

# With or Without Disconnected Erections.

## STEEL STEAMER.

WED. NOV. 18. 1914  
Received at London Office NOV. 18.

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

Date of completion of report Nov 12<sup>th</sup> 1914 Port of Glasgow  
Survey held at Glasgow Date, First Survey 27. 11. 13 Last Survey Nov 12<sup>th</sup> 1914  
On the Steel Screw Steamer "MAHANADA" Rig Schooner  
TONNAGE under Tonnage Deck 6760.87 CLASS 100A1  
Do. between Tonnage Dk. and 3rd and 4th Dk. 120.58  
Total under Upper Dk. 6760.87  
Do. of Poop 120.58  
Do. of R.Q.Dk. 90.99  
Do. of Bridge House 24.75  
Do. of Forecastle 160.37  
Houses on Dk. 38.83  
Access of Hatchways  
ve Crown of  
ne Room ..  
Tonnage 7196.39  
ew Space 245.04  
ve Crown of  
ne Room ..  
FEES. 6951.35  
Engine Room 2302.84  
Navigation Spaces 126.70  
er Tonnage 4521.81  
on Beam ..  
GTH on Deck 469 74  
per Rule ....  
BREADTH—  
Moulded .... 57 9  
DEPTH, ACTUAL—  
Top of Floors to top of Upper Dk. Beams 32 2  
Do. do. do. do. Second Dk. Beams 21 2  
No. of Decks with flat laid 2  
No. of Tiers of Beams 2  
Moulded depth, ft. 42 ins. 10 1/2 To Bridge Dk. Round of Upper 14 ins.  
Moulded depth, ft. 34 ins. 11 To Upper Dk. Dk. Beam, Actual)

Year of appointment 1900  
Built at Glasgow  
When built 1914 Launched Sept 10<sup>th</sup> 1914  
By whom built B Connell & Co  
Owners T & J Brochlebank & Co  
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

Dimensions of Ship per Register, Length 170.55 breadth 58.05 depth 32.1.

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.
ME, Angles, or Bars amidships	6 1/2	3 1/2	50	6 1/2	3 1/2	50
in peaks	7	3 1/2	40	7	3 1/2	40
in way of Double Bottoms at Solid Floors	4	3 1/2	44	4	3 1/2	44
" " at intermdt. Bkts.						
ing of Frames from centre to centre amidships	27 1/2			27 1/2		
" " " from 1/2 length to Collision bulkhead	27			27		
" " " in peaks	24			24		
VERSED FRAME, Angles	8	3 1/2	50	8	3 1/2	50
in way of Double Bottoms at Solid Floors	4	3 1/2	44	4	3 1/2	44
" " at intermdt. Bkts.						
MING, depth of girder	11			11		
ORS, 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						
ORS & BRACKETS in Cell Dble Bottoms			44			44
" state if flanged (top & bottom)						
" Spacing	27 1/2			27 1/2		
TRE GIRDER, in Dbl. bottom, dpth. & thicknss.	47	58	47	58		
" " Angles, Top	5	5	62	5	5	62
" " " Bottom	5	5	62	5	5	62
" " " to Floors	5	5	64	5	5	64
E GIRDERS, number on each side & thickness	Two	42	Two	42		
" state if flanged (top and bottom)						
" Angles (top and bottom)	3 1/2	3 1/2	46	3 1/2	3 1/2	46
" " to Floors	3	3	44	3	3	44
GIN PLATE, depth (exclusive of flange) and thickness	4 5/8		52	4 5/8		52
" Angles to Outside Plating	4	4	52	4	4	52
" " Floors	5	3 1/2	46	5	3 1/2	46
" Height of Brackets above at bilge	6.4			6.4		
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake	63	54	63	54		
" " in Engine and Boiler space	5.52	58	5.52	58		
" " Remainder in Holds			42			42
MS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	46	8	3	46
" Angles on upper edge						
" In way of Long Bridge	8	3	46	8	3	46
" Spacing	27 1/2			27 1/2		
MS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9 1/2	3 1/2	52	9 1/2	3 1/2	52
" Angles on upper edge						
" Spacing	27 1/2			27 1/2		
MS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	12	4	60	12	4	60
" Angles on upper edge						
" Spacing	55	54	55	54		
MS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8 1/2	3 1/2	50	8 1/2	3 1/2	50
" Angles on upper edge						
" Spacing	55	48	55	48		
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	8	3	42	8	3	42
" Angles on upper edge						
" Spacing	27 1/2			27 1/2		
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	10	3 1/2	56	10	3 1/2	56
" Angles on upper edge						
" Spacing	55	48	55	48		

