

5 HADE
Awning or Shelter Deck,
with bridge above
or Pt. Awning Deck.

STEEL STEAMER.

No. 29833.

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

Yes.

WED. 8 MAR 1911

Port of Glasgow Date of completion of Report 1st Mar 1911 Received at London Office

Survey held at Glasgow Date, First Survey 14th April 1910 Last Survey 1st March 1911

On the Steel Tug Screw "ELLENGA" Rig Schooner

TONNAGE under 2691.55

CLASS 100A1 Shade Deck

Master H. P. Barnum

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

Breadth (greatest moulded) 52.25

Year of Appointment (1) As Master in service of owner of present vessel - 19 (2) As Master of this vessel - 1911

Total under Upper Dk.

Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 27.25

Built at Glasgow

Do. of Poop 37.84

Deduct height of 'tween deck when this does not exceed 8ft.

When built 1911 Launched 17/1/11

Do. of R. Q. Dk. 509.37

Transverse Number 79.5

Do. of Bridge House 16.97

Length on deck from fore part of stem to after part of sternpost 410

By whom built Messrs A. Stephen & Sons

Do. of Houses on Deck 602.14

Longitudinal Number 32595

Owners British India S. N. B. Ltd

Do. of excess of Hatchways 1.16

Depth "d" at middle of length. See Secs. 2 & 13 15.9

Managers

Do. above Crown of Engine Room 140.74

Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 11.62

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

Gross Tonnage 4999.77

Bridge Upper Deck at side to top of keel 9.46

Residence

Less Crew Space 209.86

Destined Voyage Calcutta

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

Less above Crown of Engine Room 140.74

Register Tonnage as cut on Beam 2706.19

Dimensions of Ship per Register,

Awn. or Shelter Dk.

Moulded depth, ft. ins. To Awning or Shelter Dk.

Round up of Uppermost Dk. Beam, Actual 123 ins.

Length 410 breadth 52.46 depth 24.75 Upper Deck.

Moulded depth, ft. 27 ins. 3 To Upper Dk.

FRAMING.

FRAME, Angles, or E or L Bars, amidships

Do. in peaks

Do. in way of Double Bottoms at Solid Floors

at intermdt. Bkts.

Spacing of Frames from centre to centre amidships

" length to collision bulkhead

" of Frames from centre to centre in peaks

REVERSED FRAME, Angles, or E or L Bars, amidships

FRAMING, depth of girder

FLOORS, depth and thickness of Floor Plate

at mid-line for 1/2 length amidships

" in way of Engine and Boiler spaces

" 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 Dbl. bottom, dpth. & thickness

" Angles, Top

" Bottom

" to Floors

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 Brackets above at bilge

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake

" thickness in Engine and Boiler space

" Remainder in Holds

BEAMS, Awning or Shelter Dk, Single Angle,

Bulb Angle, Plate, Tee Bulb or Channel

" Angles on upper edge

" Spacing

BEAMS, Upper or Second Deck, Single Angle,

Bulb Angle, Plate, Tee Bulb or Channel

" Angles on upper edge

" Spacing

BEAMS, Third or Fourth Deck, Single Angle,

Bulb Angle, Plate, Tee Bulb or Channel

" Angles on upper edge

" Spacing

BEAMS, Fourth or Fifth Deck, Single Angle,

Bulb Angle, Plate, Tee Bulb or Channel

" Angles on upper edge

" Spacing

BEAMS, Poop Deck, Angle, Bulb Angle, Plate,

Tee Bulb or Channel

" Angles on upper edge

" Spacing

BEAMS, Bridge Deck, Angle, Bulb Angle, Plate,

Tee Bulb or Channel

" Angles on upper edge

" Spacing

BEAMS, Forecastle Deck, Angle, Bulb Angle,

Plate, Tee Bulb or Channel

" 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

" No. of Side Stringers

WEB FRAMES, in E. & B. Space, No. & spacing

" No. of Side Stringers

BRACKET PLATES to Stringers between

Web Frames, depth and thickness

FORGINGS AND CASTINGS.

