

3 Decks.

IRON OR STEEL STEAMER.

No. 17324

Date of completion of report *Sept 15* State if Report is also sent on the Machinery of the Vessel *Yes*
Survey held at *Glasgow* Port of *Glasgow* Received at London Office *20 SEP 1899*
On the *Twin Screw Steel Steamer* Date, First Survey *Aug 30 1898* Last Survey *Sept 11 1899*
TONNAGE under Tonnage Deck... *7024.05* THREE DECKED VESSEL.
Do. between Tonnage Dk. and 3rd and 4th Dk. *7024.05* CLASS *100A Steel*
Total under Upper Dk. *7024.05*
Do. of Poop
Do. of Bridge House
Do. of Forecastle *53.32*
Do. of Houses on Dk. *198.56*
Do. of excess of Hatchways
Do. above Crown of Engine Room *69.34*
Gross Tonnage *7345.27*
Less Crew Space *215.96*
Less above Crown of Engine Room *69.34*
TONNAGE FOR FEES.. *7060.03*
Less Engine Room *2350.49*
Less Navigation Spaces *44.53*
Register Tonnage *4734.35*
as cut on Beam

Master *W. Owen*
Year of appointment *1899*
Built at *Glasgow*
When built *1899* Launched *July 11*
By whom built *A. Stephen & Sons*
Owners *Alfred Lewis Jones*
Managers *Elder Dempster & Co*
(Where necessary to be entered in Reg. Book.)
Residence *Liverpool*
Port belonging to *Liverpool*

Half Breadth (moulded) *29.37*
Depth from upper part of Keel to top of Upper Deck Beams *34.72*
Girth of Half Midship Frame (as per Rule) *58.66*
122.75
deduct 7 feet *7.0*
1st Number *115.75*
Length *482.91*
2nd Number *55896*
Proportions—Breadth to Length *8.2*
Depth to Length—Upper Deck to top of Keel *13.9*
Main Deck ditto *13.9*
Destined Voyage *New Orleans* If Surveyed while Building *Afloat, or in Dry Dock*

LENGTH on Deck Feet. Inches. BREADTH—Feet. Inches. DEPTH top of Floor to Upper Deck Beams Feet. Inches. Power of Horse. No. of Decks with flat laid 2 + shells or
as per Rule 482 11 Moulded 58 9 Do. do. Main Deck Beams 30 63/64 Engines 660 No. of Tiers of Beams 2 + web frames
Dimensions of Ship per Register, Length 485.0 breadth 59.0 depth 30.5 Moulded depth, ft. 33 ins. 6 To Upper Dk. Beam, Upper Dk. 143 1/4 ins.

