

1 or 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 *Yes*

Date of completion of Report *15th July 1898*

Received at London Office

No. *16253*
TUES. 19 JUL 1898

Port of *Glasgow*

Date, First Survey *16th April 1898*

Last Survey *12th July 1898*

1898

Rig *Schooner (2 masts)*

PRINCESS LOUISE

Master *Alex. Paterson*

Year of appointment

(1) As master in service of
owner of present vessel:—18
(2) As master of this
vessel:—18

Built at *Glasgow*

When built *1898* Launched *29th June 1898*

By whom built *Ritchie Graham & Innes*

Owners *Alex. Paterson*

Managers

(Where necessary to be entered in Reg. Book)

Residence *Queen's Buildings, Oban*

Port belonging to *Glasgow*

SNARE under
Fo. Age Deck } *83.12*
No. of top
Do. Second Dk. } *11.59*
Do. Break...
No. of Bridge House
Do. of Forecastle
No. of Houses on Deck *2.69*
No. of excess of Hatchways
Do. above Crown of
Engine Room... *2.40*
Gross Tonnage *105.80*
Less Crew Space *11.21*
Less above Crown of
Engine Room... *8.40*
TONNAGE FOR FEES... *86.39*
Less Engine Room *69.27*
Less Navigation Spaces *8.59*
Register Tonnage *16.93*
as cut on Beam...

ONE OR TWO DECKED VESSEL
CLASS *100A1 Steel*

Half Breadth (moulded) *8.5*
Depth from upper part of Keel to top of Main Deck Bms.
(with the normal round dip of beam) *9.0*
Girth of Half Midship Frame (as per Rule) *14.33*
1st Number *31.83*
Length on deck from after part of stem to fore part of
stern post *94.11*
2nd Number *2995.57*
Proportions—Breadths to Length *5.5*
Depths to Length—Main Deck to top of Keel... *10.45*
Destined Voyage *If Surveyed while Building, Afloat, or in Dry Dock*

