

With or Without Disconnected Erections.

STEEL STEAMER.

Received at London, AUG. 20, 1913

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

Date of completion of report *18.8.13*

Port of *Glasgow*

No. *33026*

Survey held at *Lumbarton*

Date, First Survey *1-10-12*

Last Survey *14-8-1913*

On the *Steel Steamer*

Ceylon

Rig *Schooner*

TONNAGE under *4597.62*

CLASS *+100A1*

FEET.

Master *E. P. ROSS*

Tonnage Deck *4597.62*

Breadth (greatest moulded) *51.75*

Year of appointment *(1) As Master in service of owner of present vessel (2) As Master of this vessel 1913*

Do. between Tonnage Dk. and 3rd and 4th Dk. *116.39*

Depth, at middle of length from top of keel to top of upper deck beams at side *30.00*

Built at *Lumbarton*

Total under Upper Dk. *4597.62*

Transverse Number *81.75*

When built *1913* Launched *3rd July 1913*

Do. of Poop *143.82*

Length on deck from fore part of stem to after part of stern post *400*

By whom built *A. McMillan & Son Ltd*

Do. of Forecastle *94.35*

Longitudinal Number *32700*

Owners *Rotterdamse Lloyd*

Do. of Houses on Dk. *24.26*

Depth "d," at middle of length (See Secs. 2 & 13) *17.95*

Managers *(W. Ruys & Zonen)*

Do. of excess of Hatchways *36.57*

Proportions—Depths to Length—Upper Deck Beam at side to top of keel *13.3*

Residence *Rotterdam*

Do. above Crown of Engine Room *30.15*

" " Long Bridge Deck Beam at side to top of keel *10.6*

Port belonging to *Rotterdam*

Gross Tonnage *5045.16*

Destined Voyage *Galveston*

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

Net Crew Space *220.76*

Propportions—Depths to Length—Upper Deck Beam at side to top of keel *13.3*

above Crown of Engine Room *30.15*

" " Long Bridge Deck Beam at side to top of keel *10.6*

Net Tonnage for Fees *4794.25*

Engine Room *1614.45*

Navigation Spaces *85.78*

Crew *220.76*

Net Tonnage cut on Beam *3124.17*

Length on Deck as per Rule *400 0*

BREADTH—Moulded *51 9*

DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams *27 5 1/2*

Do. do. do. do. Second Dk. Beams *18 8 1/2*

No. of Decks with flat laid *two*

No. of Tiers of Beams *4*

FRAMING.

	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
NAME, Angles, or Bars amidships	11	3 1/2	48	11	3 1/2	48
Do. in peaks	6	3 1/2	38	6	3 1/2	38
Do. in way of Double Bottoms at Solid Floors	32	3 1/2	44	32	3 1/2	44
" " at intermdt. Bkts.	8	3 1/2	40	8	3 1/2	40
Spacing of Frames from centre to centre amidships	36		36			
" " from 1/2 length to Collision bulkhead	33	6	24	33	6	24
" " in peaks	24		24			
REVERSED FRAME, Angles, in aft. peak	3	3 1/2	38	3	3 1/2	38
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	44	3 1/2	3 1/2	44
" " at intermdt. Bkts.	7 1/2	3	40	7 1/2	3	40
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 breadth, as per Rule						
" height extended at the Bilges						
FLOORS & BRACKETS in Cell Dble Bottoms	43		44	43		44
" " state if flanged (top & bottom)						
" " Spacing	72		72			
CENTRE GIRDER, in Dbl. bottom, dpth. & thickness	43		50	43		50
" " Angles, Top	4 1/2	4 1/2	60	4 1/2	4 1/2	60
" " Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60
" " to Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40
SIDE GIRDERS, number on each side & thickness	two		40	two		40
" " state if flanged (top and bottom)						
" " Angles (top and bottom)	3 1/2	3 1/2	40	3 1/2	3 1/2	40
" " to Floors	3	3	40	3	3	40
MARGIN PLATE, depth (exclusive of flange) and thickness	34		48	34		48
" " Angles to Outside Plating	4	4	48	4	4	48
" " Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40
" " Height of Brackets above at bilge	25		25			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	51		48	51		48
" " in Engine and Boiler space	3 (iron)		56	3		56
" " Remainder in Holds			46			46
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	42	7	3	42
" " Angles on upper edge						
" " In way of Long Bridge	7	3	42	7	3	42
" " Spacing		36			36	
BEAMS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	46	8	3	46
" " Angles on upper edge						
" " Spacing		36			36	
BEAMS, Third and Fourth 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	7 1/2	3	42	7 1/2	3	42
" " Angles on upper edge						
" " Spacing		36			36	
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6 1/2	3	42	6 1/2	3	42
" " Angles on upper edge						
" " Spacing		36			36	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7 1/2	3	42	7 1/2	3	42
" " Angles on upper edge						
" " Spacing		33			33	

PILLARS.

