

1 or 2 Decks. ~~2~~ **IRON OR STEEL STEAMER.**

Received at London Office

State if Report is also sent on the Machinery of the Vessel *No. To be sent from Dundee*

Date of completion of Report *September 25 1891* Port of *Aberdeen*

No. *4246* Survey held at *Aberdeen* Date, First Survey *March 12 1891* Last Survey *September 25 1891*

On the *L.P. Goller*

Rig *Fore & aft sails 3 Mast Sx*

NAME under *ONE DECKED VESSEL.*

Master *Robert Thomson*

CLASS *100 A1*

Year of appointment *1891*

Built at *Aberdeen*

When built *1891* Launched *Sept 1891*

By whom built *Messrs J. Guthrie & Co.*

Owners *Messrs R. Thomson*

Managers

Residence *9 Finchchurch Avenue London*

Port belonging to *London*

On Deck
House
Hatchways
To
Stowage
Space
Room
Gation Spaces
Master Tonnage
as cut on Beam

Half Breadth (moulded) *11.5*
Depth from upper part of Keel to top of Main Deck Bms. *13.2*
Girth of Half Midship Frame (as per Rule) *21.3*
1st Number *46*
Length *145*
2nd Number *6640*
Proportions—Breadths to Length *6.53*
Depths to Length—Main Deck to top of Keel *10.9*
Destined Voyage *Coasting*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH—Top of Floors to Main Deck Beams	Feet.	Inches.	Power of Engines	Horse.	No. of Decks with Flat laid	No. of Tiers of Beams
<i>145</i>			<i>23</i>			<i>12</i>		<i>2</i>			<i>One</i>	

Dimensions of Ship per Register, Length, *145.5* breadth, *23.15* depth, *12.05*.

Moulded Depth, ft. *12* ins. *9* Round of Beam *6 1/2* inches.

FORGINGS AND CASTINGS.

KEEL, Bar or Side Plates depth and thickness *4 x 1 1/2*
STEM, moulding and thickness *6 1/2 x 1 1/2*
STERN-POST for Rudder do. do. *6 1/2 x 3*
MAIN PIECE of Rudder, diameter at head *4*
do. at heel *2 1/2*
RUDDER, how constructed *Forged & plated*
Can the Rudder be unshipped afloat?

FRAMING.

FRAME, Angles, *or 7* Bars, for $\frac{1}{2}$ length amidships
Do. for $\frac{1}{2}$ at each end
Do. in way of Double Bottoms
Distance of Frames from moulding edge to moulding edge, all fore and aft
REVERSED FRAME, Angles
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships
in way of Engines and Boilers
thickness at the ends of vessel
depth at $\frac{1}{2}$ the half breadth, as per Rule
height extended at the Bilges
FLOORS & BRACKETS, in Cell Dble Bottoms
Distance apart
CENTRE GIRDER, in Double Bottom, depth and thickness
Angles, Top Bottom
SIDE GIRDERS, number and thickness
Angles
MARGIN PLATE, depth (exclusive of flange) and thickness
Angles
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake
thickness in Engine and Boiler space
Remainder in Holds
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb
Angles on Upper Edge
Average space
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb
Angles on Upper Edge
Average space
BEAMS, Hold, Plate or Tee Bulb
Angles on Upper Edge
Average space
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb
Angles on Upper Edge
Average space
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb
Angles on Upper Edge
Average space
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb
Angles on Upper Edge
Average space
PILLARS, in 'tween Decks, Size and Spacing
Hold
WEB FRAMES, in Fore Body, No. and Spacing
No. of Side Stringers
WEB FRAMES, in After Body, No. and Spacing
No. of Side Stringers
Size of Angles or Tee Bars to Web Frames
ST PLATES to Stringers between Web Frames, Depth and Thickness

KEELSONS AND STRINGERS.

CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate
Rider Plate
Bulb Plate to Intercoastal Keelson
Horizontal Plates on Floors
Angles
SIDE KEELSON, Angles
Bulb or Plate above floors for length
Intercoastal Plate for length
Attached to outside plating with Angle
BILGE KEELSON, Angles
Bulb or Plate above floors for length
Intercoastal Plate for length
Attached to outside plating with Angle
BILGE STRINGER Angles
Bulb Plate for length
Intercoastal Plate for length
Attached to outside plating with Angle
SIDE STRINGER Angles
Bulb or Intercoastal Plate for length
Main and Raised Quarter Deck Stringer Plate, on ends of Beams, breadth & thickness
Angle on ditto
Tie Plates fore & aft, outside Hatchways
Diagonal Tie Plates on Bms, No. of Pairs
Flat of Deck* Material and thickness
Wood Material & thickness
How fastened to Beams
Lower Deck Stringer Plate, on ends of Beams, breadth and thickness
Angles on ditto, No.
Tie Plates, outside Hatchways
Flat of Deck* Material and thickness
How fastened to Beams
Hold Stringer Plate, on ends of Beams, breadth & thickness
Angles on ditto, No.
Poop Deck Stringer Plate, breadth & thickness
Angle on ditto
Tie Plates
Flat of Deck, Material and thickness
Bridge Deck Stringer Plate, breadth & thickness
Angle on ditto
Tie Plates
Flat of Deck, Material and thickness
Forecastle Deck Stringer Plate, breadth & thickness
Angle on ditto
Tie Plates
Flat of Deck, Material and thickness

PLATING.

FLAT PLATE KEEL, breadth and thickness
d'bling or incr'd thickness, & length appl.
PLATES in Garboard Strakes, breadth & thickness
From Garboard to lower part of Bilges
Bilges, number of Strakes and thickness
Of doubling at Bilge, or increased thickness and length applied
from up. part of Bilge to l. edge of Sh'strake
Sheerstrake, breadth and thickness
Of d'bling at Sh'stk. & lng. applied
Poop Sides
Raised Quarter Deck Sides
Bridge Sides
Forecastle Sides
Lengths of Plating

* If iron or steel thick, state if, where on plate, and if wood deck in hold thereon.

ABU10-0229 (1/2)

4276 Abn

BULKHEADS.				No. in Vessel	No. Req'd. by Rule				
Ceiling betwixt Decks, thickness and material				Thickness.	Angles.	Spacing.	Height up.	Sngl. or Dbl. Frames.	
in hold do. do. 2 1/2" Pine				W. T. BULKHEADS	5/32	Vrtcl. 3 x 3 x 20	30"	3 to deck (aft to	all frames
						Hzntl. 3 x 3 x 20	4 ft.	Watertight flat & thence to dk	
Number of Breasthooks 4				PARTITION....	Vrtcl.				
Crutches deep floors & transoms				LONGITUDINAL	Hzntl.				

Are the outside Plates doubled two spaces of Frames in length? *Yes*

The FRAMES extend in one length from *Keel* to *gunwale* Riveted through Plates with *3/4* in. Rivets, about *5* apart

The REVERSED ANGLE on floors and frames extend from *Middle line to gunwale & stringer below alternately*

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.

Garboard, double riveted to Bar Keel ~~or Flat Plate Keel~~, with rivets *single* in diameter, averaging *5* ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets *3/4* in. diameter, averaging *3* ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, treble ~~or~~ double riveted; treble for *whole* length; with rivets *3/4* in. dia., averaging *2 5/8* ins. from cr. to cr.

" " " overlapped for *whole* length, treble riveted for *whole* length; with rivets *3/4* in. dia., averaging *2 5/8* ins. from cr. to cr.

Butts of *all* Strakes at Bilge for *whole* length, treble riveted with Butt Straps *lapped* thicker than the plates they connect.

Edges from Bilge to Sheerstrake, worked clencher, ~~double~~ single riveted; with rivets *3/4* in. diameter, averaging *3* ins. from centre to centre.

