

1 or 2 Dks., R.Q.Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

TUES. 10 NOV 1903 No. 3498

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

Received at London Office.

Date of completion of Report 9th November 03. Port of Rotterdam.
Date, First Survey Amsterdam 9/4/03. Last Survey 4th November 1903.
Rig Vebaner.

Survey held at Capelee & Loe.
On the Steel Steamer "Helmia" (Rotterdam 9/4-03).

ONE OR TWO DECKED VESSEL.

Master ?

Year of appointment (1) As master in service of owner of present vessel: 19
(2) As master of this vessel: 19

TONNAGE under
Tonnage Deck... 284.08.
Do. of Poop 20.38.
Do. of Raised Qr. 28.64.
Do. of Break... 22.25.
Do. of Bridge House 22.25.
Do. of Forecastle 22.25.
Do. of Houses on Deck 22.25.
Do. of excess of Hatchways 22.25.
Do. above Crown of Engine Room 22.25.
Gross Tonnage 1002.29.
Less Crew Space 22.25.
Less above Crown of Engine Room 22.25.
TONNAGE FOR FEES 280.04.
Less Engine Room 384.49.
Less Navigation Spaces 614.80.
Register Tonnage as cut on Beam 614.80.

CLASS 100 A.C.
Half Breadth (moulded) 16.0.
Depth from upper part of Keel to top of Main Deck Bms. 16.92.
Girth of Half Midship Frame (as per Rule) 30.28.
1st Number 63.20.
Length on deck from after part of stem to fore part of stern post 215.
2nd Number 13588.
Proportions—Breadths to Length 6.4.
Depths to Length—Main Deck to top of Keel 12.4.
Destined Voyage South Shields. If Surveyed while Building, Afloat, or in Dry Dock Building.

Built at Capelee & Loe.
When built 1903. Launched 14th October 02.
By whom built A. Reuk.
Owners Glen & Co.
Managers (Where necessary to be entered in Reg. Book).
Residence Glasgow.
Port belonging to Glasgow.

LENGTH on Deck as per Rule 215.0. BREADTH Moulded 32. DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams 15.4 1/2. No. of Decks with Flat laid One Dk. No. of Tiers of Beams One Dk.
Dimensions of Ship per Register, Length, 215.4. breadth, 32.1. depth, 15.4. Moulded Depth, 16. ft. 3. ins. Round of Beam, Actual 8. ins.