	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
PILLARS, in 'tween Deck, size and spacing	3		72	3		72
" " Hold	4 3/4		72	4 3/4		72
" " Quarter 'tween Dks	4 3/4		72	4 3/4		72
" " in Hold	4 3/4		72	4 3/4		72
KEELSONS & STRINGERS.						
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	two					
" " Angle	6 1/2	3 1/2	50	6 1/2	3 1/2	50
" Intercoastal Plate, for full length			44			44
" Attached to outside plating with Angle	3 1/2	3	44	3 1/2	3	44
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	60		66	60		66
" " " " (in way of Bridge)	60		48	60		48
" " Angle (clear of Bridge)	5 x 5 x		68	5 x 5 x		68
" " Tie Plate at sides of Hatchways						
" Deck * Iron or Steel, for full lng.						
" " Thickness (clear of Bridge)			50			50
" " (in way of Bridge)			40			40
" Wood Deck, Material & thickness						
Second Deck Stringer Plate, br'dth & thickness	72		42	72		42
" Angles on ditto, No.	3 1/2 x 3 1/2		48	3 1/2 x 3 1/2		48
" Tie Plates outside Hatchways						
" Deck * Iron or Steel, for full lng.						
" Wood Deck, Material & thickness						
Third Deck Stringer Plate, br'dth & thickness						
" Angles on ditto, No.						
" Tie Plates, outside Hatchways						
" Deck * Material and thickness						
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	35		34	35		34
" Angle on ditto	3 1/2 x 3 1/2		34	3 1/2 x 3 1/2		34
" Tie Plates						
" Deck, Material and thickness	2 1/2		24	2 1/2		24
Bridge Deck Stringer Plate, br'dth & thickness	55		54	55		54
" Angle on ditto	5 x 5 x		58	5 x 5 x		58
" Tie Plates						
" Deck, Material and thickness	2 1/2		42	2 1/2		42
Forecastle Deck Stringer Plate, br'dth & thickness	35		34	35		34
" Angle on ditto	3 1/2 x 3 1/2		34	3 1/2 x 3 1/2		34
" Tie Plates						
" Deck, Material and thickness	2 1/2		24	2 1/2		24

