

1 or 2 Decks.

# IRON OR STEEL STEAMER.

Received at London Office,

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

Date of completion of Report *22nd March 1894* Port of *Dundee*

No. *5459* Survey held at *Dundee* Date, First Survey *15th Sept. 1893* Last Survey *19th March 1894*

On the *Steel S.S. Princess Victoria*

Rig *Schooner - 2 masts*

TONNAGE under *899.35*

ONE OR TWO DECKED VESSEL.

Master *J. McNeill*

Do. of Poop *134.22*

CLASS *100 A*

Year of appointment *(1) As master in service of owner of present vessel: 1884*

Do. of Raised Or. *(2) As master of this vessel: 1894*

Do. of Bridge House

Do. of Houses on Deck *142.25*

Do. of excess of Hatchways *2.62*

Do. of Forecastle *69.96*

Do. above Crown of Engine Room *1248.40*

Gross Tonnage *103.69*

Less Crew Space *69.96*

Less above Crown of Engine Room *1074.75*

TONNAGE FOR FEES *558.36*

Less Engine Room *13.96*

Less Navigation Spaces *572.39*

Register Tonnage as cut on Beam

Half Breadth (moulded) *17.50*

Depth from upper part of Keel to top of Main Deck Bms *16.875*

Girth of Half Midship Frame (as per Rule) *30.54*

1st Number *64.915*

Length *243.66*

2nd Number *15817.2*

Proportions—Breadths to Length *6.9*

Depths to Length—Main Deck to top of Keel *14.4*

Destined Voyage *Coasting*

Surveyed while Building, *at float, or in Dry Dock*

Built at *Dundee*

When built *1893-4* Launched *25th January 1894*

By whom built *H.B. Thompson & Co. (Ltd)*

Owners *M. Sanglands & Sons*

Managers

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

Residence *10 Rumbold Place Liverpool & 123 Hope St. Glasgow*

Port belonging to *Glasgow*

LENGTH on Deck as per Rule	Feet.	Inches.	BREADTH—Moulded	Feet.	Inches.	DEPTH—Top of Floors to Main Deck Beams with normal round	Feet.	Inches.	Power of Engines	Horse.	No. of Decks with Flat laid	No. of Tiers of Beams
<i>243</i>	<i>8</i>		<i>35</i>	<i>0</i>		<i>15</i>	<i>3 1/2</i>		<i>180</i>		<i>Two</i>	<i>Two</i>

Dimensions of Ship per Register, Length, *245.0* breadth, *35.15* depth, *15.25*. Moulded Depth, ft. *10* ins. *2*. Round of Beam *8* inches.

FORGINGS AND CASTINGS.				KEELSONS AND STRINGERS.			
KEEL, Bar, or Side Plates depth and thickness				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate			
STEM, moulding and thickness				Rider Plate			
STERN-POST for Rudder do. do.				Bulb Plate to Intercoastal Keelson			
" for Propeller				Horizontal Plates on Floors			
MAIN PIECE of Rudder, diameter at head				Angles			
do. at heel				SIDE KEELSON, Angles			
RUDDER, how constructed <i>Forged main piece &amp; arms with single plate as approved</i>				Bulb or Plate above floors for			
Can the Rudder be unshipped afloat? <i>no.</i>				Intercoastal Plate for practicable length			
" Attached to outside plating with Angle				BILGE KEELSON, Angles			
" Bulb or Plate above floors for				Intercoastal Plate for 96 ft. length			
" Attached to outside plating with Angle				BILGE STRINGER Angles			
" Bulb Plate for				Intercoastal Plate for half length			
" Attached to outside plating with Angle				SIDE STRINGER Angles			
" Bulb or Intercoastal Plate for				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 Dk* Iron or Steel for whole lng.			
" Wood sheathed Material and thickness				How fastened to Beams			
" Lower Deck Stringer Plate, on ends of Beams, breadth and thickness				Angles on ditto, No. two			
" Tie Plates, outside Hatchways				Flat of Deck* Material and thickness			
" How fastened to Beams				Hold Stringer Plate, on ends of Beams			
" Angles on ditto, No.				Poop Deck Stringer Plate, breadth & thickness			
" Angle on ditto				Tie Plates			
" Flat of Deck, Material and thickness				Flat of Deck, Material and thickness			
" How fastened to Beams				Bridge Deck Stringer Plate, brdth & thickness			
" Angle on ditto				Tie Plates			
" Flat of Deck, Material and thickness				Forecastle Deck Stringer Plate, brdth & thickness			
" Angle on ditto				Tie Plates			
" Flat of Deck, Material and thickness				PLATING.			
" FLAT PLATE KEEL, breadth and thickness				" d'blng or inw'd thickness, & length appl.			
" PLATES in Garboard Strakes, brd'th & 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 lr. edge of Sh'rstrake				" Sheerstrake, breadth and thickness			
" Of d'blng at Sh'stk. & lng. applied whole length				" Poop Sides			
" Raised Quarter Deck Sides				" Bridge Sides			
" Forecastle Sides				" Lengths of Plating <i>Eight frame spaces</i>			