LENGTH on Deck as Feet. Inches. BREADTH— Feet. Inches. DEPTH, ACTUAL— Feet. Inches. No. of Decks with Flat laid *One*
per Rule... *94 12* Moulded... *17 0* Top of Floors to top of Main Deck Beams... *7 9* No. of Tiers of Beams *One*
Dimensions of Ship per Register, Length, *95.1* breadth, *17.1* depth, *8.25* Moulded Depth, *8* ft. *6* ins. Round of Beam, Actual *6* 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.
FRAME, Angles, <i>7, E or L</i> Bars, for $\frac{1}{2}$ length amidships	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>2 1/2</i>	<i>2 1/2</i>	KEEL, Bar or Side Plates depth and thickness	<i>6 x 1 1/8</i>			<i>6 x 1 1/8</i>	
Do. for $\frac{1}{2}$ at each end	<i>2 1/2</i>	<i>2 1/2</i>	<i>5</i>	<i>2 1/2</i>	<i>2 1/2</i>	STEM, moulding and thickness	<i>6 x 1 1/8</i>			<i>6 x 1 1/8</i>	
Do. in way of Double Bottoms at Solid Floors						STERN-POST for Rudder do. do.	<i>5 1/2 x 2 1/4</i>			<i>5 1/2 x 2 1/4</i>	
" " " at intermdt. Dkts.						" for Propeller	<i>5 1/2 x 2 1/4</i>			<i>5 1/2 x 2 1/4</i>	
Distance of Frames from moulding edge to moulding edge, all fore and aft	<i>20</i>		<i>1</i>	<i>20</i>		MAIN PIECE of Rudder, diameter at head	<i>3 1/2</i>			<i>3 1/2</i>	
REVERSED FRAME, Angles	<i>2 1/4</i>	<i>2 1/4</i>	<i>5</i>	<i>2 1/4</i>	<i>5</i>	do. at heel	<i>3 x 2 1/8</i>			<i>2 1/2 x 2</i>	
DEEP FRAMING, depth of girder						RUDDER, how constructed <i>Forged frame, plated</i>					
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships	<i>15</i>		<i>5</i>	<i>15</i>	<i>5</i>	Can the Rudder be unshipped afloat? <i>Yes</i>					
" in way of Engines and Boilers			<i>6 x 7</i>		<i>6 x 7</i>	KEELSONS AND STRINGERS.					
" thickness at the ends of vessel						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
" depth at $\frac{1}{2}$ the half breadth, as per Rule						" Rider Plate					
" height extended at the Bilges						" Bulb Plate to Intercoastal Keelson					
FLOORS & BRACKETS, in Coll Dble Bottoms						" Horizontal Plates on Floors					
" Distance apart						" Angles, Bulbs	<i>(2)</i>	<i>9</i>	<i>3 1/2</i>	<i>9</i>	<i>3 1/2</i>
CENTRE GIRDER, in Double Bottom, depth and thickness						SIDE KEELSON, Angles					
" Angles, Top						" Bulb or Plate above floors for length					
" Bottom						" Intercoastal Plate for length					
SIDE GIRDERS, number on each side & thickness						" Attached to outside plating with Angle					
" Angles						BILGE KEELSON, Angles	<i>6</i>	<i>3 1/2</i>	<i>8</i>	<i>6</i>	<i>3 1/2</i>
MARGIN PLATE, depth (exclusive of flange) and thickness						" Bulb or Plate above floors for length					
" Angles to Outside Plating						" Intercoastal Plate for length					
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake						" Attached to outside plating with Angle					
" thickness in Engine and Boiler space						BILGE STRINGER Angles					
" Remainder in Holds						" Bulb Plate for length					
BEAMS, Main and Raised Quarter Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	<i>4 1/2</i>	<i>3</i>	<i>6</i>	<i>4 1/2</i>	<i>3</i>	" Intercoastal Plate for length					
" Angles on Upper Edge						" Attached to outside plating with Angle					
" Average space						SIDE STRINGER Angles	<i>6</i>	<i>3 1/2</i>	<i>8</i>	<i>6</i>	<i>3 1/2</i>
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb						" Bulb or Intercoastal Plate for length					
" Angles on Upper Edge						" Attached to outside plating with Angle					
" Average space						Main and Raised Quarter Deck Stringer Plate, breadth and thickness	<i>22</i>	<i>5</i>		<i>22</i>	<i>5</i>
BEAMS, Hold, Plate or Tee Bulb						" Angle on ditto	<i>3 x 3 x</i>	<i>6</i>	<i>3 x 3 x</i>	<i>6</i>	
" Angles on Upper Edge						" Tie Plates fore & aft, outside Hatchways	<i>6</i>	<i>5</i>	<i>6</i>	<i>5</i>	
" Average space						" Diagonal Tie Plates on Bms, No. of Pairs					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb						" Main Dk* Iron or Steel for length					
" Angles on Upper Edge						" R. Q. Dk* Iron or Steel for P.P. length	<i>3</i>			<i>3</i>	
" Average space						" Wood Deck, Material & thickness P.P.	<i>3</i>			<i>3</i>	
BEAMS, Bridge or Pt. Awng. Deck, Angle, Bulb Angle, Plate, or Tee Bulb						Lower Deck Stringer Plate, breadth and thickness					
" Angles on Upper Edge						" Angles on ditto, No.					
" Average space						" Tie Plates, outside Hatchways					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb						" Deck* Material and thickness					
" Angles on Upper Edge						Hold Stringer Plate					
" Average space						" Angles on ditto, No.					
PILLARS, In 'tween Decks, Size and Spacing	<i>2 1/4</i>	<i>40</i>		<i>2 1/4</i>	<i>40</i>	Poop Deck Stringer Plate, breadth & thickness					
" Hold						" Angle on ditto					
" Quarter, 'tween Dks.,						" Tie Plates					
" in Hold						" Deck, Material and thickness					
WEB FRAMES, In Fore Body, No. and Spacing						Bridge Deck Stringer Plate, brdth & thickness					
" Brdth. & Thickness						" Angle on ditto					
" No. of Side Stringers						" Tie Plates					
WEB FRAMES, In E. & B. Space, No. & Spacing						" Deck, Material and thickness					
" Brdth. & Thickness						Forecastle Deck Stringer Plate, brdth & thcknss					
" No. of Side Stringers						" Angle on ditto					
WEB FRAMES, In After Body, No. and Spacing						" Tie Plates					
" Brdth. & Thickness						" Deck, Material and thickness					
" No. of Side Stringers											
" Size of Angles or Tee Bars to Web Frames											
BRACKET PLATES to Stringers between Web Frames, Depth and Thickness											

