

for 2 Dks., R.Q.Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

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

Date of completion of Report 20th May 1904

Date, First Survey 8th Dec 03

Port of Glasgow

Last Survey 16th May 1904

Rig 3 m. fore & aft Sch

Survey held at Glasgow

On the Steel Screw Steamer

MAIN

ONE OR TWO DECKED VESSEL

CLASS 100 A.1.

Master John McCorquodale

Year of appointment (1) As master in service of owner of present vessel: 1904 (2) As master of this vessel: 1904

Built at Iron

When built 1904 Launched 28.4.04

By whom built Mackie Thomson

Owners Main Colliery Co. Ltd

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

Residence Heath, South Wales

Port belonging to Cardiff

Destined Voyage If Surveyed while Building, Afloat, or in Dry Dock

TONNAGE under Tonnage Deck... 518.87
Do. of Poop 99.81
Do. of Raised Qr. 17.80
Do. of Bridge House 5.21
Do. of Forecastle 12.77
Do. of Houses on Deck 26.38
Do. of excess of Hatchways 34.14
Do. above Crown of Engine Room 741.81
Gross Tonnage 714.98
Less Crew Space 37.15
Net Tonnage 677.83
Do. of Crown of Engine Room 375.50
Do. of Navigation Spaces 15.49
Net Tonnage 286.84
Do. on Beam 312.66

WIDTH on Deck as Rule... 193 Feet, 10 1/2 Inches. BREADTH Moulded... 28 Feet, 10 Inches. DEPTH, ACTUAL... 11 Feet, 10 1/4 Inches. No. of Decks with Flat laid one. No. of Tiers of Beams one.

Dimensions of Ship per Register, Length, 195 breadth, 29 depth, 11.6 Moulded Depth, 14 ft. 1 ins. Round of Beam, Actual 7 1/4 ins.

