

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

IRON OR STEEL STEAMER.

No. 22223

State if Report is also sent on the Machinery of the Vessel
Date of completion of Report 25th October 1904
Date, First Survey 4th April

Received at London Office, TUES. 1 NOV 1904

Port of Glasgow
Last Survey 18th October 1902
Rig 3 masted S.A. Schooner

Survey held at Troon
On the S.S. "The President"

TONNAGE under Tonnage Deck...	438.00
Do. of Poop	-
Do. of Raised Qr.	105.83
Do. of Break..	-
Do. of Bridge House	17.23
Do. of Forecastle	6.77
Do. of Houses on Deck	7.82
Do. of excess of Hatchways	38.66
Do. above Crown of	32.49
Engine Room ..	646.81
Gross Tonnage	51.38
Less Crew Space	32.49
Less above Crown of	562.74
Engine Room ..	332.43
TONNAGE FOR FEES ..	23.82
Less Engine Room	-
Less Navigation Spaces	-
Register Tonnage	237.98
as cut on Beam ..	-

ONE OR TWO DECKED VESSEL.
CLASS 100 A1.

Half Breadth (moulded)	13.75
Depth from upper part of Keel to top of Main Deck Bms.	14.19
Girth of Half Midship Frame (as per Rule)	24.90
1st Number	52.84
Length on deck from after part of stem to fore part of stern post	183.3
2nd Number	9685.
Proportions—Breadths to Length	6.66
Depths to Length—Main Deck to top of Keel	12.91
Destined Voyage	Coasting.

Master John Morrison
Year of appointment (1) As master in service of owner of present vessel:—1904
(2) As master of this vessel:—1904
Built at Troon
When built 1904 Launched 12th Sept/04
By whom built Alex. S. B. Co. Linto
Owners J. Hay & Sons
Managers
Residence Glasgow
Port belonging to Glasgow

LENGTH on Deck as per Rule	183	Feet.	4	Inches.	BREADTH—Moulded	27	Feet.	6	Inches.	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	11	Feet.	3	Inches.	No. of Decks with Flat laid	1	No. of Tiers of Beams	1
Dimensions of Ship per Register, Length, 184.6 breadth, 27.65 depth, 10.7 Moulded Depth, 13 ft. 7 1/2 ins. Round of Beam, Actual 7 1/2 ins.																		

FRAMING.							FORGINGS AND CASTINGS.							
	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or a	Inches per Rule s	20ths per Rule ved.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or a	Inches per Rule s	20ths per Rule ved.	
FRAME, Angles, 2 1/2 x 3 1/2 for 1/2 length amidships	3 1/2	3	7	3 1/2	3	7	KEEL, Bar or Side Plates depth and thickness	7 1/2 x 1 7/8			7 1/2 x 1 7/8			
Do. for 1/2 at each end	3 1/2	3	6	3 1/2	3	6	STEM, moulding and thickness	7 1/2 x 1 7/8			7 x 1 7/8			
Do. in way of Double Bottoms at Solid Floors	3	3	7	3	3	7	STERN-POST for Rudder do. do.	7 x 4			7 x 4			
Spacing of Frames from centre to centre	22			22			for Propeller	7 x 4			7 x 4			
REVERSED FRAME, Angles	3	2 1/2	6	3	2 1/2	6	MAIN PIECE of Rudder, diameter at head	5			5			
DEEP FRAMING, depth of girder							do. at heel	4 1/2 x 4 1/2			4 x 4			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships							RUDDER, how constructed	Forged frame and single plate 13/20						
in way of Engines and Boilers	8			17 1/2		8	Can the Rudder be unshipped afloat?	yes.						
thickness at the ends of vessel	10			10			KEELSONS AND STRINGERS.							
depth at 3/4 the half breadth, as per Rule	32			32			CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	12		9	12		9	
height extended at the Bilges	36			36			Rider Plate	8 1/2		9	8 1/2		9	
FLOORS & BRACKETS, in Cell Dble Bottoms	36		6	36		6	Bulb Plate to Intercoastal Keelson							
state if flanged (top & bottom)	40			40			Horizontal Plates on Floors							
Spacing	22			22			Angles	4	3	6	4	3	6	
CENTRE GIRDER, in Double Bottom, depth and thickness	36		9	36		9	SIDE KEELSON, Angles	4	3	6	4	3	6	
Angles, Top	3 1/2	3 1/2	7	3 1/2	3 1/2	7	Bulb or Plate above floors for							
Bottom							Intercoastal Plate for required length			6			6	
SIDE GIRDERS, number on each side & thickness	1		6	1		6	Attached to outside plating with Angle	3	3	6	3	3	6	
state if flanged (top & bottom)	40			40			BILGE KEELSON, Angles	4	3	6	4	3	6	
Angles	3	2 1/2	6	3	2 1/2	6	Bulb or Plate above floors for required length	6 1/2		6	6 1/2		6	
MARGIN PLATE, depth (exclusive of flange) and thickness	23 1/2		7	23 1/2		7	Intercoastal Plate for							
Angles to Outside Plating	3	3	7	3	3	7	Attached to outside plating with Angle							
Floors	3	2 1/2	6	3	2 1/2	6	BILGE STRINGER Angles	4	3	6	4	3	6	
Height of Floors at the Bilges	45			45			Bulb Plate for							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	52	Iron	5/16	52	Iron	5/16	Intercoastal Plate for 3/5 length			6			6	
thickness in Engine and Boiler space							Attached to outside plating with Angle	3	3	6	3	3	6	
Remainder in Holds		Iron	5/16		Iron	5/16	SIDE STRINGER Angles	4	3	6	4	3	6	
BEAMS, Main and Raised Quarter Deck, (Single Angle, Bulb Angle, Plate or Tee Bulb)	5	3	7	5	3	7	Bulb or Intercoastal Plate for							
Angles on Upper Edge							Attached to outside plating with Angle							
Spacing	22			22			Main and Raised Quarter Deck Stringer (M.D. 38 x 10 M.D. 38 x 10 Plate, breadth and thickness R.Q.D. 36 x 10 R.Q.D. 36 x 10 Angle on ditto 3 1/2 x 3 1/2 7 3 1/2 x 3 1/2 7)							
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb							Tie Plates, outside Hatchways							
Angles on Upper Edge							Diagonal Tie Plates on Bms., No. of Pairs							
Spacing							Main Dk* Iron or Steel for whole length		8 x 7		8 x 7		8 x 7	
BEAMS, Hold, Plate or Tee Bulb							R. Q. Dk* Iron or Steel for 1/2 length		8 x 7		8 x 7		8 x 7	
Angles on Upper Edge							Wood Deck, Material & thickness							
Spacing							Lower Deck Stringer Plate, breadth and thickness							
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb							Angles on ditto, No.							
Angles on Upper Edge							Tie Plates, outside Hatchways							
Spacing							Deck* Material and thickness							
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb	5	3	7	5	3	7	Hold Stringer Plate							
Angles on Upper Edge							Angles on ditto, No.							
Spacing	44			44			Poop Deck Stringer Plate, breadth & thickness							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	6	3	9	6	3	9	Angle on ditto							
Angles on Upper Edge							Tie Plates							
Spacing	44			44			Deck, Material and thickness							
PILLARS, In 'tween Decks, Size and Spacing							Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness	22	6	22	6	22	6	
Hold	34	3 1/2	44	34	3 1/2	44	Angle on ditto	2 1/2	2 1/2	6	2 1/2	2 1/2	6	
Quarter, 'tween Dks.,							Tie Plates	8	6	8	6	8	6	
in Hold							Deck, Material and thickness	fine	2 5/8		fine	2 5/8		
WEB FRAMES, In Fore Body, No. and Spacing							Forecastle Deck Stringer Plate, breadth & thickness	22	6	22	6	22	6	
Brdth. & Thickness	15		6	15		6	Angle on ditto	2 1/2	2 1/2	6	2 1/2	2 1/2	6	
No. of Side Stringers	2		6	15		6	Tie Plates	8	6	8	6	8	6	
WEB FRAMES, In E. & B. Space, No. & Spacing							Deck, Material and thickness	fine	3		fine	3		
Brdth. & Thickness							* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.							
WEB FRAMES, In After Body, No. and Spacing							BULKHEADS.							
Brdth. & Thickness	15		6	15		6	Number.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up.
No. of Side Stringers	3		6	15		6	In Vessel.	Per Rule.	Horizontal.	Vertical.	Horizontal.	Vertical.	Horizontal.	Vertical.
Size of Angles or Tee Bars to Web Frames	3	2 1/2	6	3	2 1/2	6	Size.	Spacing.	Size.	Spacing.	Size.	Spacing.	Size.	Spacing.
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness							Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.