PILLARS.	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.
PILLARS, In 'tween Deck, size and spacing	2 Rows					
" " Hold						
" " Quarter 'tween Dks.						
" " in Hold						
KEELSONS & STRINGERS.						
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal 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						
" 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	Two			Two		
" " Angle	7 3/2	52	7 3/2	52		
" Intercostal Plate, for full length		46		46		
" Attached to outside plating with Angle	3 1/2	46	3 1/2	46		
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	20 48	74	20 48	74		
" " " " (br'dth & thickness) (in way of Bridge)	20 48	50	20 48	50		
" " " " Angle (clear of Bridge)	6 x 6	74	6 x 6	74		
" " " " 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	50	50	50	50		
" Angles on ditto, No. Two	3 1/2	50	3 1/2	50		
" Tie Plates outside Hatchways						
" Deck * Iron or Steel, for full lng	40	36	40	36		
" Wood Deck, Material & thickness						
Third Deck Stringer Plate, br'dth & thickness	44	44	44	44		
" Angles on ditto, No. Two	3 1/2	50	3 1/2	50		
" Tie Plates, outside Hatchways						
" Deck * Material and thickness STEEL		34		34		
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	38	48	38		
" Angle on ditto	3 1/2	38	3 1/2	38		
" Tie Plates STEEL DK		25		25		
" Deck, Material and thickness	5 x 3 PP		5 x 3 PP			
Bridge Deck Stringer Plate, br'dth & thickness	62	58	62	58		
" Angle on ditto	5 x 3	64	5 x 3	64		
" Tie Plates						
" Deck, Material and thickness Steel		44		44		
Forecastle Deck Stringer Plate, b'dth & th'kns	48	38	48	38		
" Angle on ditto	3 1/2	38	3 1/2	38		
" Tie Plates STEEL DK		25		25		
" Deck, Material and thickness	5 x 3 PP		5 x 3 PP			

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



Form No. 1A. WEB FRAMES. In Fore Body, No. and spacing. 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. BULKHEADS. Number. Thickness. STIFFENERS. BULKHEADS. W.T. BULKHEADS. COLLISION DIVISION. LONGITUDINAL. PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. RIVETING. THICKNESS OF SHEET PILE. CLEAR OF LONG BRIDGE. DO. OF STRAKE BELOW. DBLE. OF Flat Plate Keel. Sheerstrakes. POOP SIDES. FORECASTLE SIDES. FORGINGS or CASTINGS. RUDDER. RUDDER, how constructed. 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. MASTS, SPARS, &c. LOWER MASTS. Bowsprit. Topmasts, Yards and Remains of Spars. Riggings, Material and Size, Shrouds. Sails. One. Suit of fore & aft. Sails, and the following spare sails.

Form No. 1B. EQUIPMENT No. 45123. LETTER 2+. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS. CHAIN CABLES. HAWSERS AND WARPS. Boats. Steering Gear, Steam Efficient. Steering Gear, Hand Efficient. Windlass is Efficient. Engine Room Skylights. Coal Bunker Openings. Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Ceiling in Holds, thickness and material. Cargo Hatchways. State size No. 1 Hatch (Forward). No. 2 Hatch. No. 3 Hatch. No. 4 Hatch. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. No. of Breasthooks. Bulwarks, height above deck and description. The foregoing is a correct description. Builder's Signature. Surveyor's Signature. Correspondence. Workmanship. Are the butts of plating planed or otherwise fitted? Is the riveted work properly closed? Are the liners between the frames and plates solid single pieces? Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? Do any rivets break into or through the seams or butts of the plating? Are the butts of Plating, Stringers, &c., properly shifted and strapped? Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? General Remarks (State quality of workmanship, &c.). This vessel has been built in accordance with the approved plans, the Scup letters of above dates & otherwise in accordance with the rules for the class contemplated. This is a sister vessel to the S/s Malahuta 4th report N° 34387 14 plans & 4 forging reports enclosed. Please return plans for reference sister vessels N° 36849. Copy of Midship section & profile enclosed. This vessel received damage by striking the S/s "Sciordia" on 2nd Oct 1914, for particulars of which please see copy of damage report attached hereto. The vessel has now been repaired & the vessel is now in the same good & efficient condition as before the damage was sustained. The Surveyor should state the Number of Report and Name of any Sister Vessel. The amount of Entry Fee. Special Survey Fee. Travelling Expenses, if any. Fees applied for. Received by me. 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. 11 NOV. 1914. LLOYD'S A&CP. + L.M.C. 11.14.14.



GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 46 ft., R.Q.D. ☒ ft., Bridge 124.37 ft., Forecastle 42.6 (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 deck (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 & 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,	<u>158</u>	<u>579</u>	Fore peak tank,		<u>79</u>
Double bottom, under Engines and Boilers,			After peak tank,		<u>54</u>
Double bottom, if under Engines only,	<u>30</u>	<u>137</u>	Deep tank, aft,		
Double bottom, if under Boilers only,	<u>46</u>	<u>211</u>	Deep tank, forward,		
Double bottom, forward,	<u>178</u>	<u>636</u>	Other tanks, if fitted,		
	Total capacity of double bottom	<u>1563</u>	(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. 4763

Date 26.3.13

No. 361 in builder's yard.

DATES OF SURVEYS held while building

1913. Nov. 27. Dec. 10. 23-1914 Jan. 7. 12. Feb. 4. 18. Mar. 3. 18. Ap. 1. 9. 22. May 4. 10. 28.  
 June 8. 11. 24. July 2. 9. 29. Aug. 5. 7. 10. 11. 14. 18. 21. 27. 31. Sept. 7. 15. 24. 30.  
 Oct. 2. 7. 14. 20. 29. Nov. 2. 5. 6. 12.

Total No. of Visits 44

Surveyor's Signature

Henry Hibbs

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