16253

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 or to cr.		Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.		
	Inches.	16th or 20ths.	16th or 20ths.	16th or 20ths.	Inches.	16th or 20ths.		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	16th or 20ths.	Inches.	Feet.		
FLAT PLATE KEEL..... (If Bar Keel, state Riveting) GARBOARD OR A Strake ...	36	6	6	6	36	6	Single	2 1/4	5/8	2 1/2	Double	5/8	2 1/4	8	6				
State actual thickness in way of Double Bottom.		5	5	5		5	Single	2 1/4	5/8	2 1/2	Double	5/8	2 1/4			6 1/2	Whole		
Sheer or		6	5	5		6	Single	2 1/4	5/8	2 1/2	do	5/8	2 1/4			6 1/2	Whole		
E	36	6	5	5	36	6	Double	3 3/4	5/8	2 1/2	do	5/8	2 1/4			6 1/2	Whole		
F																			
G																			
H																			
J																			
K																			
L																			
M																			
N																			
O																			
P																			
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges																			
of Sheerstrakes																			
of Strake below																			
POOR SIDES																			
RAISED QUARTER DECK SIDES																			
BRIDGE SIDES																			
FORECASTLE SIDES																			
LENGTHS OF PLATING																			

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. ? *(Siemens Process)*

Steel Co. of Scotland. Consell. Monend.

Lamarshire Steel Co. Glasgow Iron & Steel Co.

Has the Steel been tested as required by the Rules *Yes*

Main Stringer Plate { Butts, *double* riveted for *whole* length amidship.

Straps, single, double or overlapped for *whole* length amidship

Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted?

Inner Bottom Plating, riveting of Edges *Butts*

Centre Girder Butts *riveted* Keelson Butts, *Double* riveted.

Frames, riveted through Plates with *5/8* in. Rivets, about *4 3/8* apart.

Rivets, state whether of Iron or Steel *Iron*

FRAMES extend in one length from *Middle line* to *gunwale*

REVERSED FRAMES on floors and frames extend from *Middle line to Bilge*. Double in Engine & Boiler space.

MASTS, SPARS, &c.											
	Material.	Total length including jibs	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS....	Fore	<i>Pine</i>	<i>43.9</i>	<i>10 1/2</i>							
	Main	<i>do</i>	<i>43.9</i>	<i>9</i>							
	Mizen										
Bowsprit											
Topmasts, Yards and Remainder of Spars	<i>Pine</i>										
Rigging, Material and Size, Shrouds	<i>Steel Wire 1 1/4</i>										
Sails.	<i>One</i>	Suit of <i>working</i>									
		Sails and the following spare sails									

EQUIPMENT NO. *30966* LETTER *a* TONNAGE FOR TRAWLERS *U.D.K.*

ANCHORS.

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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
<i>33704</i>	1st Bower ..	<i>4</i>	<i>3</i>	<i>14</i>	<i>Stockless</i>	<i>7</i>	<i>5</i>	<i>0</i>	<i>0</i>	<i>14</i>	<i>2</i>	<i>0</i>	<i>0</i>	<i>Patent Chain</i>	<i>W. & A. R. & Co. R.W.P.H.</i>	<i>15/6/98 H.F. 15/6/98</i>
<i>33577</i>	2nd ..	<i>3</i>	<i>2</i>	<i>0</i>	<i>3 14</i>	<i>5</i>	<i>18</i>	<i>3</i>	<i>0</i>	<i>3</i>	<i>2</i>	<i>0</i>	<i>0</i>	<i>Common</i>	<i>S. Taylor & Sons</i>	<i>do 26/5/98 do</i>
	3rd ..															
	Collective weight	<i>8</i>	<i>1</i>	<i>14</i>						<i>8</i>	<i>0</i>	<i>0</i>				
	Stream	<i>3</i>	<i>23</i>	<i>including Stock</i>						<i>3</i>	<i>0</i>	<i>0</i>	<i>Stock</i>			
	Kedge	<i>2</i>	<i>14</i>	<i>do do</i>						<i>2</i>	<i>0</i>	<i>0</i>	<i>do</i>			