DUN 122-0264 (12)



			BULKHEADS.		No. in Vessel		No. Regd. by Rule	
					Five		Four	
Ceiling betwixt Decks, thickness and material			Thickness.	Angles.	Spacing.	Height up.	Sngl. or Dbl. Frames.	
"	in hold	do. do.	W. T. BULKHEADS {	6"	Vrtcl. 4x3x2	30	Main Deck	double
	3in Spruce			20	Hrztntl. 4x3x2	48		
					Bulkheads 6x3x2			
Number of Breasthooks			PARTITION . . .	✓	Vrtcl.			
					Hrztntl.			
" Crutches			LONGITUDINAL	✓	Vrtcl.			

The FRAMES extend in one length from keel to margin plate & are riveted through plates with  $\frac{1}{8}$  in. Rivets, about 6 in. apart. The REVERSED ANGLE on floors and frames extend from to lower and main decks alternately: double in engine and boiler spaces to Bilge stringer.

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.  
 Garboard, double riveted to keel on flat plate keel, with rivets 1 in. diameter, averaging 356 ins. from centre to centre.  
 Edges of Garboards and to upper part of Bilge, worked clench, double riveted; with rivets  $\frac{3}{8}$  in. dia., averaging 387 ins. from centre to centre.  
 Butts from keel to turn of Bilge, worked clench, double riveted; with rivets  $\frac{3}{8}$  in. dia., averaging 387 ins. from cr. to cr.  
 Butts of One (overlapped) for  $\frac{1}{2}$  length, treble riveted with Butt Straps  $\frac{3}{8}$  in. dia., averaging 387 ins. from cr. to cr.  
 Edges from Bilge to Sheerstrake, worked clench, double riveted; with rivets  $\frac{3}{8}$  in. dia., averaging 387 ins. from centre to centre.  
 Butts from Bilge to Sheerstrake, worked clench, double riveted; with rivets  $\frac{3}{8}$  in. dia., averaging 387 ins. from cr. to cr.  
 Edges of Sheerstrake, double & single riveted. Butts of Sheerstrake, double riveted for whole length amidships.  
 Butts of Main Stringer Plate, treble riveted for half length amidships. Single or Double Butt Straps to Stringer Plate for whole length.  
 Butts of Inner Bottom Plating double riveted for length. Butts of Centre Girder double riveted.  
 Breadth of edge laps of Shell Plating in double riveting 5 1/2 x 4 1/2. Breadth of edge laps of Shell Plating in single riveting 19 to 24. Butts, if Lapped, breadth of laps 9, 7 1/2 & 5.  
 Butt Straps of Shell Plating breadth and thickness 19 to 24. Butts, if Lapped, breadth of laps 9, 7 1/2 & 5.  
 Butt Straps of Keelsons, Stringer and Tie Plates, treble or double riveted? Treble and double.

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.? *Consolidated, Stockton Malleable; West Hartlepool; Palmers; Dorman, Long & Co.; Halliwell; and Barnardcliffe.*

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? *A 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.	Number.	Size.	RIVETING.
			At Partners.	Heel.	Hounds.				
Fore .....	Steel	62-0	14-30	15-30	Hounds.	135-30	2	✓	Double Treble
LOWER MASTS...									
Main .....	"	57-5	"	"	"	"	2	✓	"
Mizen .....	✓								

Topmasts, Yards and Remainder of Spars. *Pine*  
 Rigging, Material and Size, Shrouds *Steel wire 3"*  
 Sails. *One* Suit of Sails, and the following sparsails

EQUIPMENT No. 17629 LETTER O ANCHORS.

Number of Certificate.	WEIGHT, EX. STOCK			TEST, PER CERTIFICATE.			WEIGHT REQ. BY RULE			Description of Anchor.	Makers.	Where and when tested and Superintendent.
	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	Cwts.	qrs.	lbs.			
34605 1st Bower ..	29	2	10	28	6	3	14	29	1	Halls, Stockton		1-2-94
34604 2nd " ..	29	1	18	28	5	-	29	1	-	"		1-2-94
34603 3rd " ..	25	3	11	25	10	1	7	25	1	"		1-2-94
Collective weight	84	3	11				83	3	-	"		1-2-94
34646 Stream ....	8	1	4	10	10	-	8	-	-	Prothman's		10-2-94
34639 Kedg. ....	4	-	16	24	6	12	2	-	-	"		9-2-94
2nd Kedg. ....												

