

3 Decks.

IRON OR STEEL STEAMER.

JUL 25 1905

Received at London Office

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

Port of

Glasgow

No. 22989

1905

Date of completion of report

Survey held at Glasgow

Date, First Survey

20th Jan

Last Survey

5th July

On the Steel Steamer

TONNAGE under Tonnage Deck

4215.18

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

Total under Upper Dk.

Do. of Poop

145.28

Do. of Bridge House

78.66

Do. of Forecastle

5.73

Do. of Houses on Dk.

Do. of excess of Hatchways

Do. above Crown of Engine Room

Tonnage

4444.85

Crew Space

132.60

Do. Crown of Room

4312.25

FOR FEES

1422.35

Engine Room

57.17

Navigation Spaces

er Tonnage

2832.73

THREE DECKED VESSEL.

CLASS 100 A.1.

FEET.

Half Breadth (moulded)

24.89

Depth from upper part of Keel to top of Upper Deck Beams

30.16

Girth of Half Midship Frame (as per Rule)

52.10

deduct 7 feet

107.15

1st Number

100.15

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

390.16

2nd Number

39074.52

Proportions—Breadth to Length

7.83

Depth to Length—Upper Deck to top of Keel

12.93

Main Deck ditto

Destined Voyage

If Surveyed while Building, Afloat, or in Dry Dock While Building

Master

Year of appointment

(1) As Master in service of owner of present vessel—18
(2) As Master of this vessel—18

Built at Glasgow

When built 1905 Launched 8th June 1905

By whom built J.W. Henderson & Co. Ltd.

Owners Australind Steam Shipping Co. Ltd.

Managers Linder Anderson & Co.

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

Residence Leadenhall St. London.

Port belonging to London.

Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
390	2	Moulded	49	9 1/2	Top of Floors to top of Upper Dk. Beams	26	6	2
					Do. do. do. Main Dk. Beams	17	6	No. of Tiers of Beams
								2
								Round of Upper Dk. Beam, Actual
								12 ins.

