

1st 2 Dks. R.O. Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

TUES. JUN 18 1901

No. 13054

State if Report is also sent on the Machinery of the Vessel *Yes: Glasgow.*

Received at London Office,

Date of completion of Report *8th June 1901*

Port of *Greenock*

Date, First Survey *31st Oct 1900*

Last Survey *7th June 1901*

Survey held at *Port Glasgow*
On the *Steel Twin screw steamer*

REFORMER

Rig *Shoof*

Master *B. J. Ramsay*

Year of appointment *(1) As master in service of owner of present vessel: - 1901.
(2) As master of this vessel: - 1901.*

Built at *Port Glasgow*

When built *1901* Launched *19th April 1901*

By whom built *A. Rodger & Co.*

Owners *The River Plate Fresh Meat Co. Ltd.*

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

Residence *London*

Port belonging to *London*

TONNAGE under
Tonnage Deck *977.48*
Do. of Poop
Do. of Raised Or.
Do. of Break.
Do. of Bridge House
Do. of Forecastle
Do. of Houses on Deck
Do. of excess of Hatchways
Do. above Crown of
Engine Room
Gross Tonnage *1086.08*
Less Crew Space *60.11*
Less above Crown of
Engine Room
TONNAGE FOR FEES *955.67*
Less Engine Room
Less Navigation Spaces *470.84*
14.12

ONE OR TWO DECKED VESSEL.

CLASS *A.1. For River Purposes Only*

Half Breadth (moulded) *20.92*

Depth from upper part of Keel to top of Main Deck Bms. *14.37*
(with the normal round up of beam)

Girth of Half Midship Frame (as per Rule) *32.83*

1st Number *68.12*

Length on deck from after part of stem to fore part of stern post *228.83*

2nd Number *15587.89*

Proportions—Breadths to Length *5.46*

Depths to Length—Main Deck to top of Keel *15.93*

Destined Voyage *River Plate* and Surveyed while Building, Afloat, or in Dry Dock *Yes*

Register Tonnage as cut on Beam *541.01*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH, ACTUAL—Top of Floors to top of Main Deck Beams	Feet.	Inches.	No. of Decks with Flat laid	No. of Tiers of Beams
<i>228</i>	<i>10</i>		<i>41</i>	<i>10</i>		<i>11</i>	<i>8 1/2</i>		<i>One</i>	<i>One</i>

Dimensions of Ship per Register, Length, *230.2* breadth, *42.05* depth, *11.5* Moulded Depth, *13* ft. *6* ins. Round of Beam, Actual *10 1/2* ins.

