 x 2 W.P.*

Cargo Hatchways. - How formed? *Plates and angles*

State size No. 1 Hatch (Forward) *24' x 16' 0"* No. 2 Hatch *28' x 16' 0"* No. 3 Hatch *16' x 16' 0"* No. 4 Hatch *28' x 16' 0"*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *Two web plates in Nos. 1, 2, 4 & 5, 1 web plate in No. 3 Hatch*

3 fore rollers in each Hatch

Bulwarks, height above deck and description *4-6" Steel Plate 6/20*

The above is a correct description. *Ally. Scott*

Builder's Signature (here only) *Ally. Scott*

Surveyor's Signature *J.D. Mares*

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

Correspondence. - State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

M 1/5/06 6/7/06

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?

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 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. 23, par. 24)? *yes*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *yes*

State results of tests *Satisfactory*

General Remarks (State quality of workmanship, &c.) *Workmanship good.*

This vessel has been built in accordance with the approved plans, the Secretary's letters of above date and in general conformity to the Rules for the Class contemplated.

6 Plans

4 Reports on ship forgings & castings

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

PARTICULARS FOR RECORD in the REGISTER BOOK. - Length of Poop *37* ft., R.Q.D. or Break *-* ft., Bridge Dk. *230* ft., F'castle *387 1/2* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

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 B/D (Std) and Deep Framing*

Official No. *-*; Signal Letters *-*

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 system			
	Where fitted.			
	*Length.	Water Capacity.	*Length.	Water Capacity.
Double bottom, aft.	120	305		
Double bottom, under Engines and Boilers.	46	171		
Double bottom, if under Engines only.				
Double bottom, if under Boilers only.				
Double bottom, forward.	180	516		
Total capacity	992			

* 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. *1119*

Date *9/6/06*

No. *421* in builder's yard.

Dates of Surveys held while building

1906 June 8, 12, 15, 20, 22, 28 July 4, 10, 11 Aug 2, 9, 17, 23, 30 Sep 5, 11, 17, 25, 28 Oct 8, 24 Nov 6, 21, 28, 30 Dec 10, 18, 21, 27, 1907 Jan 9, 15, 17, 21, 22, 29 Feb 5, 8, 12, 15, 21, 26 Mar 4, 5, 8, 12, 15, 19, 24, 27 Apr 4, 8, 11, 16, 25, 29 May 2.

Total No. of Visits *58*

The amount of Entry Fee *£ 5*

Special *£ 10*

Traveling Expenses, if any *£ -*

Fees applied for, *7 MAY 1907*

Received by me, *10/5/07*

Certificate to be sent to *Glasgow*

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

I am of opinion this Vessel should be Classed ** 100A-1 Steel "Spar BK"*

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

Committee's Minute *Glasgow - 7 MAY 1907*

Character assigned *+ 100 H (Steel) "Spar BK."*

log's acc'd.

J.D. Mares

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