FRAMING.	Inches in Ship	Inches in Ship	20ths in Ship	Inches per Rule Or as	Inches per Rule Or as	20ths per Rule	FORGINGS or CASTINGS.	Inches in Ship	Inches per Rule Or as
Angles, $\frac{1}{2}$ or $\frac{3}{4}$ Bars for $\frac{1}{2}$ length amidships	6 1/2	3 1/2	10	6 1/2	3 1/2	10	KEEL, Bar or Side Plates, depth and thickness	Flat Plate Keel	
or $\frac{1}{2}$ at each end	"	"	9	"	"	9	STEM, moulding and thickness	11 x 3 1/2	11 x 3 1/8
in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	10	3 1/2	3 1/2	10	STERN-POST for Rudder do. do.	11 x 7 1/2	11 x 7 1/2
" at intermediate Dkts.	"	"	"	"	"	"	" for Propeller	80.	80.
of Frames from moulding edge to	"	"	"	"	"	"	MAIN PIECE of Rudder, diameter at head	10 1/2	10 1/2
ling edge, all fore and aft	"	"	"	"	"	"	" do. at heel	8 1/2	8 1/2
USED FRAME, Angles	7	3 1/2	10	7	3 1/2	10	RUDDER, how constructed	Single Plate	Arms shank to main piece
FRAMING, depth of girder	"	"	"	"	"	"	Can the Rudder be unshipped afloat?	Yes.	
depth and thickness of Floor Plates	"	"	"	"	"	"	KEELSONS & STRINGERS.		
at mid-line for $\frac{1}{2}$ length amidships	"	"	"	"	"	"	CENTRE LINE KEELSON, Vertical Plate above		
in way of Engines and Boilers	"	"	"	"	"	"	floors, Through Plate, or Intercoastal Plate		
thickness at the ends of vessel	"	"	"	"	"	"	" Rider Plate		
depth at $\frac{1}{2}$ the half breadth, as per Rule	"	"	"	"	"	"	" Bulb Plate to Intercoastal Keelson		
height extended at the Bilges	"	"	"	"	"	"	" Horizontal Plates on Floors		
IS & BRACKETS in Cell Dble Bottoms	44	x	8	44	x	8	" Angles		
Distance apart	"	"	"	"	"	"	SIDE KEELSON, Angles		
CE GIRDER, in Double bottom, depth	44	x	11-9	44	x	11-9	" Bulb or Plate above floors, for		
and thickness	"	"	"	"	"	"	" Intercoastal Plate, for		
" Angles, Top	4	4	10	4	4	10	" Attached to outside Plating with Angle		
" Bottom	4 1/2	4 1/2	12	4 1/2	4 1/2	12	BILGE KEELSON, Angles		
GIRDERS, number on each side & thickness	2	8	"	"	"	"	" Bulb or Plate above floors, for		
" Angles	3 1/2	3 1/2	8	3 1/2	3 1/2	8	" Intercoastal Plate for		
IN PLATE, depth (exclusive of flange)	36	x	10	36	x	10	" Attached to outside Plating with Angle		
and thickness	"	"	"	"	"	"	BILGE STRINGER Angles		
" Angles to Outside Plating	"	"	"	"	"	"	" Bulb Plate for		
BOTTOM PLATING, breadth and	44	x	10	44	x	10	" Intercoastal Plate for		
thickness of Middle Line Strake	"	"	"	"	"	"	" Attached to outside Plating with Angle		
" in Engine and Boiler space	"	"	"	"	"	"	SIDE STRINGER Angles		
" Remainder in Holds	"	"	"	"	"	"	" Bulb or Intercoastal Plate, for		
S, Upper Deck, Single Angle, Bulb	11	3 1/2	15	11	3 1/2	15	" Attached to outside plating with Angle		
Angle, Plate or Tee Bulb	"	"	"	"	"	"	Upper Deck Stringer Plates, br'dth & thickness		
Angles on upper edge	"	"	"	"	"	"	" Angle on ditto		
Average space	50	"	"	"	"	"	" Tie Plates fore and aft, outside Hatchways		
S, Middle Deck, Single Angle, Bulb	11	3 1/2	15	11	3 1/2	15	" Deck, * Iron or Steel, for		
Angle, Plate or Tee Bulb	"	"	"	"	"	"	" Wood Deck, Material & thickness		
Angles on upper edge	"	"	"	"	"	"	Middle Deck Stringer Plate, br'dth & thickness		
Average space	50	"	"	"	"	"	" Angles on ditto, No.		
S, Lower Deck, Single Angle, Bulb	"	"	"	"	"	"	" Tie Plates outside Hatchways		
Angle, Plate or Tee Bulb	"	"	"	"	"	"	" Deck, * Material and thickness		
Angles on upper edge	"	"	"	"	"	"	Lower Deck Stringer Plate, br'dth & thickness		
Average space	"	"	"	"	"	"	" Angles on ditto, No.		
S, Hold, or Orlop, Plate or Tee Bulb	"	"	"	"	"	"	" Tie Plates outside Hatchways		
Angles on upper edge	"	"	"	"	"	"	" Deck, * Material and thickness		
Average space	"	"	"	"	"	"	Hold, or Orlop Stringer Plate, br'dth & thckn's		
S, Poop Deck, Angle, Bulb Angle, Plate	"	"	"	"	"	"	" Angles on ditto, No.		
on Tee Bulb	"	"	"	"	"	"	" Tie Plates outside Hatchways		
Angles on upper edge	"	"	"	"	"	"	" Deck, Material and thickness		
Average space	"	"	"	"	"	"	Poop Deck Stringer Plate, breadth & thickness		
S, Bridge Deck, Angle, Bulb Angle, Plate	6	3	9	6	3	9	" Angle on ditto		
on Tee Bulb	"	"	"	"	"	"	" Tie Plates		
Angles on upper edge	"	"	"	"	"	"	" Deck, Material and thickness		
Average space	"	"	"	"	"	"	Bridge Deck Stringer Plate, br'dth & thickness		
S, Forecastle Deck, Angle, Bulb Angle	"	"	"	"	"	"	" Angle on ditto		
Plate or Tee Bulb	"	"	"	"	"	"	" Tie Plates		
Angles on upper edge	"	"	"	"	"	"	" Deck, Material and thickness		
Average space	"	"	"	"	"	"	Forecastle Deck Stringer Plate, b'dth & th'kns		
S, In 'tween Deck, size and spacing	2 1/2	50	"	2 1/2	50	"	" Angle on ditto		
" Hold	4 1/2	65	"	4 1/2	65	"	" Tie Plates		
" Quarter 'tween Dks	"	"	"	"	"	"	" Deck, Material and thickness		
" in Hold	"	"	"	"	"	"	W. T. BULKHEADS		
WEB-FRAMES, In Fore Body, No. and spacing	"	"	"	"	"	"	PARTITION		
br'dth. & thickness	"	"	"	"	"	"	LONGITUDINAL		
" No. of Side Stringers	"	"	"	"	"	"			
WEB-FRAMES, In E. & B. Space, No. & spacing	"	"	"	"	"	"			
br'dth. & thickness	"	"	"	"	"	"			
WEB-FRAMES, In After Body, No. and spacing	"	"	"	"	"	"			
br'dth. & thickness	"	"	"	"	"	"			
" No. of Side Stringers	"	"	"	"	"	"			
" Size of Angles or Tee Bars to Web Frames	"	"	"	"	"	"			
BRACKET PLATES to Stringers between	"	"	"	"	"	"			
Web Frames, depth and thickness	"	"	"	"	"	"			