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

VESSEL No. 34712				LETTER Y.				ANCHORS				TONNAGE U.K. OR PLATING No. FOR TRAWLERS			
Number of Certificate		Anchors		WRIGHT, EX-STOCK		WRIGHT OF STOCK		TEST, PER CERTIFICATE		WEIGHT REQUIRED BY TABLE 31		Description of Anchor		Makers	Where and when tested and Superintended
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	
40714	1st Bower ...	60	1	21	Stokless	48	12	2	0	60	0	0	0	0	S. Taylor & Co. Ld. Linton 6/5/13 Perrin
40712	2nd " ...	60	1	7	Stokless	48	10	0	0	59	0	0	0	0	" " " " " " " " " " " "
40713	3rd " ...	51	1	21	Stokless	43	4	2	21	51	2	0	0	0	" " " " " " " " " " " "
	4th " ...														
	Collective weight	172	0	21						170	2	0	0	0	
39220	Stream	16	1	25	4	0	16	17	16	1	0	16	1	0	H.P. Parkes & Co. Ld. Linton 6/6/12 Perrin
39216	Kedge.....	7	0	21	1	3	7	9	7	0	21	7	0	0	H.P. Parkes & Co. Ld. Linton 6/6/12 Perrin
CHAIN CABLES.															
Number of Certificate		Length and size supplied		Test per Certificate		WRIGHT OF CHAIN CABLE		Length and Size per Table 31		Description	Makers of Cables	Where and when tested and Superintended	Material	Length and Size supplied	Breaking Test of Steel Wire Towline
		Fathoms.	Inches.	Tons.	qrs.	lbs.	Cwts.	qrs.	lbs.	Fathoms.	Inches.			Fathoms.	Inches.
41860	225	2 1/2	8 1/2	120	2	0	540	0	0	270	2 1/2	H.P. Parkes & Co. Ld. Linton 22/3/13 Perrin	STEEL WIRE	120	4 1/2
11903	45	2 1/2	8 1/2	120	2	0	108	3	21			H.P. Parkes & Co. Ld. Linton 6/2/13 Perrin	STEEL WIRE	90	2 1/2
48902	45	2 1/2	8 1/2	120	2	0	108	3	21			H.P. Parkes & Co. Ld. Linton 2/4/13 Perrin	STEEL WIRE	90	2 1/2
	From Store or other source	90	4 1/2	47						90	4 1/2	Steel wire Hawsers manufactured by G.L. White Cross & Co. Ltd. Warrington	HAWSER	90	4 1/2
HAWSERS AND WARPS.															
Boats Four Steering Gear, Steam Hand combined Steering Gear, Hand none Pumps, Number One Dunston, and one pump to fore and aft Diameter of Barrel 5 1/2 State whether they are in efficient working order yes Windlass is Clarke Chapman & Co. Capstan Engine Room Skylights—How constructed? Steel What arrangements for deadlights in bad weather? Steel plates Coal Bunker Openings.—How constructed? Steel plate How are lids secured? Clamps Height above deck? 2' 6" Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 7 scuppers each side aft well 3 each side 3' 6" x 2' 0" Ceiling in Holds, thickness and material 1/2 inch under battens 2 1/2 R Cargo Battens, thickness and material 2 Pine Cargo Hatchways.—How formed? Steel plate and angles Hatches, If strong and efficient? Yes State size No. 1 Hatch (Forward) 24' 4" x 18' 0" No. 2 Hatch 30' 0" x 18' 0" No. 3 Hatch 27' 0" x 18' 0" No. 4 Hatch 24' 0" x 18' 0" Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch No. 1 hatch - 4 web, No. 2 hatch - five web, No. 3 hatch - five web No. 4 hatch - four web, any of the hatchways No. of Breasthooks Eight No. of Crutches deep floor Bulwarks, height above deck and description Steel plate 48 high Main Rail, material and size 3 x 3 x 40 Bull angle The foregoing is a correct description. Builder's Signature (here only) ARTHUR McMILLAN & SON, LTD. Surveyor's Signature Geo M Shaw Surveyor to Lloyd's Register of British and Foreign Shipping.															
Correspondence. —State dates and initials of letters respecting this case. (References should be made in any correspondence connected with the case.) 1st June 1912 (M) 20/4/12 (M) 8/7/12 (M) 18/7/12 (M) 1/8/12 (M) 23/8/12 (E) 29/10/12 (M) 3/7/13 (M)															
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 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. 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 letter of the above dates, and in general conformity to the Rules for the class contemplated. 10 Plans 3 Fozging forms. Memberships section for filing will first entry report already forwarded, please return the remainder of Plans for dealing with the sister vessel no. 451 This is a similar vessel to the same Builder no. 445 the S.S. "Saint Andrew" Glasgow Report no. 31909 The Surveyor should state the Number of Report and Name of any Sister Vessel.															
The amount of Entry Fee £ 5 : Special Survey Fee.... £ 144 : 17 : Travelling Expenses, if any £ : : Fees applied for, 18-8-1913 Received by me, 19-8-1913 Certificate to be sent to GLASGOW Date of issue 21/8/13 State whether the Vessel has been built under Special Survey yes I am of opinion this Vessel should be Classed +100A1 With, or without Freeboard, as condition of Class Without Committee's Minute GLASGOW 19 AUG. 1913 Character assigned +/- 100A1 8.13 Lloyd's Assoc + L.M.C. 8.13 Geo M Shaw. Surveyor to Lloyd's Register of British and Foreign Shipping.															

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GENERAL REMARKS—(continued).

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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 35.75 ft., R.Q.D. — ft., Bridge 129 ft., Forecastle 56 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated 2

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) Two decks, steel

Official No. 448 Signal Letters —

State if Machinery is fitted aft yes

How are the surfaces preserved from oxidation? Inside paint and 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.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	117	275	Fore peak tank,	18	82		
Double bottom, under Engines and Boilers,	42	146	After peak tank,	15	45		
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—		
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	3.0	828		
Double bottom, forward,	188	534	Other tanks, if fitted,	—	—		
Total capacity of double bottom		955	(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. 4482

Date 17.6.12

No. 448 in builder's yard.

DATES of Surveys held while building

1912: Oct. 1. 4. 10. 17. 21. 24. 28. Nov. 4. 7. 11. 18. 22. Dec. 4. 10. 18. 20. 30.
1913: Jan. 8. 10. 13. 17. 21. 28. Feb. 6. 12. 14. 18. 21. March 6. 14. 18. 26. Apr. 1. 8. 11. 16. 22. 24.
28. 30. May 2. 5. 8. 16. 19. 21. 27. 29. 30. June 2. 5. 9. 11. 17. 19. 26. July 1. 2. 14. 18. 29.
Aug. 11. 18. 14.

Total No. of Visits 65

Surveyor's Signature Geo. M. Shaw

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