Butts from Bilge to Sheerstrake, worked carvel, ~~treble~~ double riveted; treble for *whole* length; with rivets *3/4* in. dia., averaging *2 5/8* ins. from cr. to cr.

" " " overlapped for *whole* length, treble riveted for *whole* length; with rivets *3/4* in. dia., averaging *3* ins. from cr. to cr.

Edges of Sheerstrake, double ~~or~~ single riveted. Butts of Sheerstrake, treble riveted for *at break* length amidships.

Butts of Main Stringer Plate, treble riveted for *whole* length amidships. Single ~~or~~ Double Butt Straps to Stringer Plate for *whole* length.

Butts of Inner Bottom Plating riveted for *whole* length. Butts of Centre Girder riveted.

Breadth of edge laps of Shell Plating in double riveting *4 3/4* Breadth of edge laps of Shell Plating in single riveting *2 3/4*

Butt Straps of Shell Plating breadth and thickness *8 1/2 to 14 1/2; 3/4 to 20* Butts, if Lapped, breadth of laps *7 1/2*

Butt Straps of Keelsons, Stringer and Tie Plates, treble or double riveted? *Treble & double riveted*

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Beams, Keelsons, Tie and Stringer Plates, Outside Plating, &c.? *Siemens-Martin, Bessemer, Newton, & Mossend*

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*

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? *very few*

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

MASTS, SPARS, &c.

	Material.	Total Length	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Fore	P. Pine	45 ft.	15	13	13 1/2	6 3/4					
LOWER MASTS....											
Main	P. Pine	47 ft.	15	13	13 1/2	6 3/4					
Mizen	P. Pine	29 ft.	14	10 1/2	9 1/2	5 3/4					

Bowsprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds *Manila & Wire 2 1/2" Shrouds*Sails. *One* Suit of *Fore & aft* Sails, and the following spare sails *Stays 2 1/2" double & 3" Back stays 2 1/2"*

EQUIPMENT No. 4253 LETTER F ANCHORS.

Number of Certificate.		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.	Cwts.	qrs.	lbs.			
12452	1st Bower ..	4	2	21	1	3	14	9	18	0	4	1		Common	J. Albot & Co	Low Walker 15/5/91
12453	2nd " ..	4	1	4	1	3	14	9	11	2	4	1				
	3rd " ..															
	Collective weight	15									14	2				
12458	Stream	2	1	4	1	2	1	4	14	2	2	1				25/5/91
	Kedge	1			1						1					
	2nd Kedge ..															

CHAIN CABLES.

HAWERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	Weight of Chain Cable			Fathoms & Size. Per Rule.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Fathoms	Size.	Fathoms & Size. Per Rule.
				Cwts.	qrs.	lbs.								
6259	165	1"	24.18	89	13	26	16.5 fath. 1"	Stud link of Albot & Co	Low Walker 22/5/91	Low Walker 22/5/91	LOWLINE	75	2 1/2	75 1/2
											Hawser	75	2 1/2	90 5/8
Iron Steam Chain or Steel Wire	4.5	1 1/2					4.5 1 1/2							
Towline if steel wire														

Boats *Two life boats and another*Pumps, Number *Two* Diameter of Barrel and Tail Pipe *5 1/2" x 3"*The Windlass is *Good* Capstan *✓*Engine Room Skylights.—How constructed? *Wood on Iron*What arrangements for deadlights in bad weather? *Slide rods & pins*Coal Bunker Openings.—How constructed? *Iron coverings* How are lids secured? *clats & battens* Height above deck? *12"*Number of Scuppers, and number and dimensions of Freeing Ports, &c. *One main dk. 2 Scuppers & 2 ports 2' 11" x 1' 7/2"**R & D* *do* *3* *do* *do*Cargo Hatchways.—How formed? *W. Iron coverings 1/2" thick* Hatches, if strong and efficient? *3" solid*State size No. 1 Hatch (Forward) *21' 0" x 12' 0"* No. 2 Hatch *15' 4" x 9' 11"* No. 3 Hatch *✓* No. 4 Hatch *✓*Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *No. 1. Two deep webs and one fore & after**No. 2. One deep web plate and one fore & after*Bulwarks, height above deck and description *3 ft. iron* Main Rail, material and size *amrl. slm 7 x 2 3/4"*

The above is a correct description.