FRAMING.				FORGINGS OR CASTINGS.				KEELSONS & STRINGERS.			
Inches in Ship.				Inches in Ship.				Inches in Ship.			
Inches in Ship.				Inches in Ship.				Inches in Ship.			
FRAME, Angles, or 7. C or E Bars for 1/2 length amidships				KEEL, Bar or Side Plates, depth and thickness				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
Do. for 1/2 at each end				STEM, moulding and thickness				Bulb Plate to Intercoastal Keelson			
Do. in way of Double Bottoms at Solid Floors				STERN-POST for Rudder do. do.				Horizontal Plates on Floors			
at intermediate Plats.				" for Propeller				Angles			
Distance of Frames from moulding edge to moulding edge, all fore and aft				MAIN PIECE of Rudder, diameter at head				SIDE KEELSON, Angles			
REVERSED FRAME, Angles				" do. at heel				Bulb or Plate above floors, for lng.			
DEEP FRAMING, depth of girder				RUDDER, how constructed				Intercoastal Plate, for length			
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships				Can the Rudder be unshipped afloat?				Attached to outside Plating with Angle			
" in way of Engines and Boilers				" "				BILGE KEELSON, Angles			
" thickness at the ends of vessel				" "				Bulb or Plate above floors, for lng.			
" depth at 1/2 the half breadth, as per Rule				" "				Intercoastal Plate for length			
" height extended at the Bilges				" "				Attached to outside Plating with Angle			
FLOORS & BRACKETS in Cell Dble Bottoms				" "				BILGE STRINGER Angles			
" Distance apart				" "				Bulb Plate for length			
CENTRE GIRDER, in Double bottom, depth and thickness				" "				Intercoastal Plate for length			
" Angles, Top				" "				Attached to outside Plating with Angle			
" Bottom				" "				SIDE STRINGER Angles			
SIDE GIRDERS, number and thickness				" "				Bulb or Intercoastal Plate, for full lng.			
" Angles				" "				Attached to outside plating with Angle			
MARGIN PLATE, depth (exclusive of flange) and thickness				" "				Upper Deck Stringer Plates, br'dth & thickness			
" Angles				" "				Angle on ditto			
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake				" "				Tie Plates fore and aft, outside Hatchways			
" " in Engine and Boiler space				" "				Deck * Iron or Steel, for full lng.			
" " Remainder in Holds				" "				Wood Deck, Material and thickness			
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb				" "				Middle Deck Stringer Plate, br'dth & thickness			
" Angles on upper edge				" "				Angles on ditto, No.			
Average space				" "				Tie Plates outside Hatchways			
BEAMS, Middle Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb				" "				Diagonal Tie Plates on Bms, No. of prs.			
" Angles on upper edge				" "				Deck * Iron or Steel, for full lng.			
Average space				" "				Wood Deck, Material and thickness			
BEAMS, Lower Deck, Single Angle, Bulb, Angle, Plate or Tee Bulb				" "				Lower Deck Stringer Plate, br'dth & thickness			
" Angles on upper edge				" "				Angles on ditto, No.			
Average space				" "				Tie Plates, outside Hatchways			
BEAMS, Bridge Deck, Angle, Bulb, Angle, Plate or Tee Bulb				" "				Deck * Material and thickness			
" Angles on upper edge				" "				Hold, or Orlop Stringer Plate, br'dth & thkn's			
Average space				" "				Angles on ditto, No.			
BEAMS, Hold, or Orlop, Plate or Tee Bulb				" "				Tie Plates outside Hatchways			
" Angles on upper edge				" "				Deck, Material and thickness			
Average space				" "				Poop Deck Stringer Plate, breadth & thickness			
BEAMS, Poop Deck, Angle, Bulb, Angle, Plate or Tee Bulb				" "				Angle on ditto			
" Angles on upper edge				" "				Tie Plates			
Average space				" "				Deck, Material and thickness			
BEAMS, Forecastle Deck, Angle, Bulb, Angle, Plate or Tee Bulb				" "				Bridge Deck Stringer Plate, br'dth & thickness			
" Angles on upper edge				" "				Angle on ditto			
Average space				" "				Tie Plates			
PILLARS, In 'tween Deck, size and spacing				" "				Deck, Material and thickness			
" Hold				" "				Forecastle Deck Stringer Plate, br'dth & th'kn			
" Quarter 'tween Dks., 1" for 3 1/4 L				" "				Angle on ditto			
" in Hold				" "				Tie Plates			
WEB-FRAMES, In Fore Body, No. and spacing br'dth. & thickness				" "				Deck, Material and thickness			
" No. of Side Stringers				" "				Poop Deck Stringer Plate, br'dth & th'kn			
WEB-FRAMES, In E. & B. Space, No. & spacing br'dth. & thickness				" "				Angle on ditto			
WEB-FRAMES, In After Body, No. and spacing br'dth. & thickness				" "				Tie Plates			
" No. of Side Stringers				" "				Deck, Material and thickness			
" Size of Angles or Tee Bars to Web-Frames				" "				Forecastle Deck Stringer Plate, br'dth & th'kn			
BRACKET PLATES to Stringers between Web Frames, depth and thickness				" "				Angle on ditto			
" "				" "				Tie Plates			
" "				" "				Deck, Material and thickness			

17324 GFS PLATING.

RIVETING.

STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.							
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.	
	Inches.	1/2 or 20ths	1/2 or 20ths	1/2 or 20ths	Inches.	1/2 or 20ths			Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.	Feet.	
FLAT PLATE KEEL	42	23	15	16	42	23	Stle	6	1	4 7/8	Stle	1	3 1/2	19	16+14	Stle	Strops	
(If Dow Keel, state Riveting)																		
GARBOARD OR A Strake ...	56	17	14	15	56	17	Stle	6	1	4 7/8	do	1	3 1/2	19	12+11	do	do	
State actual	B	14	13	13		14	Stle	6	1	4 7/8	Quad	1	4	-	-	14	full	
thickness in	C	14	13	14		14	Stle	6	1	4 7/8	Quad	1	4	-	-	14	full	
way of Double	D	14	13	13		14	Stle	6	1	4 7/8	Quad	1	4	-	-	14	full	
Bottom.	E	15	13	13		14	Stle	6	1	4 7/8	Quad	1	4	-	-	14	full	
	F	16	13	14		15	Stle	6	1	4 7/8	Quad	1	4	-	-	14	full	
	G	16	13	13		15	Stle	6	1	4 7/8	Quad	1	4	-	-	14	full	
	H	15	13	13		15	Treble 9	1	4 3/4	Quad	1	4	-	-	14	full		
	J	15	11	12		15	Stle do	9	1	4 3/4	Quad	1	4	-	-	14	full	
	K	15	11	12		15	Stle	6	1	4 7/8	Quad	1	4	-	-	14	full	
	L	15	11	12		15	Stle	6	1	4 7/8	Quad	1	4	-	-	14	full	
	M	15	11	12		15	Stle	6	1	4 7/8	Quad	1	4	-	-	14	full	
	N	15+18	11	12		15+18	Stle	6	1	4 7/8	Treble	1	3 1/2	19	13+11	Stle	Strops	
Sheer or	O	48	18+21	13	13	48	18+21	Stle	6	1	4 7/8	Treble	1	3 1/2	19	15+13	do	do
	P		15+16			15		Stle	6	1	4 7/8	Treble	1	3 1/2	-	20	10 1/2	full
	Q		16+17			15		Stle	6	1	4 7/8	Treble	1	3 1/2	-	-	10 1/2	full
	R																	
* In way of upper Bridges.																		
DOUBLING of Flat Plate Keel																		
Length and thickness	In way of openings in topsides																	
POOP SIDES					9	9	Single	3	1	4 7/8	Stle	3/4	25/8	-	-	5		
BRIDGE SIDES																		
FORECASTLE SIDES					9	9	Single	3	1	4 1/2	Stle	3/4	25/8	-	-	5		

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 Process. Dabell's Chisbridge
Lanarkshire

Upper Deck Butts, treble riveted for half 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?
Inner Bottom Plating, riveting of Edges Stle & Single Butts Stle
Centre Girder Butts, Stle riveted Keelson Butts, Stle riveted.
Frames, riveted through Plates with 1 in. Rivets, about 5 1/2" apart.
Rivets, state whether Iron or Steel Iron

FRAMES extend in one length from middle line to margin plate & from margin plate to shell-plate.
REVERSED FRAMES on floors and frames extend from mid line to margin plate & from margin plate to shell-plate for 3 1/2" (channel frames) & to upper deck at end. All reversed frames to shell-plate for as rep.

MASTS, SPARS, &c.

		Material.	Total Length to Lark.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
				At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.....	Fore	Steel	97.6	28 x 9	25 x 9	23 x 7	7/20	3	-	-	Single	Double
	Main	do	100.6	29 x 20	26 x 20	24 x 8	9/20	3	-	-	do	do
	Mizen	do	100.0	29 x 20	22 x 8	24 x 8	9/20	3	-	-	do	do
Bowsprit.....	Jigger	do	95.0	27 1/2 x 20	20 x 20	22 x 20	7/20	3	-	-	do	do
Topmasts, Yards and Remainder of Spars Steel & Pine												
Rigging, Material and Size, Shrouds Laid Steel Wire F. In. 4 1/2 Jigger 4" Stays F. In. 4 1/2 Jigger 4"												
Sails. One Suit of working Sails, and the following spare sails												

EQUIPMENT No. 66686 LETTER d+. ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQ. BY RULE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
36740	1st Bower ...	82	2	14	Stockless			60	0	0	0	82	2	0	Bjers Patent Reliance	H. L. Bjers & Co	Sts 10/3/99 H. T. Welford
36742	2nd " ...	80	2	14	do			59	0	0	0	82	2	0	do	do	do do do
36741	3rd " ...	72	1	14	do			55	0	0	0	70	0	0	do	do	do do do
	Collective weight	235	2	14								235	0	0	do	do	do do do
12097	Stream	22	0	14	5 2 0			22	9	1	14	22	0	0	Rodgers	H. Wood & Co	Ches 13/4/99 A. S. Jack
12098	Kedge	11	0	0	2 3 16			12	17	2	0	11	0	0	do	do	do do do
	2nd Kedge ...																

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate, Tons.	WEIGHT OF CHAIN CABLE		Fathoms and Size per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.
				Supplied.	Per Rule.									
6924	150	2 1/2	15 1/2	112 1/2	936.0	8936.0	300.2 3/16	Stle H. Wood & Co	14/6/99 Ches A. S. Jack	TOWLINE	130	6	85	130-6
6930	150	2 1/2	do					do	9/6/99 do do	HAWSER	90	4 1/2	39	90-4 1/2
										WARP	90	3 1/2	26	90-3 1/2
Iron Strong Chain or Steel Wire	120	5 1/2	65			120-5 1/2	Steel Wire				4-90	8	manila	
											4-90	7	do	