W 970 - 0130 1/2

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. RIVETING. EDGES. BUTTS. Includes tables for Flat Plate Keel, Garboard of A Strake, and Doubling of Flat Plate Keel.

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. *Siemens Martin process.*

Upper Deck (Butts, treble riveted for *full* length amidship) Stringer Plate (Straps, single, double or overlapped for *full* length amidship) Middle Deck (Butts, treble riveted for *full* length amidship) Stringer Plate (Straps, single, double or overlapped for *full* length amidship) Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? *treble* Inner Bottom Plating, riveting of Edges *2* *Double* Butts *Double* Centre Girder Butts, *Double* riveted Keelson Butts, *Double* riveted Frames, riveted through Plates with *7/8* in. Rivets, about *6 1/2* apart. Rivets, state whether Iron or Steel *Iron*

Has the Steel been tested as required by the Rules? *Yes* FRAMES extend in one length from *centre line to margin plate and thence to shelter deck.* REVERSED FRAMES on floors and frames extend from *centre line to margin plate and thence to upper deck and to shelter deck alternately for 3/5 length amidships* MASTS, SPARS, &c.

Table with columns: Material, Total Length, DIAMETER AND THICKNESS, No. of Plates in round, ANGLES, RIVETING. Includes data for Lower Masts, Bowsprit, Topmasts, Yards and Remainder of Spars, Rigging, Material and Size, Shrouds, Sails.

EQUIPMENT No. *46960* LETTER *2* ANCHORS. Sails, and the following spare sails *✓*

Table with columns: Number of Certificate, Anchors, WEIGHT, EX. STOCK, WEIGHT OF STOCK, TEST, PER CERTIFICATE, WEIGHT REQUIRED BY TABLE 22, Description of Anchor, Makers, Where and when tested and Superintendent. Includes data for 6710, 6711, 6764, 53668, 53667.

Table with columns: Number of Certificate, Fathoms, Size, Test per Certificate, Tons, WEIGHT OF CHAIN CABLE, Fathoms and Size per Table 22, Description, Makers of Cables, When and where tested, and Superintendent, Material, Fathoms, Size, Breaking Test of Steel Wire, Fathoms and Size per Table 22. Includes data for 36785, 36792, 90.