FRAMING.				FORGINGS AND CASTINGS.			
Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
FRAME, Angles 1 or 2 Bars, for 1/2 length amidships				KEEL, Bar or Side Plates depth and thickness			
Do. for 1/2 at each end	3	3	3	STEM, moulding and thickness	7 1/2 x 2 1/4	7 1/2 x 2 1/4	7 1/2 x 2 1/4
Do. in way of Double Bottoms at Solid Floors	3	3	3	STERN-POST for Rudder do. do.	7 1/2 x 2 1/4	7 1/2 x 2 1/4	7 1/2 x 2 1/4
" " " at intermdt. Bkts.	4	3	4	" for Propeller	5 1/4	5 1/4	5 1/4
Spacing of Frames from centre to centre	23	23	23	MAIN PIECE of Rudder, diameter at head	4 1/2	4 1/2	4 1/2
REVERSED FRAME, Angles	4 1/2	3	4 1/2	do. at heel	4 1/2	4 1/2	4 1/2
DEEP FRAMING, depth of girder	6	6	6	RUDDER, how constructed	Single plate as approved 18/20		
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	18 1/2	9	18 1/2	Can the Rudder be unshipped afloat?	Yes		
" in way of Engines and Boilers	9 1/4	4	9 1/4	KEELSONS AND STRINGERS.			
" thickness at the ends of vessel	9 1/4	4	9 1/4	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate or Intercoastal Plate	13	10	13
" depth at 1/2 the half breadth, as per Rule	9 1/4	4	9 1/4	" Rider Plate	11	10	11
" height extended at the Bilges	6	6	6	" Bulb Plate to Intercoastal Keelson	2	2	2
FLOORS & BRACKETS, in Cell Dble Bottoms				" Horizontal Plates on Floors	5	3 1/2	5
" " state if flanged (top & bottom)	Not flanged	46	46	" Angles	5	3 1/2	5
" " Spacing	46	46	46	SIDE KEELSON, Angles	5	3 1/2	5
CENTRE GIRDER, in Double Bottom, depth and thickness	36	8	36	" Bulb or Plate above floors for Ing	5	3 1/2	5
" " Angles, Top	3 1/2	3 1/2	3 1/2	" Intercoastal Plate for E.B. length	3	3	3
" " Bottom	5	3 1/2	5	" Attached to outside plating with Angle	3	3	3
SIDE GIRDERS, number on each side & thickness	Three	6	Three	BILGE KEELSON, Angles	5	3 1/2	5
" " state if flanged (top & bottom)	Not flanged	46	46	" Bulb or Plate above floors for E.B. Ing	8	8	8
MARGIN PLATE, depth (exclusive of flange) and thickness	22	4	22	" Intercoastal Plate for length	8	8	8
" Angles to Outside Plating	3 1/2	3 1/2	3 1/2	" Attached to outside plating with Angle	3 1/2	3 1/2	3 1/2
" Floors	3	3	3	BILGE STRINGER Angles	5 1/2	3	5 1/2
" Height of Floors at the Bilges	3	3	3	" Bulb Plate for full length	17	17	17
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	48	54	48	" Intercoastal Plate for 1/2 full length	17	17	17
" thickness in Engine and Boiler space	48	54	48	" Attached to outside plating with Angle	3 1/2	3 1/2	3 1/2
" " Remainder in Holds	48	54	48	SIDE STRINGER Angles	5 1/2	3	5 1/2
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	5 1/2	" Bulb or Intercoastal Plate for full Ing	16	16	16
" Angles on Upper Edge	23	23	23	" Attached to outside plating with Angle	3 1/2	3 1/2	3 1/2
" Spacing	23	23	23	Main and Raised Quarter Deck Stringer Plate, breadth and thickness	46	46	46
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	5 1/2	" Angle on ditto	4-4	8	4-4
" Angles on Upper Edge	23	23	23	" Tie Plates, outside Hatchways	8	8	8
" Spacing	23	23	23	" Diagonal Tie Plates on Bms, No. of Pairs	6	6	6
BEAMS, Hold, Plate or Tee Bulb	5 1/2	3	5 1/2	" Main Dk Iron or Steel for full Ing	6	6	6
" Angles on Upper Edge	23	23	23	" R.Q. Dk Iron or Steel for full Ing	6	6	6
" Spacing	23	23	23	" Wood Deck, Material & thickness	6	6	6
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	5 1/2	Lower Deck Stringer Plate, breadth and thickness	46	46	46
" Angles on Upper Edge	23	23	23	" Angles on ditto, No.	4-4	8	4-4
" Spacing	23	23	23	" Tie Plates, outside Hatchways	8	8	8
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	5 1/2	Deck Material and thickness	6	6	6
" Angles on Upper Edge	23	23	23	Hold Stringer Plate	46	46	46
" Spacing	23	23	23	" Angles on ditto, No.	4-4	8	4-4
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2	3	5 1/2	Poop Deck Stringer Plate, breadth & thickness	46	46	46
" Angles on Upper Edge	23	23	23	" Angle on ditto	4-4	8	4-4
" Spacing	23	23	23	" Tie Plates	8	8	8
PILLARS, In 'tween Decks, Size and Spacing	46	46	46	" Deck, Material and thickness	6	6	6
" " Hold	3 and 3 1/4	46	3 and 3 1/4	Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness	36	36	36
" " Quarter, 'tween Dks., " "	3 and 3 1/4	46	3 and 3 1/4	" Angle on ditto	3x3	8	3x3
" " in Hold	3 and 3 1/4	46	3 and 3 1/4	" Tie Plates	6	6	6
WEB FRAMES, In Fore Body, No. and Spacing	One web	14	One web	" Deck, Material and thickness	6	6	6
" " " Brdth. & Thickness	14	14	14	Forecastle Deck Stringer Plate, brdth & thcknss	24	24	24
WEB FRAMES, In E. & B. Space, No. and Spacing	One web	14	One web	" Angle on ditto	3x3	8	3x3
" " " Brdth. & Thickness	14	14	14	" Tie Plates	6	6	6
WEB FRAMES, In After Body, No. and Spacing	One web	14	One web	" Deck, Material and thickness	6	6	6
" " " Brdth. & Thickness	14	14	14	Are the outside Plates doubled two spaces of Frames in length?	Yes		
" " " No. of Side Stringers	14	14	14	Are the Sluice Valves and Watertight Doors in efficient working order?	Yes		
" " " Size of Angles or Tee Bars to Web Frames	2x3-3	2x3-3	2x3-3				
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness	2x3-3	2x3-3	2x3-3				