FRAMING.						FORGINGS AND CASTINGS.					
FRAME, Angles, <i>1 1/2</i> or <i>2</i> Bars, for $\frac{1}{2}$ length amidships	Inches in Ship.	Inches in Ship.	Feet or 20ths in Ship.	Inches per Rule or as Approved.	Inches per Rule or as Approved.	KEEL, Bar or Side Plates, depth and thickness	Inches in Ship.	Inches in Ship.	Feet or 20ths in Ship.	Inches per Rule or as Approved.	Inches per Rule or as Approved.
Do. for $\frac{1}{2}$ at each end	<i>4</i>	<i>3</i>	<i>6</i>	<i>4</i>	<i>3</i>	STEM, moulding and thickness	<i>7 x 2 1/4</i>		<i>7 x 2 1/4</i>		<i>7 x 2 1/4</i>
Do. in way of Double Bottoms at Solid Floors	<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>	STERN-POST for Rudder do. do.	<i>7 x 2 1/4</i>		<i>7 x 2 1/4</i>		<i>7 x 2 1/4</i>
" " at intermdt. Bkts.						for Propeller <i>Propeller Bracket</i>	<i>8 x 2 1/2</i>		<i>8 x 2 1/2</i>		<i>8 x 2 1/2</i>
spacing of Frames from centre to centre		<i>24</i>		<i>24</i>		MAIN PIECE of Rudder, diameter at head	<i>5 1/2</i>		<i>5 1/2</i>		<i>5 1/2</i>
EVERSED FRAME, Angles	<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>	do. at heel	<i>4 3/8 x 4 1/4</i>		<i>4 x 4</i>		<i>4 x 4</i>
DEEP FRAMING, depth of girder						RUDDER, how constructed <i>Forged iron frame & single plate 15/20</i>					
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships		<i>17 1/2</i>	<i>6.5</i>	<i>17 1/2</i>	<i>6.5</i>	Can the Rudder be unshipped afloat? <i>Yes</i>					
" in way of Engines and Boilers		<i>17 1/2</i>	<i>7-8</i>	<i>17 1/2</i>	<i>7-8</i>	KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	Feet or 20ths in Ship.	Inches per Rule or as Approved.	Inches per Rule or as Approved.
" thickness at the ends of vessel		<i>15</i>	<i>5</i>	<i>8 1/4</i>	<i>5</i>	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	<i>12</i>	<i>8-7</i>		<i>12</i>	<i>8-7</i>
" depth at $\frac{1}{2}$ the half breadth, as per Rule		<i>35</i>		<i>35</i>		" Rider Plate	<i>9 1/2</i>	<i>8-7</i>		<i>9 1/2</i>	<i>8-7</i>
" height extended at the Bilges		<i>32</i>	<i>6</i>	<i>32</i>	<i>6</i>	" Bulb Plate to Intercoastal Keelson <i>Plate</i>	<i>7</i>		<i>7</i>		<i>7</i>
FLOORS & BRACKETS, in Cell Dble Bottoms						" Horizontal Plates on Floors	<i>4 1/2</i>	<i>3</i>	<i>7</i>	<i>4 1/2</i>	<i>3</i>
" state if flanged (top & bottom)		<i>24</i>		<i>24</i>		" Angles	<i>4 1/2</i>	<i>3</i>	<i>7</i>	<i>4 1/2</i>	<i>3</i>
" Spacing		<i>32</i>	<i>8</i>	<i>32</i>	<i>8</i>	SIDE KEELSON, Angles	<i>4 1/2</i>	<i>3</i>	<i>7</i>	<i>4 1/2</i>	<i>3</i>
CENTRE GIRDER, in Double Bottom, depth and thickness		<i>3 1/2</i>	<i>3 1/2</i>	<i>7</i>	<i>3 1/2</i>	" Bulb or Plate above floors for <i>Ing.</i>		<i>7</i>		<i>7</i>	
" Angles, Top	<i>4</i>	<i>4</i>	<i>8</i>	<i>4</i>	<i>4</i>	" Intercoastal Plate for <i>length</i>	<i>3</i>	<i>3</i>	<i>7</i>	<i>3</i>	<i>3</i>
" Bottom	<i>4</i>	<i>4</i>	<i>8</i>	<i>4</i>	<i>4</i>	" Attached to outside plating with Angle	<i>4 1/2</i>	<i>3</i>	<i>7</i>	<i>4 1/2</i>	<i>3</i>
DE GIRDERS, number on each side & thickness state if flanged (top & bottom)	<i>One</i>	<i>7</i>	<i>One</i>	<i>7</i>	" BILGE KEELSON, Angles <i>Double</i>	" Bulb or Plate above floors for <i>Ing.</i>					
" Angles <i>to floor</i>	<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>	" Intercoastal Plate for <i>length</i>					