Boats (4) 2 lifeboats. 1 rig. 1 dingy. Pumps, Number 10 hand pumps & 2 larger steam driven. Windlass is *Calverley & Chapman's steam & hand & geared Capstan* Engine Room Skylights. How constructed? *Steel skylight* What arrangements for deadlights in bad weather? *Shutters with lullages* Coal Bunker Openings. How constructed? *9" bull angles* Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *6 scuppers at shelter deck* Ceiling in Holds, thickness and material *2 1/2 R. P.* Cargo Hatchways. How formed? *Steel coamings* State size No. 1 Hatch (Forward) *20-10" x 16-0"* No. 2 Hatch *27-1" x 16-0"* No. 3 Hatch *10-5" x 16-0"* No. 4 Hatch *25-0" x 15-0"* Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *2 Webs & 3 fore and afters.* Bulwarks, height above deck and description *Open rail above shelter deck* The above is a correct description. *Open rail above shelter deck*

Builder's Signature (here only) *DAVID & WILLIAM HENDERSON & CO., LIMITED* Surveyor's Signature *R. M. Wright* Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) 16/1/05 M. 27/1/05 M. 27/2/05 M. 28/2/05 M. 29/3/05 E. 30/6/05 M. 30/12/04 M.

Workmanship. Are the butts of plating planed or otherwise fitted? Planed and lapped.

Is the riveted work properly closed? Yes.

Are the liners between the frames and plates solid single pieces? Yes.

to plate, &c., conform well to each other? Yes.

from the faying surfaces? Yes.

Do the holes for riveting plate to frames, butt straps, or plate

Are the rivet holes well and sufficiently countersunk in the plate and punched

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. 23, par. 24)? Yes

State results of tests Satisfactory.

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)?

State results of tests

General Remarks (State quality of workmanship, &c.)

The workmanship throughout is good. The vessel has been built in accordance with the approved plans, the Secretary's letters of above dates, and in general conformity with the Rules for the class contemplated.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. or Break ft., Bridge Dk. ft., F'castle ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated. Complete shelter 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) 2 Dks. (St.) 4 deep framing 4 Shelter dk. (St.)

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside Paint 9 cement on outside strakes Outside Paint.

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

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	125	323	Fore peak tank,	20	73
Double bottom, under Engines and Boilers,			After peak tank,	9	19
Double bottom, if under Engines only,	25	94	Midship deep tank,		
Double bottom, if under Boilers only,	21	78	Other tanks, if fitted,		
Double bottom, forward,	167	556	(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. 3985

Date 27. 1. 05

No. 445 in builder's yard.

DATES of Surveys held while building

1905: Jan. 20. 27. Feb. 6. 9. 13. 15. 17. 20. 24. 28. Mar. 2. 10. 16. 21. 27. Apr. 5. 6. 10. 14. 20. 26. 28. May 2. 8. 12. 16. 22. 24. 27. 30. June 2. 6. 8. 14. 19. 21. 23. 26. 28. 30. July 3. 5.

Total No. of Visits 42

The amount of Entry Fee.....£ 5: : :

Special Survey Fee ...£ 132: 16: : :

Travelling Expenses, if any £ : : :

Fees applied for,

24 JUL 1905

Received by me,

27. 1. 05

Certificate to be sent to

Glasgow

State whether the Vessel has been built under Special Survey Yes.

I am of opinion this Vessel should be Classed + 100 A.1 Shelter dk.

With, or without Freeboard, as condition of Class with freeboard

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

R. M. Wright.

Committee's Minute Glasgow 24 JUL 1905

Character assigned + 100 A.1 (Steel) Shelter Dk with freeboard Lloyds A.1 C.P. Subject to cement etc. When fee is paid

TUES. 3 APR 1906

FRI. 11 OCT 1907

FRI. 20 MAY 1909

TUES. 10 NOV 1908

FRI. 17 NOV 1908

TUES. 1 DEC 1908

Certificates issued 28/7/05.

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