

With ~~or Without~~ 4 CRUISER STERN.
STEEL STEAMER.

Disconnected Erections.

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

Received at London Office JAN 20 1921

Date of completion of report 30th Dec 1920 Port of Glasgow
Survey held at Glasgow Date, First Survey 13th Jan 1919 Last Survey 30th Dec 1920 19

On the (State if Single, Twin, or Triple Screw)

TONNAGE under 9188.49

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk. 9188.49

Do. of Poop 171.69

Do. of R.Q.Dk. 52.00

Do. of Bridge House 27.84

Do. of Forecastle 270.03

Do. of Houses on Dk. 32.96

Do. of excess of Hatchways

Do. above Crown of Engine Room 9743.01

Gross Tonnage 283.43

Less Crew Space

Less above Crown of Engine Room 9459.58

TONNAGE FOR FEES 3117.76

Less Engine Room 149.09

Less Navigation Spaces

Register Tonnage 6192.73

as cut on Beam

CLASS 100A1

FEET.

Breadth (greatest moulded) 63.62

Depth, at middle of length from top of keel to top of upper deck beams at side 38.31

Transverse Number 101.93

Length on deck from fore part of stem to after part of stern post 517.1

Longitudinal Number 52708

Depth "d," at middle of length (See Secs. 2 & 13) 19.94

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 13.49

Long Bridge Deck Beam at side to top of keel 11.17

Master F WITHAM

Year of appointment (1) As Master in service of owner of present vessel—19 (2) As Master of this vessel—19 20

Built at Glasgow

When built 1920 Launched 18th May 1920

By whom built B. Coull & Co. Ltd

Owners Thos & John Brochlebank

Managers

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

Residence Liverpool

Port belonging to Liverpool

Destined Voyage Calcutta

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

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams	Feet.	Inches.	No. of Decks with flat laid
517	12		63	7	2	Do. do. do. do. Second Dk. Beams	35	7	2

Dimensions of Ship per Register, Length 518.0 breadth 63.9 depth 35.65 Moulded depth, ft. 46 ins. 3 1/2 To Bridge Dk. Round of Upper 16 ins. Moulded depth, ft. 38 ins. 3 3/4 To Upper Dk. Dk. Beam, Actual

FRAMING.						PILLARS.					
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as	Inches per Rule Approved.		Inches in Ship.	Inches Spacing in Ship.	Inches per Rule, Or as	Inches per Rule Approved.	
FRAME, Angles or Bars amidships	8	3 1/2	62	8	3 1/2	PILLARS In 'tween Deck, size and spacing	2	Rows of wide			
Do. in peaks	9	3 1/2	45	8 1/2	3 1/2	" " Hold		spaced pillars			
Do. in way of Double Bottoms at Solid Floors	4	3 1/2	5	4	3 1/2	" " Quarter 'tween Dks.,		4 girders as per			
" " " at intermdt. Plts.						" " in Hold		approved plans.			
Spacing of Frames from centre to centre amidships	30				30						
" " " from 1/2	27				27						
" " " length to Collision bulkhead	24				24						
" " " in peaks..	8	3 1/2	62	8	3 1/2						
REVERSED FRAME, Angles.....	4	3 1/2	5	4	3 1/2						
Do. in way of Double Bottoms at Solid Floors...											
" " " at intermdt. Plts.											
FRAMING, depth of girder	12 1/2				12 1/2						
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 breadth, as per Rule											
" height extended at the Bilges											
FLOORS in Cell Double Bottoms.....	48	50	42	48	50						
state if flanged (top & bottom).....	No			No							
Spacing of Solid floors	30	27		30	27						
CENTRE GIRDER, in Dbl. bottom, depth & thickness.	48 1/2	64		48 1/2	64						
" Angles, Top	5	5	64	5	5						
" " Bottom	5	5	64	5	5						
" " to Floors	5	5	64	5	5						
" Brackets at intermdt. frmg. width & thickness											
IDE GIRDERS, number on each side & thickness	Three	46		Three	46						
state if flanged (top and bottom)	No			No							
" Angles (top and bottom)	3 1/2	3 1/2	48	3 1/2	3 1/2						
" " to Floors.....	3 1/2	3 1/2	48	3 1/2	3 1/2						
MARGIN PLATE, depth (exclusive of flange)	47 1/2	56		47 1/2	56						
and thickness.....	4	4	56	4	4						
" Angle to Outside Plating.....	5	5	60	5	5						
" " Floors	5	5	60	5	5						
" Brackets at intermdt. frmg. width & thickness											
Height of Outside Brackets above at bilge	8'-3"			8'-3"							
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	72	58		72	58						
" " " in Engine and Boiler space	58	62		58	62						
" " " Remainder in Holds.....	56	48	42	56	48						
AMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	50	9	3 1/2						
In way of Long Bridge	9	3 1/2	50	9	3 1/2						
Spacing	30			30							
AMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	11	3 1/2	45	11	3 1/2						
Spacing	30			30							
AMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10	3 1/2	50	10	3 1/2						
Hold Angles on upper edge											
Spacing	27			27							
AMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	11	3 1/2	45	11	3 1/2						
Angles on upper edge											
Spacing	60	48		60	48						
AMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	45	9	3 1/2						
Angles on upper edge											
Spacing	30			30							
AMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	11	3 1/2	45	11	3 1/2						
Angles on upper edge											
Spacing	54	48		54	48						