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.		Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.
ME, Angles, E or L Bars, for length amidships... 7 3/4	3	10	7 3/4	3	10	KEEL, Bar or Side Plates depth and thickness	flat plate			Keel	
for at each end... 5 1/2	3	8 7/8	5 1/2	3	8 7/8	STEM, moulding and thickness	7 x 2			6 3/4 x 2	
in way of Double Bottoms at Solid Floors... 3	3	6	3	3	6	STERN-POST for Rudder do. do.	6 3/4 x 4 1/2			6 3/4 x 4 1/2	
" " at intermed. Btms. 3	3	6	3	3	6	" for Propeller... 6 3/4 x 4 1/2				6 3/4 x 4 1/2	
ing of Frames from centre to centre... 22		22			22	MAIN PIECE of Rudder, diameter at head	4 7/8			4 7/8	
ERSED FRAME, Angles... 3 2 1/2		3 2 1/2			3 2 1/2	do. at heel	3 7/8			3 7/8	
P FRAMING, depth of girder... 7 1/2		7 1/2			7 1/2	RUDDER, how constructed	Forging, and Single plate			12	
ORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships... 18 1/2		18 1/2			18 1/2	Can the Rudder be unshipped afloat?	Yes			20	
in way of Engines and Boilers... 6		6			6	KEELSONS AND STRINGERS.					
thickness at the ends of vessel... 6		6			6	CENTRE LINE KEELSON, Vertical Plates above floors, Through Plate, or Intercoastal Plate	3 1/2		8	3 1/2	8
depth at 1/2 the half breadth, as per Rule... 7 1/2		7 1/2			7 1/2	" Rider Plate... 7 1/2			8	7 1/2	8
height extended at the Bilges... 6		6			6	" Bulb Plate to Intercoastal Keelson... 7 1/2					
ORS & BRACKETS, in Cell Dble Bottoms						" Horizontal Plates on Floors... 3 1/2			7	3 1/2	7
Bar " state if flanged (top & bottom) 3 1/2		3 1/2			3 1/2	" Angles... 5			4	5	4
Spacing... 22		22			22	SIDE KEELSON, Angles, in Boiler space... 3 1/2			7	3 1/2	7
RE GIRDER, in Double Bottom, depth and thickness... 3 1/2		3 1/2			3 1/2	" Bulb or Plate above floors for... 10			5	4	10
" Angles, Top... 3 1/2		3 1/2			3 1/2	" Intercoastal Plate for Boiler space length... 3			7	3	7
" Bottom... 4 1/2		4 1/2			4 1/2	" Attached to outside plating with Angle... 3			3	3	7
GIRDERS, number on each side & thickness... 1		1			1	BILGE KEELSON, Angles... 3 1/2			7	3 1/2	7
" state if flanged (top & bottom) 3 1/2		3 1/2			3 1/2	" Bulb or Plate above floors for... 10			5	4	10
Angles... 3 1/2		3 1/2			3 1/2	" Intercoastal Plate for... 3 1/2			7	3 1/2	7
GIN PLATE, depth (exclusive of flange) and thickness... 25		25			25	" Attached to outside plating with Angle... 3 1/2			7	3 1/2	7
Angles to Outside Plating... 3 1/2		3 1/2			3 1/2	BILGE STRINGER Angles... 3 1/2			7	3 1/2	7
Floors... 3 1/2		3 1/2			3 1/2	" Bulb Plate for... 10			5	4	10
Height of Floors at the Bilges... 35		35			35	" Intercoastal Plate for... 3 1/2			7	3 1/2	7
R BOTTOM PLATING, breadth and thickness of Middle Line Strake... 56		56			56	" Attached to outside plating with Angle... 3 1/2			7	3 1/2	7
" thickness in Engine and Boiler space... 6		6			6	SIDE STRINGER Angles... 3 1/2			7	3 1/2	7
" Remainder in Holds... 3 1/2		3 1/2			3 1/2	" Bulb or Intercoastal Plate for... 10			5	4	10
IS, Main and Raised Quarter Deck, Angle, Bulb Angle, Plate or Tee Bulb... 5 1/2		5 1/2			5 1/2	" Attached to outside plating with Angle... 3 1/2			7	3 1/2	7
Angles on Upper Edge... 22		22			22	Main and Raised Quarter Deck Stringer Plate, breadth and thickness... 33			8 1/2	33	8 1/2
Spacing... 22		22			22	" Angle on ditto... 4 x 4			10	4 x 4	10
IS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb... 4 1/2		4 1/2			4 1/2	" Tie Plates, outside Hatchways... 4 x 4			10	4 x 4	10
Angles on Upper Edge... 4 1/2		4 1/2			4 1/2	" Diagonal Tie Plates on Bms. No. of Pairs... 4			4	4	4
Spacing... 4 1/2		4 1/2			4 1/2	" Main Dk° Iron or Steel for full Ing. full			9/16	full	9/16
IS, Hold, Plate or Tee Bulb... 4 1/2		4 1/2			4 1/2	" R. Q. Dk° Iron or Steel for full Ing. full			9/16	full	9/16
Angles on Upper Edge... 4 1/2		4 1/2			4 1/2	" Wood Deck, Material & thickness... 3" P.P.			3" P.P.	3" P.P.	3" P.P.
Spacing... 4 1/2		4 1/2			4 1/2	Lower Deck Stringer Plate, breadth and thickness... 25			7	25	7
IS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb... 4 1/2		4 1/2			4 1/2	" Angles on ditto, No... 3 x 3			7	3 x 3	7
Angles on Upper Edge... 4 1/2		4 1/2			4 1/2	" Tie Plates... 12			7/16	7	7/16
Spacing... 4 1/2		4 1/2			4 1/2	" Deck, Material and thickness... 3" P.P.			3" P.P.	3" P.P.	3" P.P.
IS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate or Tee Bulb... 4 1/2		4 1/2			4 1/2	Forecastle Deck Stringer Plate, brdth & theknss... 28			7/16	24	7/16
Angles on Upper Edge... 4 1/2		4 1/2			4 1/2	" Angle on ditto... 3 x 3			7	3 x 3	7
Spacing... 4 1/2		4 1/2			4 1/2	" Tie Plates... 7/16			7	7/16	7
IS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb... 4 1/2		4 1/2			4 1/2	" Deck, Material and thickness... Steel			7/16	Steel	7/16
Angles on Upper Edge... 4 1/2		4 1/2			4 1/2	" If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.					
Spacing... 4 1/2		4 1/2			4 1/2	BULKHEADS.					
IRS, In 'tween Decks, Size and Spacing						Number.	Thickness.	Horizontal.	Vertical.	Single or Double Frames.	Height up.
" Hold... 2 3/4		2 3/4			2 3/4	In Vessel.	Per Rule.	Size.	Spacing.	Size.	Spacing.
" Quarter, 'tween Dks., " " 3 1/8		3 1/8			3 1/8			Inches.	Inches.	Inches.	Inches.
" in Hold... 3 1/8		3 1/8			3 1/8	W.T. BULKHEADS 3	3	5 x 6	6 x 3	3 x 3	30
WEB FRAMES, In Fore Body, No. and Spacing						Partition " 7					
" Brdth. & Thickness... 15		15			15	Longitudinal " 2					
" No. of Side Stringers... 3		3			3	Are the outside Plates doubled two spaces of Frames in length? Yes					
WEB FRAMES, In E. & B. Space, No. & Spacing						Are the Sluice Valves and Watertight Doors in efficient working order? None fitted					
" Brdth. & Thickness... 15		15			15						
" No. of Side Stringers... 3		3			3						
WEB FRAMES, In After Body, No. and Spacing											
" Brdth. & Thickness... 15		15			15						
" No. of Side Stringers... 3		3			3						
" Size of Angles or Tee Bars to Web Frames											
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness											