KEEL, Bar, depth and thickness

STEM, moulding and thickness

STERN-POST for Rudder do. do.

" for Propeller

RUDDER-A x D* Table 22

" Main Piece, diameter at head

" " " at heel

RUDDER, how constructed

Can the Rudder be unshipped afloat?

KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above

floors, Through Plate, or Intercostal Plate

" Rider Plate

" Flat Keel Plate Angles

" Horizontal Plates on Floors

" Angles or Bulb Angles

SIDE KEELSONS, Number

" Angles or Bulb Angles

" Plate above floors, for length

" Intercostal Plate, for length

" Attached to outside plating with Angle

BILGE KEELSON, Angles

" Intercostal Plate, for length

" Attached to outside plating with Angle

SIDE STRINGERS, Number

" Angles

" Intercostal Plate, for lng.

" Attached to outside plating with Angle

Awning or Shelter Deck Stringer Plates,

breadth and thickness

" Angle on ditto

" Tie Plates, fore and aft, outside Hatchways

" Deck * Iron or Steel, for full lng.

" Wood Deck. Material & thickness

Upper or Second Deck Stringer Plate,

breadth and thickness

" Angles on ditto, No.

" Tie Plates, outside Hatchways

" Deck * Iron or Steel, for full lng.

" Wood Deck. Material & thickness

Third Deck Stringer Plates, br'dth & thckn's

" Angles on ditto, No.

" Tie Plates, outside Hatchways

" Deck * Material and thickness

Fourth and Fifth Deck Stringer Plate,

breadth and thickness

" Angles on ditto, No.

" Tie Plates, outside Hatchways

" Deck. Material and thickness

Poop Deck Stringer Plate, breadth & thickness

" Angles on ditto

" Tie Plates

" Deck. Material and thickness

Bridge Deck Stringer Plate, br'dth & thickness

" Angle on ditto

" Tie Plates

" Deck. Material and thickness

Forecastle Deck Stringer Plate, br'dth & th'kns

" Angle on ditto

" Tie Plates

" Deck. Material and thickness

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

BULKHEADS.

In Vessel. Per Rule.

Thickness.

Horizontal.

Vertical.

Single or Double Frames.

Height up.

W. T. BULKHEADS

COLLISION

PARTITION

LONGITUDINAL

Are the outside Plates doubled two spaces of Frames in length?

Are the Sluice Valves and Watertight Doors in efficient working order?

