

Shelter Deck,

STEEL STEAMER.

No. 39397

or Pt. Awning Deck.

Port of Glasgow Date of completion of Report 29th Nov. 1919 Received at London Office WED. DEC. 10. 1919
 Survey held at Glasgow Date, First Survey 11/6/1918 Last Survey 26th Nov. 1919

On the (State of Single, Twin, or Triple Screw) Steel Twin Screw Steamer WOODARRA Rig Schooner

TONNAGE under Tonnage Deck... 5769.40 CLASS 100A1 WITH FREEBOARD FEET.

Do. between Tonnage Dk. and 1st Dk. 1829.69 Breadth (greatest moulded) 58'-0" Master BOND

Total under Upper Dk. 7599.09 Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 40'-0" Year of Appointment 1919

Do. of Poop 77.36 Deduct height of 'tween deck when this does not exceed 8ft. 8'-0" Built at Glasgow

Do. of R. Qr. Dk. 27.05 Transverse Number 90.0 When built 1919 Launched 12th July 1919

Do. of Bridge House 210.19 Length on deck from fore part of stem to after part of sternpost 450.0 By whom built Barclay Curle & Co. Ltd.

Do. of Houses on Deck 32.49 Longitudinal Number 40500 Owners British India S. N. Co. Ltd.

Do. of excess of Hatchways 7946.18 Depth "d" at middle of length. See Secs. 2 & 13... 19.4 Managers (Where necessary to be entered in Reg. Book.)

Do. above Crown of Engine Room 2542.78 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel 11.25 Residence London

Gross Tonnage 7946.18 Less Crew Space 113.90 Port belonging to Glasgow

Less above Crown of Engine Room 2542.78 Destined Voyage New York & Australia via Suez & Aden If Surveyed while Building, Afloat, or in Dry Dock Yes

Less Navigation Spaces 113.90 Register Tonnage as cut on Beam... 4856.56

LENGTH on Deck as per Rule 450 BREADTH Moulded 58 DEPTH, ACTUAL Top of Floors to top of Awning or Shelter Dk. Beams 40

Do. 0 Do. 0 Do. 32 No. of Decks with flat laid 3

Dimensions of Ship per Register, Length 449.55 breadth 58.25 depth 29.15 Upper Deck. Moulded depth, ft. 40 ins. 0 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 12 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.

FRAME, Angles, 9 3 1/2 46 9 3 1/2 46 PILLARS, In 'tween Deck, size and spacing 2 rows of wide spaced pillars

Do. in peaks 8 3 40 8 3 40 " " Hold " " Quarter, 'tween Dks., " "

Do. in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 44 3 1/2 3 1/2 44 " " in Hold " "

" " at intermdt. Bkts. 36 1 36 KEELSONS AND STRINGERS. 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.

spacing of Frames from centre to centre amidships 27 24 27 24 CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate Rider Plate

" length to collision bulkhead 24 24 " Flat Keel Plate Angles "

" of Frames from centre to centre in peaks 6 3 1/2 46 6 3 1/2 46 " Horizontal Plates on Floors "

REVERSED FRAME, Angles 3 1/2 3 1/2 44 3 1/2 3 1/2 44 " Angles or Bulb Angles "

Do. in way of Double bottoms at Solid Floors 10 10 SIDE KEELSONS, Number "

" " at intermdt. Bkts. 10 10 " Angles or Bulb Angles "

FRAMING, depth of girder 46 60 46 60 " Plate above floors, for length "

FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships 3 1/2 3 1/2 54 3 1/2 3 1/2 54 " Intercoastal Plate, for length "

" in way of Engine and Boiler spaces 5 5 60 5 5 60 " Attached to outside plating with Angle "

" thickness at the ends of vessel 6 6 52 6 6 52 BILGE KEELSON, Angles "

" depth at 1/2 the half-bdth. as per Rule 6 6 52 6 6 52 " Intercoastal Plate, for length "

" height extended at the Bilges 6 6 52 6 6 52 " Attached to outside plating with Angle "