PLATING.										RIVETING.									
AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.				IF LAPPED.					
STRAKES.		AMIDSHIP.		FORWARD.		AFT.		SINGLE OR DOUBLE.		BREADTH OF LAP.		DIAM.		SPACING CR. TO CR.		BREADTH.		THICKNESS.	
FLAT PLATE KEEL	36	13	10	10	34	10	10	Double 5 1/2	2 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2	3 1/2
GARBOARD OR A STRAKE	48	4	9	9	10	10	10	"	"	"	"	"	"	"	"	"	"	"	"
State actual thickness in way of Double Bottom.	B	46	9	9	9	9	9	"	"	"	"	"	"	"	"	"	"	"	"
	C	54	9	9	9	9	9	"	"	"	"	"	"	"	"	"	"	"	"
	D	46	10	9	9	10	10	"	"	"	"	"	"	"	"	"	"	"	"
	E	44	10	9	9	10	10	"	"	"	"	"	"	"	"	"	"	"	"
	F	52	9	9	9	9	9	"	"	"	"	"	"	"	"	"	"	"	"
	G	54	10	9	9	10	10	"	"	"	"	"	"	"	"	"	"	"	"
	H	48	13	9	9	48	13	"	"	"	"	"	"	"	"	"	"	"	"
	J																		
	K																		
	L																		
	M																		
	N																		
	O																		
	P																		
DOUBLING OF FLAT PLATE KEEL																			
Length of Bilges																			
Length of Sheerstrakes																			
Length of Strake below																			
POOP SIDES																			
RAISED QUARTER DECK SIDES																			
BRIDGE SIDES																			
FORECASTLE SIDES																			
LENGTHS OF PLATING																			
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 outside Plating, &c.																			
Plating outside Plating, &c.																			
Inner Bottom Plating, riveting of Edges																			
Centre Girder Butts, riveted																			
Frames, riveted through Plates with																			
Rivets, state whether of Iron or Steel																			
FRAMES extend in one length from																			
REVERSED FRAMES on floors and frames extend from																			
MASTS, SPARS, &c.																			
LOWER MASTS																			
BOWSPRIT																			
TOPMASTS, YARDS AND REMAINDER OF SPARS																			
RIGGING, MATERIAL AND SIZE, SHROUDS																			
SAILS																			
Equipment No. 14800 Letter M																			
ANCHORS																			
Tonnage U.Dk. or Plating No. for Trawlers																			
CHAIN CABLES																			
HAWERS AND WARPS																			
Boats																			
Pumps																			
Windlass																			
Engine Room Skylights																			
What arrangements for deadlights in bad weather?																			
Coal Bunker Openings																			
Number of Scuppers, and number 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																			
Beam																			
Bulwarks, height above deck and description																			
The above is a correct description.																			
Builder's Signature																			
Surveyor's Signature																			

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

London Letter to Amsterdam. M. 9/4-24/4-1903-24/6-03/10/10-15/10-22/10-03

Workmanship. Are the butts of plating planed or otherwise fitted? Overlapped Chippie and caulked

Is the riveted work properly closed? Yes. Satisfactory

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? Yes a few

Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes. Satisfactory

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? Yes. State results of tests Satisfactory

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? Yes. State results of tests Satisfactory

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the approved plans, Secretary's Letter referred to above and in general conformity with the Society's Rules. The forepeak has not been fitted for water. Ballast and a hand pump placed as approved. Mr. Hebe surveyed this vessel on the 15th. Hatched below and when the survey from this port was commenced the state of progress was: Floors in double bottom erected and partly in engine and boiler space. Keelplate and garboard strakes riveted in place. The vessel is towed to South Shields for fitting of engine and boiler and the following remains to be done on the vessel: One tunnel plate and frames to be riveted. Engine room skylight and top of casing to be finished and riveted on engine and boiler space. Boiler plates to be fastened and tie at boiler neck to be fitted. The workmanship is satisfactory. The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 11 ft., R.Q.D. or Break 13.66 ft., Bridge Dk. 61.33 ft., Forecastle 21.0 ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. is joined to the B.D., this should be distinctly stated. Wee Sh. vessel as per profile plan. Bridge on Main Deck

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) Steel Deck over all type.

Official No. ; Signal Letters State if Machinery is fitted aft No

How are the surfaces preserved from oxidation? Inside Cement Paint Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular D.B.

Where fitted.	*Length.	Water Capacity.	Where fitted.	*Length.	Water Capacity.
Feet.	Tons.	Feet.	Tons.	Feet.	Tons.
Double bottom, aft.	61.3	90	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft		15
Double bottom, if under Boilers only,			Deep tank, forward		
Double bottom, forward,	80.5	142	Other tanks, if fitted,		

* 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. Good

Amsterdam 2. Order for Special Survey No. 2

Date 26 May 03

No. 246 in builder's yard

Amsterdam. Voids received from M. Hebe 9/4-24/4-10/6-22/6-9/7-03

Potterdam 2/4-13/6-4/8-12/8-1/9-1/9-8/10-10/10-13/10-15/10-12/10

22/10-4/11-12/10

Total No. of Visits 18

The amount of Entry Fee £ 3.0.0 Fees applied for, 19

Special £ 19.0.0 Received by me, 28/11/1903

Travelling Expenses, if any £ 2.5.9

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed 100-A

With, or without Freeboard, as condition of Class Without Freeboard

Committee's Minute FRI. 11 DEC 1903

Character assigned 100A1 Steel

George A. O. L. + Linc 12.03

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