RGIN PLATE, depth (exclusive of flange) and thickness		<i>30</i>	<i>6</i>	<i>30</i>	<i>6</i>	" Attached to outside plating with Angle					
" Angles to Outside Plating	<i>3</i>	<i>3</i>	<i>7</i>	<i>3</i>	<i>3</i>	BILGE STRINGER Angles					
" Floors	<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>	" Bulb Plate for <i>length</i>					
" Height of Floors at the Bilges		<i>32</i>		<i>32</i>		" Intercoastal Plate for <i>length</i>					
ER BOTTOM PLATING, breadth and thickness of Middle Line Strake		<i>33</i>	<i>7</i>	<i>33</i>	<i>7</i>	" Attached to outside plating with Angle	<i>4 1/2</i>	<i>3</i>	<i>7</i>	<i>4 1/2</i>	<i>3</i>
" thickness in Engine and Boiler space						SIDE STRINGER Angles <i>Double</i>	<i>4 1/2</i>	<i>3</i>	<i>7</i>	<i>4 1/2</i>	<i>3</i>
" Remainder in Holds		<i>6</i>	<i>3</i>	<i>6</i>	<i>3</i>	" Bulb or Intercoastal Plate for <i>whole Ing.</i>	<i>8 1/2</i>	<i>7</i>		<i>8 1/2</i>	<i>7</i>
MS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		<i>24</i>		<i>24</i>		" Attached to outside plating with Angle	<i>3</i>	<i>3</i>	<i>6</i>	<i>3</i>	<i>3</i>
" Angles on Upper Edge						Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<i>48</i>	<i>8</i>		<i>48</i>	<i>8</i>
Spacing						" Angle on ditto	<i>3 1/2 x 3 1/2</i>	<i>9</i>	<i>3 1/2 x 3 1/2</i>	<i>9</i>	
MS, 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* <i>Iron or Steel for whole Ing.</i>		<i>6</i>		<i>6</i>	
IS, Hold, Plate or Tee Bulb						" R. Q. Dk* <i>Iron or Steel for Ing.</i>					
" Angles on Upper Edge						" Wood Deck, Material & thickness					
Spacing						Lower Deck Stringer Plate, breadth and thickness					
IS, 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					
S, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb						Hold Stringer Plate					
" Angles on Upper Edge						" Angles on ditto, No.					
Spacing						Poop Deck Stringer Plate, breadth & thickness					
S, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb						" Angle on ditto					
" Angles on Upper Edge						" Tie Plates					
Spacing						" Deck, Material and thickness					
RS, In <i>between Decks</i> , Size and Spacing						Bridge or Pt. Awng. Deck Stringer Plate, breadth and thickness					
" Hold	<i>3</i>	<i>48</i>		<i>3</i>	<i>48</i>	" Angle on ditto					
" Quarter, <i>between Dks.</i>	<i>2 1/4</i>	<i>48</i>		<i>2 1/4</i>	<i>48</i>	" Tie Plates					
" In Hold	<i>Two</i>	<i>24</i>	<i>6</i>			" Deck, Material and thickness					
" HOLD						Forecastle Deck Stringer Plate, breadth & thickness					
FRAMES, In <i>Fore Body</i> , No. and Spacing						" Angle on ditto					
" Brdth. & Thickness						" Tie Plates					
" No. of Side Stringers						" Deck, Material and thickness					
WEB FRAMES, In <i>E. & B. Space</i> , No. & Spacing						Are the outside Plates doubled two spaces of Frames in length? <i>Yes.</i>					
" Brdth. & Thickness						Are the Sluice Valves and Watertight Doors in efficient working order?					
WEB FRAMES, In <i>After Body</i> , No. and Spacing											
" Brdth. & Thickness											
" No. of Side Stringers											
" Size of Angles or Tee Bars to Web Frames											
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness											