[illegible]

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) From Secretary
M 25.2.03; 7.8.03; 13.8.03 and F 15.7.03. Also M 15.3.04; 4.10.04.
Workmanship. Are the butts of plating planed or otherwise fitted? planed where possible.
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? in a few cases.
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)? yes. State results of tests Satisfactory.
General Remarks (State quality of workmanship, &c.) Workmanship and materials, good.
This Steel screw Steamer has been built in accordance with the Rules and the accompanying plans which have been submitted to and approved by the Committee.
It will be observed that in many important respects the scantlings of this vessel are much in excess of the Rule requirements.
She has a topgallant forecastle, bridge and raised quarter deck of the lengths stated below.
Water ballast is to be carried in the double bottom and in the fore and after peaks.
This is a sister vessel to the S.S. "Die Monarch" Gls. Rpt No 21546 and S.S. "The Emperor" Gls Rpt No 21677.
The Surveyor should state the Number of Report and Name of any Sister Vessel, as above.
PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. or Break 101.33 ft., Bridge Dk. 10.49 ft., F'castle 33.5 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
+ 04 (80%) B.D. is joined to R.Q.D.
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) 1 St (80%)
Official No. ; Signal Letters State if Machinery is fitted aft yes.
How are the surfaces preserved from oxidation? Inside Cemented and Coated with paint Outside Coated with 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, 25.4 57
Double bottom, under Engines and Boilers, 7.7 10
Double bottom, if under Engines only,
Double bottom, if under Boilers only,
Double bottom, forward, in 2 Compts or divisions 99.0 145
Total capacity 145
* 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. 2717
Date 15.4.04
No. 128 in builder's yard
DAYS OF SURVEYS held while building
1904 April 4. 12. 16. 19. 20. 29. May 4. 12. 14. 24. 31. June 6. 21. 30. July 5. 7. 11. 21. 24
August 4. 17. 20. 22. 26. Sept 6. 19. 29. Oct 6. 10. 12. 14. 15. 18.
Total No. of Visits 33
The amount of Entry Fee £ 3 : : : Fees applied for, -1 NOV. 1904
Special £ 28 : 3 : Received by me, 11.11.04
Travelling Expenses, if any £ 2 : 8 : 6
State whether the Vessel has been built under Special Survey yes.
I am of opinion this Vessel should be Classed * 100 A 1. "well deck".
With, or without Freeboard, as condition of Class without.
Certificate to be sent to Glasgow
J. L. Di Pietro
Surveyor to Lloyd's Register of British and Foreign Shipping.
Committee's Minute Glasgow 31 OCT 1904
Character assigned + 100 A (Steel) Lloyd's & Co.
(Well deck)