CHAIN CABLES. HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate.	Weight of Chain Cable.	Fathoms & Size.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Fathoms.	Size.	Fathoms & Size.
21975	120	5	1 1/2	61 1/2	43 3/4	240	1 1/2	Stud hook & Hingley	Hetherington, 10-2-94	TOWLINE Hemp	60	11
21976	120	3	"	"	"	"	"	"	"	Hawser	120	each of 8, 7, 6 & 5
										2 off steel wire	120	2 1/2 40.8 Hemp
										Hemp	40	4 1/2 40.6

Boats *Four life boats and 2 others.*  
 Pumps, Number *3* hand in hold and 1 in fore peak. Diameter of Barrel and Tail Pipe *In holds 6" & 4 1/2". In fore peak 3" & 1 1/2".*

The Windlass is *Amerson, Walker & Thompson's* patent. Capstan *✓*  
 Engine Room Skylights.—How constructed? *Teak on trunk bulkheads.*

What arrangements for deadlights in bad weather? *Glass panels in teak shutters.*

Coal Bunker Openings.—How constructed? *Cast iron shutters.* How are lids secured? *By iron fittings.* Height above deck? *5 ft.*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *On each side, 4 scuppers, 1 port 4' x 16" and 1 port 18" x 20"*

Cargo Hatchways.—How formed? *Of plates and angles.* Hatches, if strong and efficient? *Yes.*

State size No. 1 Hatch (Forward) *9' x 10' 6"* No. 2 Hatch *11' 6" x 10' 6"* No. 3 Hatch *11' 6" x 10' 6"* No. 4 Hatch *7' 8" x 4' 6"*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *1 fore and after in each.*

Bulwarks, height above deck and description *Same as sides of poop, bridge & forecastle.* Main Rail, material and size *Cope iron 3" x 1 1/2"*

The above is a correct description. *B. Thompson & Co., Limited.*  
 Builder's Signature, (here only.) *B. Thompson* Surveyor's Signature, *J. Thomson*  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Order for Special Survey No. 570	1893.—Sept. 15, 19, 26, 30. Oct. 3, 5, 7, 11, 17, 24, 26.
Date <i>4th Aug. 1894.</i>	
Order for Ordinary Survey No. 1	27, 31. Nov. 6, 10, 14, 20, 27, 30. Dec. 8, 12, 19, 22, 26.
Date <i>✓</i>	29. 1894.—Jan. 10, 11, 15, 16, 18, 23, 24, 25, 26. Feb. 3, 5.
No. <i>123</i> in builder's yard	14, 19. Mar. 1, 8, 12, 15, 19.
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	
2nd. On the plating during the process of riveting	
3rd. When the beams were in and fastened, and before the decks were laid	
4th. When the ship was complete, and before the plating was finally coated or cemented	
5th. After the ship was launched and equipped	
Total No. of Visits	<i>43</i>

State dates and initials of letters respecting this case *1893.—22nd & 25th July, 28th Sept., 6th & 30th Oct., and 28th Dec. M. 20th Nov. E.*

General Remarks (State quality of workmanship, &c.) *The workmanship throughout is good.*

*This vessel is built in accordance with midship section forwarded to London on the 15th March 1894, the accompanying tracings (3 in 1/2), the Secretary's letters referred to above, and in general conformity with the rules for the Class contemplated.*

*Reports on stern frame and cast steel rudder gudgeons are forwarded herewith. The gutter waterways, hand pumps, sluice valves, and watertight doors tested and found efficient.*

*The vessel is fitted throughout with the Electric light, a report on which will be forwarded later on.*

*A grubboard of 1" 7/2 from top of statutory deck line has been assigned to this vessel by the British Corporation.*

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *15 1/2* ft., R.Q.D. or Break *✓* ft., Bridge Dk. *16* ft., F castle *49* 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. *Has long poop extending before fore end of boiler space and a short bridge forward not joined to poop.*

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 Decks (Steel, main & s.), 2 tiers of beams.*

Official No. ....; Signal Letters .....

PARTICULARS OF WATER BALLAST.—Double bottom, aft, length *61' 4"* and water capacity in tons *90*. Double bottom, forward, length *40' 3"* and water capacity in tons *41*.

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 *✓*. 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 *all* been tested as required by the Rules. *MA*  
 (If necessary, furnish further information by sketch.)

How are the surfaces preserved from oxidation? Inside *By cement and paint.* Outside *By paint.*

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated *✓*

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

The amount of Entry Fee..... £ *4* - - - is received by me, *J. Thomson* Certificate to be sent to *Dundee Office.*

Special ... £ *51* : *17* : *6* *June 22-1894*  
 Certificate £ *✓* : :  
 Travelling Expenses, if any £ *✓* : :  
 I am of opinion this Vessel should be Classed *100A1*

*J. Thomson* Harry Clarke  
 Surveyors to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *TUES. 27 MAR 1894*

Character assigned *100A1 Steel*

*2 top + 2 mc 3 1/2 25Ks (Stl. Uws)*

*Well dk.*

*7K*

*2 1/2 Ks (Stl. Uws) mid deck*

*W.B. = DB (Particulars above)*

*FK*

Null Certificate. Written.

Lloyd's Register Foundation

DUN 22-0264 (2/2)