PILLARS.					
	Inches in Ship.	Inches Spacing in Ship.	Inches per Rule, Or as	Inches per Rule Approved.	
PILLARS In 'tween Deck, size and spacing	2	Rows of wide			
" " Hold		spaced pillars			
" " Quarter 'tween Dks.,		4 girders as per			
" " in Hold		approved plans.			

KEELSONS & STRINGERS.						
	Inches in Ship.	Inches Spacing in Ship.	Inches per Rule, Or as	Inches per Rule Approved.		
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate)						
" Rider Plate.....						
" Flat Plate Keel Angles						
" Horizontal Plates on Floors.....						
" Angles or Bulb Angles						
SIDE KEELSONS, Number						
" Angles or Bulb Angles						
" Plate above floors, for length...						
" Intercoastal Plate, for length						
" Attached to outside Plating with Angle...						
BILGE KEELSON, Angles						
" Intercoastal Plate for length						
" Attached to outside Plating with Angle...						
SIDE STRINGERS, Number						
" Angle	8	3 1/2	54	8	3 1/2	54
" Intercoastal Plate, for full length			46			46
" Attached to outside plating with Angle.....	3 1/2	3 1/2	46	3 1/2	3 1/2	46

Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	20	52	.8	20	52	.8
" " " " br'dth & thickness (in way of Bridge)	20	52	.52	20	52	.52
" " " Angle (clear of Bridge)	6	6	.8	6	6	.8
" " " Tie Plate at sides of Hatchways.....						
" Deck * Iron or Steel, for full lng.	58	4	58	4	58	4
" " Thickness (clear of Bridge)			58			58
" " (in way of Bridge)			44			44
" Wood Deck, Material & thickness						
Second Deck Stringer Plate, br'dth & thickness	72	5	72	5		
" Angles on ditto, No. 2	5	5	52	5	5	52
" Tie Plates outside Hatchways.....						
" Deck * Iron or Steel, for full lng.	44	36	44	36		
" Wood Deck, Material & thickness						
Third Deck Stringer Plate, br'dth & thickness	48	44	48	44		
" Angles on ditto, No. 2	4	4	46	4	4	46
" Tie Plates outside Hatchways.....						
" Deck * Material and thickness Steel			36			36
Fourth and Fifth Deck Stringer Plate, breadth & thickness						
" " Angles on ditto, No.						
" " Tie Plates outside Hatchways						
" " Deck, Material & thickness						
Poop Deck Stringer Plate, breadth & thickness	48	36	48	36		
" Angle on ditto	3 1/2	3 1/2	4	3 1/2	3 1/2	4
" Tie Plates			32			32
" Deck, Material and thickness	3	P-P	3	P-P		
Bridge Deck Stringer Plate, br'dth & thickness	20	50	.68	20	50	.68
" Angle on ditto.....	6	6	.72	6	6	.72
" Tie Plates						
" Deck, Material and thickness Steel			50			50
Forecastle Deck Stringer Plate, br'dth & thickness	48	36	48	36		
" Angle on ditto	3 1/2	3 1/2	4	3 1/2	3 1/2	4
" Tie Plates			26			26
" Deck, Material and thickness	3	P-P	3	P-P		