FLOORS, in Cell Double Bottoms 40 40 SIDE STRINGERS, Number "

" state if flanged (top and bottom) No No " Angle "

" spacing of Solid 36 27 24 36 27 24 " Intercoastal Plate, for lng. "

CENTRE GIRDER, in Dbl. bottom, dpth & thickness 46 60 46 60 " Attached to outside plating with Angle "

" Angles, Top 3 1/2 3 1/2 54 3 1/2 3 1/2 54 " " " " "

" Bottom 5 5 60 5 5 60 " " " " "

" to Floors 6 6 52 6 6 52 " " " " "

" Brackets at intermdt. frmg. width & thickness 3 6 52 3 6 52 " " " " "

SIDE GIRDERS, number and thickness Two 40 Two 40 " " " " "

" state if flanged (top & bottom) 3 1/2 3 1/2 44 3 1/2 3 1/2 44 " " " " "

" Angles, VERTICAL 3 3 40 3 3 40 " " " " "

MARGIN PLATE, depth (exclusive of flange) and thickness 66 52 66 52 " " " " "

" Angles to outside plating 4 4 52 4 4 52 " " " " "

" to floor BRACKETS 6 6 54 6 6 54 " " " " "

" Brackets at intermdt. frmg. width & thickness 3 6 52 3 6 52 " " " " "

" Height of Brackets above at bilge 3 6 52 3 6 52 " " " " "

INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake 66 52 66 52 " " " " "

" thickness in Engine and Boiler space 66 52 66 52 " " " " "

" Remainder in Holds 66 52 66 52 " " " " "

BEAMS, Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel 9 3 1/2 50 9 3 1/2 50 " " " " "

" Spacing 36 36 36 36 " " " " "

BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel 9 3 1/2 50 9 3 1/2 50 " " " " "

" Spacing 36 36 36 36 " " " " "

BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel 10 3 1/2 48 10 3 1/2 48 " " " " "

" Angles on upper edge 36 36 36 36 " " " " "

" Spacing 36 36 36 36 " " " " "

BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 7 3 50 7 3 50 " " " " "

" Angles on upper edge 24 24 24 24 " " " " "

" Spacing 24 24 24 24 " " " " "

BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 8 3 50 8 3 50 " " " " "

" Angles on upper edge 24 24 24 24 " " " " "

" Spacing 24 24 24 24 " " " " "

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 8 3 50 8 3 50 " " " " "

" Angles on upper edge 24 24 24 24 " " " " "

" Spacing 24 24 24 24 " " " " "

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 8 3 50 8 3 50 " " " " "

" Angles on upper edge 24 24 24 24 " " " " "

" Spacing 24 24 24 24 " " " " "

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 8 3 50 8 3 50 " " " " "

" Angles on upper edge 24 24 24 24 " " " " "

" Spacing 24 24 24 24 " " " " "

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 8 3 50 8 3 50 " " " " "

" Angles on upper edge 24 24 24 24 " " " " "

" Spacing 24 24 24 24 " " " " "

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 8 3 50 8 3 50 " " " " "

" Angles on upper edge 24 24 24 24 " " " " "

" Spacing 24 24 24 24 " " " " "

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 8 3 50 8 3 50 " " " " "

" Angles on upper edge 24 24 24 24 " " " " "

" Spacing 24 24 24 24 " " " " "

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 8 3 50 8 3 50 " " " " "

" Angles on upper edge 24 24 24 24 " " " " "

" Spacing 24 24 24 24 " " " " "

BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel 8 3 50 8 3 50 " " " " "

" Angles on upper edge 24 24 24 24 " " " " "

" Spacing 24 24 24 24 " " " " "

WEB FRAMES.
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 Face Angles to Web-Frames
BRACKET PLATES to Stringers between
Web Frames, depth and thickness

FORGINGS or CASTINGS.
Inches in Ship.
Inches per Rule.
KEEL, Bar, depth and thickness
STEM, moulding and thickness
STERN-POST for Rudder do. do
for Propeller
RUDDER-A x D* Table 22. Speed
Main-Piece, diameter at head
at heel