PLATING.										RIVETING.									
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.				IF LAPPED.			
		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		EDGES.		BUTTS.		IF LAPPED.					
		Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.				
FLAT PLATE KEEL		33	10	8	8	33	10	Double	33	10	Double	33	10	Double	33				
GARBOARD OF A STRAKE		34	9	7	7	34	9	Double	34	9	Double	34	9	Double	34				
B		60	6	5	5	60	6	Double	60	6	Double	60	6	Double	60				
C		54	6	5	5	54	6	Double	54	6	Double	54	6	Double	54				
D		60	7	6	6	60	7	Double	60	7	Double	60	7	Double	60				
E		52	7	6	6	52	7	Double	52	7	Double	52	7	Double	52				
F		54	7	6	6	54	7	Double	54	7	Double	54	7	Double	54				
G		44	7	6	6	44	7	Double	44	7	Double	44	7	Double	44				
H		36	10	8	8	36	10	Double	36	10	Double	36	10	Double	36				
J																			
K																			
L																			
M																			
N																			
O																			
P																			
DOUBLING OF PLATING		Doubled in way of broad hatchway 18'0" x 32' x 7/2"																	
Length and thickness of Sheerstrakes		Doubled in way of broad hatchway 18'0" x 32' x 7/2"																	
Length and thickness of Strake below		Doubled in way of broad hatchway 18'0" x 32' x 7/2"																	
PEER SIDES		Ten spaces																	
RAISED QUARTER DECK SIDES																			
BRIDGE SIDES																			
FORECASTLE SIDES																			
LENGTHS OF PLATING																			
<p>Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Booms, Keelsons, Tie and Stringer Plates, outside Plating, &c. <i>Siemens Martin process from Glasgow, Clydebank, Halliday, Lanarkshire, Glasgow, Parkhead and Calderbank.</i></p> <p>Has the Steel been tested as required by the Rules <i>Yes</i></p> <p>FRAMES extend in one length from <i>centre line</i> to <i>margin plate</i> state if ordinary or joggled <i>joggled</i></p> <p>REVERSED FRAMES on floors and frames extend from <i>centre line to margin plate</i> state if ordinary or joggled <i>ordinary</i></p> <p>plate side stringer and main deck alternate; double on floor in engine room space from bulkhead</p> <p>MASTS, SPARS, &c.</p> <p>Material. Total length. Diameter and thickness. No. of Plates in round. ANCHORS. Riveting. Butts.</p> <p>Fore <i>Pitch Pine</i></p> <p>Main <i>Pitch Pine</i></p> <p>Mizen <i>Pitch Pine</i></p> <p>Bowsprit</p> <p>Topmasts, Yards and Remainder of Spars <i>Pitch Pine</i></p> <p>Rigging, Material and Size, Shrouds <i>2 1/2 G.S.W.</i></p> <p>Sails. <i>One</i> Suit of <i>Sails and the following spare sails</i></p> <p>Equipment No. <i>15587</i> Letter <i>✓</i></p> <p>ANCHORS. Tonnage U.D.K. or Plating No. for Trawlers</p> <p>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.</p> <p>40408 1st Bower 23 0 7 <i>Stockless</i> 23 4 1 14 22 2 0 <i>Jaylors Patent</i> <i>J. Jaylors Sons Ltd 24/10/1901</i></p> <p>40412 2nd " 22 3 0 <i>do</i> 22 18 3 0 22 2 0 <i>do</i> <i>do 24/10/1901</i></p> <p>3rd " 45 3 7 <i>do</i> 45 0 0 <i>do</i> <i>do 24/10/1901</i></p> <p>4922 Stream 6 2 4 1 2 14 8 15 0 0 6 2 0 <i>Common</i> <i>do 24/10/1901</i></p> <p>Kedge</p> <p>CHAIN CABLES. HAWSERS AND WARPS.</p> <p>Number of Certificate. Length and size supplied. Test per Certificate. Weight of Chain Cable. Length and size per Table 22. Description. Makers of Cables. When and where tested and Superintendent. Material. Length and size supplied. Breaking Test of Steel Wire. Length and size per Table 22.</p> <p>15666 210 1 1/2 373 55 3 22 2 7 22 1 17 210 1 1/2 <i>Steel Wire</i> <i>J. Jaylors Sons Ltd 24/10/1901</i> <i>do 24/10/1901</i> <i>do 24/10/1901</i> <i>do 24/10/1901</i></p> <p>60 3 1/2 26 60 3 1/2 <i>Steel Wire</i> <i>by Webster & Co</i></p> <p>Boats <i>Three</i></p> <p>Pumps, Number <i>Three</i> Diameter of Barrel <i>4"</i> State whether they are in efficient working order <i>Yes</i></p> <p>Windlass is of <i>Steam</i> by <i>Emerson Walker & Thompson Bros.</i> Capstan of <i>Steam</i> by <i>Emerson & Co.</i> <i>Steam</i> winches</p> <p>Engine Room Skylights.—How constructed? <i>of teak on high casing</i></p> <p>What arrangements for deadlights in bad weather? <i>Solid teak shutters and bulls eyes</i></p> <p>Coal Bunker Openings.—How constructed? <i>Cast iron frames</i> How are lids secured? <i>lockings</i> Height above deck? <i>flush</i></p> <p>Number of Scuppers, and number and dimensions of Freeing Ports, &c. <i>Two scuppers each side</i></p> <p>Ceiling in Holds, thickness and material <i>2" White pine</i> Cargo Battens, thickness and material <i>Hold insulated</i></p> <p>Cargo Hatchways.—How formed? <i>of steel plates and angles</i> Hatches.—If strong and efficient? <i>Yes 2 1/2"</i></p> <p>State size No. 1 Hatch (Forward) <i>(2) 10'0" x 16'0" x 24"</i> No. 2 Hatch <i>6'0" x 32'0" x 24"</i> No. 3 Hatch</p> <p>Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch <i>One wood fore & after to No. 1 Hatchway, five wood fore and afters to No. 2 Hatchway</i></p> <p>No. of Breasthooks <i>Two</i> No. of Crutches <i>deep floors</i></p> <p>Bulwarks, height above deck and description <i>Open rails</i> Main Rail and stays, material and size <i>Iron handrails, stay chains</i></p> <p>The above is a correct description.</p> <p>Builder's Signature (here only) <i>A. Rodger Esq.</i> Surveyor's Signature <i>J. French</i> Surveyor to Lloyd's Register of British and Foreign Shipping.</p>																			