WS83-0125-1/2

PLATING.										RIVETING.																																																																																																																																														
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.																																																																																																																																													
	AMIDSHIP.		FORWARD.		AFT.		Ordinary or Joggled?		RIVETS.		Double or Treble and for what Length.		STRAIPS.		IF LAPPED.																																																																																																																																									
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.																																																																																																																																								
FLAT PLATE KEEL	32	12	9	9	32	12	Double	5 1/4	7/8	3 3/8	Treble F&A	7/8	3 3/8																																																																																																																																											
GARBOARD OF A Strake ...	42 1/2	9	8	8	42	9		4 1/2	3/4	3 1/2	Treble 7/8	3/4	2 5/8			9	full																																																																																																																																							
State actual thickness in way of Double Bottom.																																																																																																																																																								
B " "		9	8	8		9																																																																																																																																																		
C " "		10	8	8		10																																																																																																																																																		
D " "		10	8	8		10																																																																																																																																																		
E " "		10	8	8		10																																																																																																																																																		
F " "		8	7	7		8																																																																																																																																																		
G Sheer ...	54	10	8	8	54	10						3/4	2 5/8			7 1/2																																																																																																																																								
H " "		8										3/4	2 5/8			9 + 7 1/2																																																																																																																																								
J " "		20 in way of quarter deck																																																																																																																																																						
K " "																																																																																																																																																								
L " "		Midship thickness from 1/2 aft to Collision bulkhead																																																																																																																																																						
M " "		frames doubled from 3/8 to Collision Bulkhead																																																																																																																																																						
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RAISED QUARTER DEK. SIDES		10		8			Double	4 1/2	3/4	3 1/2	Treble full	7/8	3 3/8			9	full																																																																																																																																							
BRIDGE SIDES		5									8 1/2	3/4	2 5/8	11 1/4	6																																																																																																																																									
FORECASTLE SIDES				5							8 1/2	3/4	2 5/8	11 1/4	6																																																																																																																																									
LENGTHS OF PLATING		eight frame spaces																																																																																																																																																						
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.? <i>Open Heart Process</i> <i>Dalziel, Blochorn, Halliday Calderbank</i> <i>Glasgow & Co. Lanarkshire</i>										Main Stringer Plate { Butts, treble riveted for <i>Half</i> length amidship. Straps, single, double or overlapped for full length amidship Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted? <i>T. & D.</i> Inner Bottom Plating, riveting of Edges <i>Double Single</i> Butts <i>8 1/2 Single</i> Centre Girder Butts, <i>Treble</i> riveted. Keelson Butts, <i>Treble</i> riveted. Frames, riveted through Plates with <i>7/8 + 3/4</i> in. Rivets, about <i>5 1/4 + 6 1/4</i> apart. Rivets, state whether of Iron or Steel <i>Iron</i>																																																																																																																																														
Has the Steel been tested as required by the Rules <i>Yes</i>																																																																																																																																																								
FRAMES extend in one length from <i>margin plate</i> to <i>margin plate</i> Hence to gunwale state if ordinary or joggled <i>ordinary</i>																																																																																																																																																								
REVERSED FRAMES on floors and frames extend from <i>across top of floors in 8 ft. 3 in. space</i> state if ordinary or joggled <i>ordinary</i>																																																																																																																																																								
and double bottom and across floor in <i>Peaks (no recesses on frame legs)</i>																																																																																																																																																								
MASTS, SPARS, &c.																																																																																																																																																								
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Rigging, Material and Size, Shrouds <i>Steel wire 3/4 in. 2 1/2 mizen 2 1/4 stays 7/16 in. 3/4 in. 7/16 in. 3/4 in. 7/16 in. 3/4 in.</i>																																																																																																																																																								
Sails. <i>one</i> Suit of										Sails and the following spare sails																																																																																																																																														
Equipment No. <i>11735-92</i> Letter <i>J</i>										Tonnage U.Dk. or Plating No. for Travers																																																																																																																																														
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Boats <i>Two lifeboats and one other</i>																																																																																																																																																								
Pumps, Number <i>three</i> Diameter of Barrel <i>4 1/2</i> State whether they are in efficient working order <i>Yes</i>																																																																																																																																																								
Windlass is <i>Hand & Steam by Emerson Walker & Thompson</i> Capstan <i>Steam fitted aft</i>																																																																																																																																																								
Engine Room Skylights.—How constructed? <i>Steel coverings leak top</i>																																																																																																																																																								
What arrangements for deadlights in bad weather? <i>Deck covers & bulls eyes</i>																																																																																																																																																								
Coal Bunker Openings.—How constructed? <i>Plate & angle</i> How are lids secured? <i>battered down</i> Height above deck? <i>36"</i>																																																																																																																																																								
Number of Scuppers, and number and dimensions of Freeing Ports, &c. <i>7 scuppers each side 3 freeing Ports each side F 3.3 x 1.6 A 2.9 x 1.4</i>																																																																																																																																																								
Ceiling in Holds, thickness and material <i>3 p. pine</i> Cargo Battens, thickness and material <i>6 x 2 x 4</i>																																																																																																																																																								
Cargo Hatchways.—How formed? <i>Plate & angle</i> Hatches.—If strong and efficient? <i>Yes</i>																																																																																																																																																								
State size No. 1 Hatch (Forward) <i>12.10 x 12.0</i> No. 2 Hatch <i>3 1/2.10 x 15.6</i> No. 3 Hatch <i>31.2 x 16.6</i> No. 4 Hatch <i>Bunker hatch</i>																																																																																																																																																								
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch <i>3 fore & afters in each hatch 3 cross beams in</i>																																																																																																																																																								
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Bulwarks, height above deck and description <i>F 4.6 aft 3.4</i> Steel plates Main Rail and Stays, material and size <i>M.R. 7 1/2 x 3/4 x 1/2</i>																																																																																																																																																								
The above is a correct description.																																																																																																																																																								
Builder's Signature (here only) <i>Mackie & Thompson</i> Surveyor's Signature <i>James Mackie</i> 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 the case)