BULKHEADS.
Number.
Vessel.
Per Rule.
Thicknes.
STIFFENERS.
Horizontal.
Vertical.
Single or Double Frames.
Height up, state deck.
W.T.BULKHEADS
8 7 42
12 x 3/4 x 3/4 x 3/4 30 Single Shells
as per approved plans

RUDDER, how constructed
Forged & built
Thickness of Plates or Single Plate
1-0 4
Can the Rudder be unshipped afloat?
Yes

COLLISION PARTITION
LONGITUDINAL
8 Bulkheads to Shells Ok
Are the outside Plates doubled two spaces of Frames in length? Brackets fitted
Are the Sluice Valves and Watertight Doors in efficient working order? 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 steel.
Colville, Lanarkshire, Steel Co. of Scotland.
Pearlstone, Calderbank, Glasgow, Motherwell.
Has the Steel been tested as required by the Rules? Yes

Table with 10 columns: STRAKES, AS IN SHIP (AMIDSHIP, FORWARD, AFT), PER RULE OR AS APPROVED (AMIDSHIP), and various thickness and breadth measurements for different parts of the ship's hull.

Table with 10 columns: RIVETING (EDGES, BUTTS), Rivets, Diam., Spacing, and various measurements for riveting different parts of the ship's hull.

THICKNESS OF STRIKE
CLEAR OF LONG BRIDGE
DO. OF STRAKE BELOW
DELG. of Flat Plate Keel
Sheerstrakes
Length and thickness.
POOP SIDES
SHORT BRIDGE SIDES
FORECASTLE SIDES

Butts of Side Stringers
Tie Plates
Inner Bottom Plating, riveting of Edges
Centre Girder Butts, Treble
Frames, riveted through Plates with
Rivets, state whether Iron or Steel

FRAMES extend in one length from centre line to Margins, thence aft to Second Shelter Dh.
REVERSED FRAMES on floors and frames extend from across floors & to 18" above bottom
of 2nd Dh beam lines
State if ordinary or joggled
Joggled on floors.

MASTS, SPARS, &c.
Material.
Total Length.
DIAMETER AND THICKNESS.
At Partners.
Heel.
Hounds.
Head.
No. of Plates in round.
ANGLES.
Number.
Size.
RIVETING.
Seams.
Butts.
LOWER MASTS
Fore
Main
Mizen
Topmasts, Yards and Remainder of Spars
Rigging, Material and Size, Shrouds
Sails.
None.
Stays.
L GSW
Sails, and the following spare sails

EQUIPMENT No. 43984 LETTER C.T.				ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.
80631	1st Bower	74	3	22	56	5	0
80562	2nd "	74	2	0	56	0	0
80561	3rd "	74	1	2	56	0	0
Collective weight		223	2	24	222	0	0
80632	Stream	24	3	5	24	12	3
76917	Kedge	11	0	16	13	2	0

Particulars of Drop Test of Cast Steel Anchors, viz.:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 47-1-7. CEP. 868. 31/8/18. 2nd " 47-1-5. TMB. 1935. 5/9/18. 3rd " 47-0-25. WC. 1903. 26/8/18.
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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.
	Length.	Diam.		Supplied.	Per Rule.		
52277	120	2 1/16	100%	149 3/8	150	7	Steel Hingley
52278	120	"	"	356 1/6	360	2 1/2	"
12663A	60	"	"	180 1/16	180	2 1/2	"
Stream		300	"	892 3/4	900	5	"
Steel Wire		120	"	59	120	5	"