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with the case) *TUES. JUN 18 1901*

M. 18/9/00 27/9/00 28/9/00 3/10/00 28/10/01 E. 24/10/00

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed where practicable*

Is the riveted work properly closed? *Yes*

Are the liners between the frames and plates solid single pieces? *Joggled frames* 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? *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.) *This vessel has been built in accordance with the Rules and approved plans. The quality of the workmanship and material is good. Iron plates are embedded in the cement under each sounding pipe. The seams of main deck plating are joggled. Three forging reports attached.*

The hold of this vessel has been insulated with ground cork, capacity of cooling chamber 42460 cubic feet

The Refrigerating machinery has been supplied and fitted by *The Liverpool Refrigerating Co. "Duplex machine" Brine circulation Ammonia compression*

Pitch Pine logs are fitted on each side, and secured to deck, in way of each hatchway for the voyage to the River Plate

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) 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

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 Deck (Steel)*

Official No. *1*; Signal Letters *✓* State if Machinery is fitted aft *Yes*

How are the surfaces preserved from oxidation? Inside *by Triggs' Patent anti-rust enamel paint* Outside *by 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.			Fore peak tank.		78
Double bottom, under Engines and Boilers.			After peak tank.		
Double bottom, if under Engines only.			Deep tank, aft.		
Double bottom, if under Boilers only.			Deep tank, forward.		
Double bottom, forward.	138	296	Other tanks, if fitted.		

(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. *2084*

Date *8th Oct 1900*

No. *358* in builder's yard

DATES OF SURVEYS held while building

1900. Oct 31. Nov 2. 5. 7. 13. 15. 17. 20. 23. 20. Dec 4. 7. 12. 20. 24. 27. 31.

1901. Jan 8. 11. 16. 18. 23. 29. 31. Feb 5. 7. 8. 11. 13. 15. 20. 27. March 2. 7. 12. 14.

19. 21. 26. 28. 29. April 2. 4. 8. 9. 11. 17. 18. 19. May 1. 17. 24. June 4. 5. 6. 7.

Total No. of Visits *56*

The amount of Entry Fee *£ 3 : : :* Fees applied for, *10.6. 1901*

Special *£ 47 : 16 : :* Received by me, *J. French*

Travelling Expenses, if any *£ : : :*

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

I am of opinion this Vessel should be Classed *A.1. (Steel) For River Purposes only*

With, or without Freeboard, as condition of Class

Committee's Minute *Glasgow. 17 JUN 1901*

Character assigned *A1 (Steel) For River purposes only. J.L.C.*

The Surveyor is requested not to write on or below the Committee's Minute.

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