M. 25-11-03 12-2-04 17-3-04 11-5-04 13-5-04 E. 15-2-04

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*

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

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. 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.) *Workman ship is good*

This vessel has been built in accordance with the approved plans, the Secretary's letters of the above dates, and in general conformity to the Rules for the class contemplated.

The approved midship section, Profile, Pumping plan, and four joggling reports are forwarded herewith

Slip plan & Rudder plan

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 *106'9* ft., Bridge Dk. *12'8* ft., F'castle *27'* 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

The Raised quarter deck is joined to bridge

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) *One deck steel and deep framing*

Official No. *115389*; Signal Letters

State if Machinery is fitted aft *Yes*

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 System*

Where fitted.	*Length. Feet.	Water Capacity. Tons.	*Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fore peak tank,		<i>75</i>
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After peak tank,		<i>12</i>
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft		<input checked="" type="checkbox"/>
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward		<input checked="" type="checkbox"/>
Double bottom, forward,	<i>115' 5"</i>	<i>187</i>	Other tanks, if fitted,		<input checked="" type="checkbox"/>

Total capacity *187*

(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. *3678*

Date *31/12/03*

No. *299* in builder's yard.

DATES of Surveys held while building

1903: Dec 5, 17, 23, 29. 1904: Jan 11, 12, 14, 17, 27, 29. Feb 1, 5, 7, 11, 16, 18, 24, 29. Mar 7, 14, 15, 17, 22, 23, 29. April 1, 5, 8, 12, 15, 20, 25. May 6, 13, 16

Total No. of Visits *35*

The amount of Entry Fee£ *3* :

Fees applied for,

30 MAY 1904

Special.....£ *32* : *4* :

Received by me,

Travelling Expenses, if any £ :

8. 6. 04

Certificates 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.I.*

Without Freeboard, as condition of Class

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

J. M. Shenna

Committee's Minute

Character assigned

Glasgow 30 MAY 1904

+ 100 A.I. (Steel) block & C.P.

When fee is paid

over



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Lloyd's Register Foundation

W583-0125 2/2