Boats 4 Lifeboats
Pumps, Number One
Windlass is Efficient (Clarke Chapman & Co.)
Engine Room Skylights. How constructed? Steel plates & angles
Coal Bunker Openings. How constructed? Steel plates & angles
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 scuppers each side. Open rails
Ceiling in Holds, thickness and material Insulated
Cargo Hatchways. How formed? Steel plates & angles
State size No. 1 Hatch (Forward) 23.3 x 18.0 No. 2 Hatch 30.0 x 18.0 No. 3 Hatch 24.0 x 18.0 No. 4 Hatch 18.0 x 18.0
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 5 Webs to No. 1. 6 Webs to No. 2. 5 Webs to No. 3. 4 Webs to No. 4.
Bulwarks, height above deck and description Open rails
The foregoing is a correct description.
Builder's Signature (here only) H. J. Creevey
Steering Gear, Steam, Efficient Steering Gear, Hand Fire tackles X
Diameter of Barrel 4 State whether they are in efficient working order Yes
Capstan
What arrangements for deadlights in bad weather? Steel shutters
How are lids secured? Beats, tarpaulins
Weight above deck? 30" x 18"
Cargo Batts, thickness and material Insulated
Hatches, If strong and efficient? Yes
No. of Breasthooks 8 No. of Crutches Deep floors
Main Rail and Stays, material and size
Surveyor's Signature Henry H. Gibbs
Surveyor to Lloyd's Register of Shipping.

Correspondence. State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)
Secy's letters of various dates.
Workmanship. Are the butts of plating planed or otherwise fitted? Planed & fitted
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. 25, 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.) Workmanship good.
This vessel has been built in accordance with the approved plans, Secy's letters of various dates and generally in conformity with the rules for the class contemplated.
This is a "Type" Standard vessel & a sister vessel to TSS "NUDDER" &c. Its report No 388709 Nardana Npt 39167. Copy of Midships Section enclosed.
4 Forgery reports enclosed.
The eye plates for the emergency steering wire tackles were not riveted when vessel left this port. It was stated this would be done at Avonmouth & the Bristol Surveyors have been advised.
Glen Farquhar (G. Farquhar)
19/12/19

The Surveyor should state the Number of Report and Name of any Sister Vessel.
Plans to be forwarded with F.E. Report showing vessel as built.
The amount of Entry Fee £ 5 : 0 : 0
Special Survey Fee £ 2 : 16 : 6
Travelling Expenses, if any £ 8 : 8 : 0
Fees applied for, 9-12-1919
Received by me, 3/12/1919
Certificate to be sent to GLASGOW
Date of issue 2.1.20.
State whether the Vessel has been built under Special Survey
I am of opinion this Vessel should be Classed 100 AD "Shelter Deck"
With, or without Freeboard, as condition of Class with
Surveyor to Lloyd's Register of Shipping.

Committee's Minute GLASGOW 9-DEC-1919
Character assigned 100 AD
Shelter Deck with fbs.
11.19
Lloyd's Assoc.
+ LMC 11.19
72.
TUE 23 DEC. 1919
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GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 31 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 43 (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 should appear in the Register Book) 2 Decks (steel) & Shelter Deck (steel) part W.S.

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 Yes

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	141	420	Fore peak tank,		125
Double bottom, under Engines and Boilers,			After peak tank,		80
Double bottom, if under Engines only,	24	135	Deep tank, aft,		
Double bottom, if under Boilers only, Dry Tank	33	185	Deep tank, forward,		
Double bottom, forward,	188	720	Other tanks, if fitted, Fresh water	9	50
Total capacity of double bottom		1460	(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. 5197

Date 20-9-18

No. 572 in builder's yard.

DATES OF SURVEYS held while building

1918. June 11. 12. July 1. 9. Aug 6. 15. 20. 16. 22. 28. Sept 5. Oct 4. 10. 14. 15. 23. 25. Nov 7. 20. 28. Dec 6. 10.
1919. Jan 8. 10. 15. 28. Feb 11. 14. 18. 21. 26. Mar 11. 18. Apr 11. 30. May 6. 13. 15. 20. 26. 30. June 2. 4. 9. 13. 17.
23. 24. 27. July 9. 11. 14. 22. Aug 7. 28. Sept 3. 16. 18. 25. Oct 3. 8. 9. 15. 24. Nov 11. 13. 21. 24. 25. 26.

Total No. of Visits 70

Surveyor's Signature Henry Hibbs