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

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

WEB FRAMES. In Fore Body, No. and spacing. Inches in Ship. Inches in Ship. Inches in Ship. Inches in Ship. Forgings or Castings. Rudder. Riveting. Plating. Masts, Spars, &c.

EQUIPMENT No. 54986 LETTER Y+. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS. CHAIN CABLES. HAWSERS AND WARPS. Boats Lifeboats & 2 Buoys. Steering Gear, Steam & Hand. Pumps, Number 1 & 2. Windlass is efficient. Engine Room Lights. Coal Bunker Openings. Number of Scuppers. Ceiling in Holds. Cargo Hatchways. State size No. 1 Hatch. Number of Web Plates. Bulwarks, height above deck. Correspondence. Workmanship. Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? Are the butts of plating planned or otherwise fitted? General Remarks. This vessel has been built in accordance with the approved plans. The Surveyor should state the Number of Report and Name of any Sister Vessel. The amount of Entry Fee. Special Survey Fee. Damage. State whether the Vessel has been built under Special Survey. I am of opinion this Vessel should be Classed. With, or without Freeboard, as condition of Class. Committee's Minute. Character assigned. Glasgow, 5-JAN-1921. General Committee. Thursday, 6th January, 1921. Date of build to be recorded as 12/20. Lloyd's A+C. Recommended to L.C. Fitted for oil fuel 12.20 F.P. above 150°F. date of build 12.20.

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 8-75 ft., R.O.D. ✓ ft., Bridge 222.5 ft., Forecastle 41.5 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 should appear in the Register Book) 2 Decks (steel) 3rd Dh (steel) in No. 1 Hold.
Official No. _____; Signal Letters _____ State if Machinery is fitted aft No
How are the surfaces preserved from oxidation? Inside Paint up to current Outside Paint
Cement in Mch. space for tanks
Cement on outside of tanks not of 605

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,	<u>156</u>	<u>676</u>	Fore peak tank,	<u>2 1/2</u>	<u>111</u>
Double bottom, under Engines <u>and Boilers</u> ,	<u>30</u>	<u>186</u>	After peak tank,	<u>1 1/2</u>	<u>90</u>
Double bottom, if under Engines only,	<u>50</u>	<u>286</u>	Deep tank, aft,	<u>40</u>	<u>1568</u>
Double bottom, if under Boilers <u>only</u> ,	<u>218</u>	<u>991</u>	Deep tank, forward,	<u>35</u>	<u>1490</u>
Double bottom, forward,			Other tanks, if fitted,		
			(If necessary, furnish further information by sketch.)		
			State whether the above have been tested as required by the Rules <u>Yes.</u>		

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 5279
Date 1-7-1919
No. 377 in builder's yard.
Dates of Surveys held while building
1919 Jan 13. 16. 31 Feb 6. 13. 18. 19 Mar 13 Apr 1. 2. 9. 15. 23 May 2. 7. 19. 21. 28 Jun 24 July 9 Aug 28 Sep 3. 10. 18. 20
Oct 2. 7. 15. 29. Nov 6. 19. Dec 8. 15. (1920) Jan 12. 22. 28. Feb 2. 19. 23 Mar 2. 3. 9. 15. 17. 22. 26. 31 Apr 1. 8.
21. 28 May 14. 18 Sep 13. 28 Oct 11. 28 Nov 23. 25. 30 Dec 2. 6. 10. 11. 14. 15. 22. 30.
Surveyor's Signature Henry Gibbs
Total No. of Visits 70.