Boats 6 Boats
Pumps, Number 1-7 Downlon pump & 1-4 hand pump Diameter of Barrel and Tail Pipe 7" Barrel & 3 1/2" tail pipe. 4" x 2" in peak.
Windlass is Clarke Chapman & Co's Patent Capstan
Engine Room Skylights.—How constructed? Steel on Steel Casings
What arrangements for deadlights in bad weather? Steel Shutters & bulls-eyes
Coal Bunker Openings.—How constructed? Angles How are lids secured? By Ballens Height above deck? 4" under shell-plate
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 10 Scuppers on each side
Ceiling in Holds, thickness and material at Wings & under Hatchways 2 1/2" PP Ceiling 'tween Decks, thickness and material 2" WP
Cargo Hatchways.—How formed? Plates & angles. Hatches, If strong and efficient? Yes - 3
State size No. 1 Hatch (Forward) 15.0 x 13.0 x 12" No. 2 Hatch 17.6 x 16.0 x 12" No. 3 Hatch 25.0 x 16.0 x 12" No. 4 Hatch 15.0 x 16.0 x 12"
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 7 15.0 x 16.0 x 12" 8 15.0 x 16.0 x 12"
1 web in No. 1-2, 4, 7 & 8 Hatchways 2 webs in No. 3, 5 & 6 Hatchways Three fore & afters in No. of Breasthooks Eight No. of Crutches One & deep floors &c.
Bulwarks, height above deck and description Shell-plate plating, stringer & one strake of Main Rail material and size
The above is a correct description.
Builder's Signature (here only) W. J. Stephens Sons, Surveyor's Signature Thomas Warren, J. R. Mott
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) *11/1/98, 14/6/98, 7/7/98, 17/8/98, 17/8/98, 24/10/98, 14/11/98, 24/2/99 M. 26/10/98 E.*

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

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 plating? *A few only*

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

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 referred to, and in general conformity with the requirements of the rules for the class contemplated.

Web frames are fitted between rind supports as per plan.

The hand pumps, decks, & watertight doors have been tested as required & found satisfactory.

This vessel is fitted with an installation of Electric Light.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *81.0* ft., R.Q.D. or Break _____ ft., Bridge Dk. _____ ft., F'castle *388* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Bridge & fore-castle combined, & shelter*

On Shunter plate & one shake of deck plating continued over well at after end.

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 (Steel) & web frames & pl. deep framing, & Shelter Dk (Steel)*

Official No. _____; Signal Letters _____

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

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	172½	526	Fore peak tank,	—	—
Double bottom, forward,	188½	702	After peak tank,	—	75
Double bottom, under Engines and Boilers,	65	349	Midship deep tank, <i>for</i>	30	990
Double bottom, if under Engines only,			Other tanks, if fitted, <i>etc</i>	32½	908
Double bottom, if under Boilers only,		1577	(If necessary, furnish further information by sketch.)		

State whether the above have been tested as required by the Rules *Yes*

Order for Special Survey No. *3253* Date *26/7/98*

Order for Ordinary Survey No. _____ Date _____

No. *383* in builder's yard.

DATES of Surveys held while building as per Section 18.

1st. On the several parts of the frame, when in place, and before the plating was wrought *1898 Aug 30, Sept 1, 13, 15, 20, 27, 29, Oct 4, 6, 11, 13, 18, 20, 24, 28*

2nd. On the plating during the process of riveting *Nov 7, 10, 16, 18, 22, 25, 29, Dec 2, 5, 9, 12, 14, 21, 23, 29, 1899 Jan*

3rd. When the beams were in and fastened, and before the decks were laid *12, 19, 23, 26, 31, Feb 2, 8, 13, 17, 21, 23, 28, Mar 3, 7, 9, 14, 16, 20, 27, 30 April*

4th. When the ship was complete, and before the plating was finally coated or cemented *4, 7, 11, 14, 18, 21, 26, 28 May 1, 2, 3, 8, 10, 15, 17, 19, 24, 26, 31*

5th. After the ship was launched and equipped *June 5, 8, 13, 15, 20, 22, 27, 30 July 4, 6, 7, 11, 25, Aug 4*

Total No. of Visits *91*

The amount of Entry Fee £ *5* : : : Fees applied for, *9/9/1899*

Special Survey Fee £ *20* : *10* : : Received by me, *12/9/1899 J.C.B.*

Travelling Expenses, if any £ : : :

Certificate to be sent to *Glasgow.*

I am of opinion this Vessel should be Classed *100A-1 "Steel"*

With, or without Freeboard, as condition of Class *without.*

Thomas Warren, J.P. R.N.
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

FRI 22 SEP 1899

Character assigned

100A-1 Steel
Shelter Dk
a top
+ 2 mcg, 99



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Lloyd's Register

GLS185-0130-021210

GLS. 17324

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