CHAIN CABLES.										HAWSERS AND WARPS.					
Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Table 22.	
				Supplied.	Per Table 22.										
<i>13645</i>	<i>120</i>	<i>1 1/2</i>	<i>8.5</i>	<i>12.75</i>	<i>30.3</i>	<i>17</i>	<i>29.0</i>	<i>14</i>	<i>120-1 1/2</i>	<i>Steel</i>	<i>S. Taylor & Sons</i>	<i>25/7/98 R.W.P.H. H.F. 15/6/98</i>	<i>75 X 5 1/2</i>	<i>75 X 5 1/2</i>	
<i>13644</i>	<i>45</i>	<i>1 1/2</i>	<i>6.0</i>	<i>3.0</i>	<i>7.1</i>	<i>1</i>	<i>7.1</i>	<i>0</i>	<i>45-1 1/2</i>	<i>Short-link</i>	<i>do</i>	<i>do do do</i>	<i>90 X 3</i>	<i>90 X 3</i>	
Iron Stream Chain or Steel Wire.															

Boats *2 Lifeboats*

Pumps, Number *Three (3)* Diameter of Barrel *3" same as* State whether they are in efficient working order *Yes*

Windlass is *Steam* Which type, by *Fisher & Co. of Paisley* Capstan *✓*

Engine Room Skylights.—How constructed? *Seal on Steel Casings*

What arrangements for deadlights in bad weather? *Glass with brass guard rails.*

Coal Bunker Openings.—How constructed? *Cash iron* How are lids secured? *Clutches* Height above deck? *Flush*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *2 ports 14" x 9" x 2 scuppers on each side*

Ceiling in Holds, thickness and material *2" W.P.* Ceiling 'tween Decks, thickness and material *2" W.P.*

Cargo Hatchways.—How formed? *Plates & angles* Hatches.—If strong and efficient? *Yes - 3"*

State size No. 1 Hatch (Forward) *7' 4" x 4' 0" x 9' 6"* No. 2 Hatch *✓* No. 3 Hatch *✓* No. 4 Hatch *✓*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *✓*

No. of Breasthooks *Two* No. of Crutches *deep floors*

Bulwarks, height above deck and description *2 ft 6" 7/20 Steel* Main Rail, material and size *Seal 5" x 2 1/2"*

The above is a correct description.

Builder's Signature (here only.) *Ritchel Mahan & Milne* Surveyor's Signature *Thomas Warren*

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

Form No. 1A.

16253. gds.

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

17/3/98, 7/4/98 M, 22/4/98 E

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

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? *no*

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 *good.*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *no*

State results of tests *—*

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

The fore, and after peaks, decks, and hand pumps have been tested as required, and found to be satisfactory.

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 *25½* 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) *15K*

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 or with girders on floors

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		
Double bottom, if under Engines only,			Midship deep tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,			(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

Order for Special Survey No. *3201*

Date *23rd March 1898*

No. *1014* in builder's yard

DATES of Surveys held while building

1898. April. 6-13-20-26 May. 2-4-9-12-16-19-23-26-30. June 1-2-4-6-8-10-13 15-20-22-23-24-25. July. 6-8-9-12.

Total No. of Visits *30*

The amount of Entry Fee *£ 1 : - - -* Fees applied for, *18. 4. 1898.*
Special *£ 4 : - - -* Received by me, *26. 7. 1898*
Certificate *£ - : - -*
Travelling Expenses, if any *£ - : - -*

* Certificate to be sent to

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

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

With, or without Freeboard, as condition of Class

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

FRI. 22 JUL 1898

Committee's Minute

Character assigned

a ocl + 2 May 98

100A-1 Steel 15K



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Lloyd's Register

GLS181-0260 (2/2)