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.				IF LAPPED.				
	AMIDSHIP.		FORWARD.		AFT.		Ordinary or Joggled?		RIVETS.		STRAPS.		IF LAPPED.						
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	Thickness.			
FLAT PLATE KEEL (If Bar Keel, state Riveting)	47	1.00	70	70	47	1.00	Double	6	1 3/4	Quad	18	4	16	Full					
GARBOARD OR A STRAKE		60	48	48		60	"	5 1/2	7/8	3 3/8	7/8	3 3/8	12						
State actual thickness in way of Double Bottom.	B	60	48	50		60	"	"	"	"	"	"	"	"					
	C	60	48	50		60	"	"	"	"	"	"	"	"					
	D	64	48	56		64	"	"	"	"	"	"	"	"					
	E	64	48	56		64	"	"	"	"	"	"	"	"					
	F	62	44	46		62	"	"	"	"	"	"	"	"					
	G	62	44	46		62	"	"	"	"	"	"	"	"					
	H	62	44	46		62	"	"	"	"	"	"	"	"					
	J	62	44	44		62	"	"	"	"	"	"	"	"					
	K	62	44	44		62	"	"	"	"	"	"	"	"					
	L	62	44	44		62	"	"	"	"	"	"	"	"					
Shade of Steel	M	62	44	44		62	"	"	"	"	"	"	"	"					
Bridge	N	67	70		47	70	"	"	"	"	"	"	14						
	P																		
	Q																		
	R																		
	S																		
DOUBLING OF Flat Plate Keel of Sheerstrakes (Length and Thickness)	47	76	clear of any bridge increased at Break in way of openings as per app'd plan																
POOP SIDES																			
SHORT 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.?										Steel Co. of Scotland, J. Dunlop & Co. D. Colville & Sons, The Lanarkshire Steel Co., The Glasgow & S. Co., Stewart & Lloyd									
Has the Steel been tested as required by the Rules?										Yes									
FRAMES extend in one length from middle line to margin of the keel, state if ordinary or joggled										Joggled									
REVERSED FRAMES on floors and frames extend from middle line to margin (Bull-plate frames) state if ordinary or joggled?										" " " "									
MASTS, SPARS, &c.										MASTS, SPARS, &c.									
LOWER MASTS										LOWER MASTS									
Fore										Fore									
Main										Main									
Mizen										Mizen									
Bowsprit										Bowsprit									
Topmasts, Yards and Remainder of Spars										Topmasts, Yards and Remainder of Spars									
Rigging, Material and Size, Shrouds										Rigging, Material and Size, Shrouds									
Sails										Sails									
EQUIPMENT No. 36545 LETTER Z										ANCHORS.									
Number of Certificate										Number of Certificate									
Anchors										Anchors									
Weight, Ex. Stock										Weight, Ex. Stock									
Weight of Stock										Weight of Stock									
Test per Certificate										Test per Certificate									
Weight Reg. by Table 31										Weight Reg. by Table 31									
Description of Anchor										Description of Anchor									
Makers										Makers									
Where and when tested and Superintendent										Where and when tested and Superintendent									
Chain Cables										Chain Cables									
HAWERS AND WARPS										HAWERS AND WARPS									
Boats										Boats									
Pumps										Pumps									
Windlass										Windlass									
Engine Room Skylights										Engine Room Skylights									
Coal Bunker Openings										Coal Bunker Openings									
Number of Scuppers										Number of Scuppers									
Ceiling in Holds										Ceiling in Holds									
Cargo Hatchways										Cargo Hatchways									
State size No. 1 Hatch (Forward)										State size No. 1 Hatch (Forward)									
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch										Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch									
Bulwarks										Bulwarks									
The above is a correct description										The above is a correct description									
Builder's Signature										Builder's Signature									
Surveyor's Signature										Surveyor's Signature									

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

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

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 facing surfaces? Yes

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. 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.) Workmanship good

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

Plans

5 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 1 ft., R.Q.D. 1 ft., Bridge 157.23 ft., F'castle 1 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. Complete shade of steel with bridge above

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 tiers (all w.s.) & shade of steel (all steel)

Official No. ; 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.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
Feet.	Tons.	Feet.	Tons.		
Double bottom, aft,	76.5	89.4	Fore peak tank,		37
Double bottom, under Engines and Boilers,	121.12	583.8	After peak tank,		47
Double bottom, if under Engines only,			Deep tank aft,		
Double bottom, if under Boilers only,			Deep tank forward,		
Double bottom, forward,	165.37	308.2	Other tanks, if fitted, Freshwater		70
Total capacity of double bottom	781.4		(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. 4480

Date 27.5.10

No. 440 in builder's yard

Fees applied for, 6/3/1911

Special 1/4/14: 6

Received by me, 8.3 1911

Travelling Expenses, if any 2

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed 100A.1 Shade of steel

With, or without Freeboard, as condition of Class without

Committee's Minute Glasgow 7-MAR.1911

Character assigned + 100A1

Shade of steel

3.11 7BA-5BA to upper 2BA to 2.2 BA

Lloyd's Assoc

+ LMC3.11

7.2

Builder's Signature J. Mares

Surveyor's Signature J. Mares

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