Builder's Signature, (here only.)

Surveyor's Signature,

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

4276 Aln

Order for Special Survey No. 653
Date Jan 16 1891
Order for Ordinary Survey No. 144
Date in builder's yard
1st. On the several parts of the frame, when in place, and before the plating was wrought } 1891. March 12, 16, 19, 23, 26 April 2, 3, 8, 10, 15, 17, 21
2nd. On the plating during the process of riveting } 24, 29 May 5, 7, 11, 14, 19, 22, 26, 28 June 2, 6, 9, 12
3rd. When the beams were in and fastened, and before the decks were laid } 16, 19, 24, 27 July 2, 3, 7, 11, 23, 30 August 3
4th. When the ship was complete, and before the plating was finally coated or cemented ... } 6, 11, 12, 13, 15, 19, 20, 26, 28, 31 September 2, 7, 9, 11, 16
5th. After the ship was launched and equipped } 19, 22, 23, 24
Total No. of Visits 27
State dates and initials of letters respecting this case 1891. Jan 6 "M" June 24 "E"

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

This is a one-decked vessel built of steel, under special survey in accordance with the Rules and the approved tracings. The material and workmanship are good. The vessel is fitted with a fore peak tank for carrying water ballast. The main deck is of steel and the R.Q.D. of pitch pine. The tracings of the midship and longitudinal sections were forwarded on the 22nd inst and there are now enclosed the pumping plans and ship forging certificates for the stern and rudder frames. The vessel has been towed round to Dundee this morning to receive her machinery.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 5 ft., R.Q.D. or Break 3.5 ft., Bridge Dk. 6.5 ft., F'castle 21 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.

R.Q.D. and bridge connected

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 dk steel Steel main dk uncovered
Official No. 98997; Signal Letters

PARTICULARS OF WATER BALLAST.—

Double bottom, aft, length and water capacity in tons Double bottom, forward, length and water capacity in tons
Double bottom, under engines and boilers, length and water capacity in tons If under Engines only, or Boilers only, state which
Double bottom, constructed on the cellular system, length and water capacity in tons
Fore peak tank, water capacity in tons 50 After peak tank, water capacity in tons
Midship deep tank, length and water capacity in tons Other tanks, if fitted, length and water capacity in tons

The above have been tested as required by the Rules.
(If necessary, furnish further information by sketch.)

How are the surfaces preserved from oxidation? Inside Cement and paint Outside paint

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated Oct 6th 1891

In Summer ft. 12 ins.
In Winter 1 ft. 1 1/2 ins.
For Winter in North Atlantic ft. ins.
Fresh Water above the centre of disc 9 1/2 ins.

To top of Wood, Iron or Steel Upper Deck.
Lopp. staty deck line above steel upper deck at side 1"

State if marked on Vessel's sides in accordance with Notice No. 572 yes

The amount of Entry Fee..... £ 19 4 0 is received by me, Special ... £ 18 Certificate* £ 18
Travelling Expenses, if any £

*Certificate to be sent to

I am of opinion this Vessel should be Classed 100A1 Steel

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

Committee's Minute

TUES. 20 OCT 1891

TUES. 24 NOV 1891

TUES. 8 DEC 1891

Character assigned

100A1 Steel
+ 2mb 10/11
dasep
subject to stream
chain being examined

is submitted that this vessel appears eligible to be Classed 100A1. Steel as recommended subject to the stream chain being examined with test certificate (100A1) (1 1/2 ft steel) F.P.T. has above "well sk"



© 2019

Lloyd's Register Foundation

ABU10-0229 (2/2)