

2 Decks.

IRON OR STEEL STEAMER.

Received at London Office

State of Report is also sent on the Machinery of the Vessel

Date of completion of Report 9<sup>th</sup> September 1891 Port of Dundee
No. 5637 Survey held at Dundee Date, First Survey 12<sup>th</sup> December Last Survey 9<sup>th</sup> September 1891
On the Iron Screw Steamer Selkirk

Table with columns for Tonnage under Deck, Do. of Poop, Do. of Raised Or., Dk. or Break., No. of Bridge House, Do. of Houses on Deck, Do. of excess of Hatchways, Do. of Forecastle, No. above Crown of Engine Room, Gross Tonnage, Less Crew Space, Tonnage for Fees, Engine Room, Navigation Spaces, Net Tonnage, and Net on Beam.

Table with columns for CLASS (100 A1), Half Breadth (moulded), Depth from upper part of Keel to top of Main Deck Bms., Girth of Half Midship Frame (as per Rule), 1st Number, Length, 2nd Number, Proportions—Breadths to Length, and Depths to Length—Main Deck to top of Keel.

Table with columns for Master (Wills), Year of appointment, Built at (Dundee), When built (1891), By whom built (W. B. Thompson & Co.), Owners (General Steam Navigation Co.), Managers, Residence (London), and Port belonging to (London).

Summary table with columns for Breadth on Deck (Feet, Inches), Depth (Feet, Inches), Power of Engines (Horse), No. of Decks with Flat laid, and No. of Tiers of Beams.

Dimensions of Ship per Register Length 280 breadth, 37.75 depth, 16.2. Moulded Depth, ft. 17 ins. 9 1/2. Round of Beam 2 inches.

Table for RIGGINGS AND CASTINGS with columns for Bar or Side Plates, Moulding and thickness, N-POST for Rudder, and PIECE of Rudder.

Table for FRAMING with columns for DECK, Main and Raised Quarter Deck, Lower Deck, Hold, Poop Deck, Bridge Deck, and BEAMS.

Table for KEELSONS AND STRINGERS with columns for CENTRE LINE KEELSON, SIDE KEELSON, BILGE KEELSON, BILGE STRINGER, Main and Raised Quarter Deck Stringer, Lower Deck Stringer Plate, Hold Stringer Plate, Poop Deck Stringer Plate, Bridge Deck Stringer Plate, and Forecastle Deck Stringer Plate.

Table for FRAMING (continued) with columns for DECK, Main and Raised Quarter Deck, Lower Deck, Hold, Poop Deck, Bridge Deck, and BEAMS.

Table for PLATING with columns for PLAT PLATE KEEL, PLATES in Garboard Strakes, Bilges, Sheerstrake, and other plating details.

BULKHEADS.		No. in Vessel	No. Req'd. by Rule
Ceiling betwixt Decks, thickness and material	8x2 P.P.	5	4
in hold do. do.	1/2 R.P.		
Number of Breasthooks	3		
Crutches	2		

W. T. BULKHEADS } Thickness 9/16 - Vrtcl 4 1/2 x 3 x 7/16 - 30 - Hrztcl 4 1/2 x 3 x 7/16 - 48 -  
 PARTITION... } 4/16 - Vrtcl 3 x 2 1/2 x 5/16 - 36 - Hrztcl.  
 LONGITUDINAL } Vrtcl. +  
 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 7/8 in. Rivets, about 7" apart  
 The REVERSED ANGLE on floors and frames extend from Keel to lower deck and gunwale alternately, and to fore-castle deck alternately.

**RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.**  
 Garboard, double riveted to Bar Keel on Flat Plate Keel, with rivets 1/8 in. diameter, averaging 5 7/8 ins. from centre to centre.  
 Edges of Garboards and to upper part of Bilge, worked clencher, double riveted; with rivets 7/8 in. diameter, averaging 5 1/2 ins. from centre to centre.  
 Butts from Keel to turn of Bilge, worked carvel, treble or double riveted; treble for 1/2 lgh.; with rivets 7/8 in. dia., averaging 3 1/2 ins. from cr. to cr.  
 Butts of three Strakes at Bilge for 1/2 length, treble riveted with Butt Straps 3/20 x 1/16 thicker than the plates they connect.  
 Edges from Bilge to Sheerstrake, worked clencher, double or single riveted; with rivets 7/8 in. diameter, averaging 5 1/2 ins. from centre to centre.  
 Butts from Bilge to Sheerstrake, worked carvel, treble or double riveted; treble for 1/2 lgh.; with rivets 7/8 in. dia., averaging 3 1/2 ins. from cr. to cr.  
 Edges of Sheerstrake, double & single riveted. Butts of Sheerstrake, treble riveted for 1/2 length amidships.  
 Butts of Main Stringer Plate, treble riveted for 1/2 length amidships. Single or Double Butt Straps to Stringer Plate for whole length.  
 Butts of Inner Bottom Plating double riveted for E.B.S. length. Butts of Centre Girder treble riveted.  
 Breadth of edge laps of Shell Plating in double riveting 6 x 5 1/4. Breadth of edge laps of Shell Plating in single riveting 3".  
 Butt Straps of Shell Plating breadth and thickness 1 1/2 x 1 1/4. Butts, if Lapped, breadth of laps 1".  
 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.? Angles & Butts: Dorman Long & Co. Malleable Iron Co. Samuel Tysack & Co. Plates: John Hill & Co. Couette Iron Co. Hadstone & Co. Steel plates: Hallside Steel Works, Couette Iron Works, Houston Malleable Iron Co.  
 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? No.  
 Are the butts of Plating, Stringers, &c., properly shifted and strapped? Yes.

**MASTS, SPARS, &c.**

Masts, Spars, &c.	Material	Total Length	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partner.	Heel	Hounds	Head		Number	Size	Seams	Butts
Fore Mast	Steel	104' 7"	22 : 7/20	17 : 7/20	14 1/2 : 7/20	7 : 7/20	Two	-	-	Single	Treble
Main Mast	"	101' 4"	22 : 7/20	20 : 7/20	14 1/2 : 7/20	7 : 7/20	Two	-	-	"	"
Misc.											

Boomsprit  
 Topmasts, Yards and Remainder of Spars  
 Rigging, Material and Size, Shrouds Steelwire 3". Stays 3/4" Steelwire  
 Sails. Suit of Sails, and the following spare sails

**EQUIPMENT No. 21312 LETTER R X 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.
			Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
30599	1st Bower .. 37 2 18	- - -	34	6	1	0	37	2	0	Stockless	Kingley & Co. Ltd. Netterton 22/1/01	
30600	2nd " .. 26 2 11	- - -	33	10	1	7	37	2	0	"	" " 14/1/01	
30578	3rd " .. 25 2 2	6 2 19	25	5	3	21	25	2	0	Porter E.S.	" " 14/1/01	
	Collective weight	99 3 3					100.	2	0			
30594	Stream .... 9 1 4	2 1 26	11	9	0	7	9	2	0	Porter E.S.	Kingley & Co. Ltd. Netterton 22/1/01	
30596	Kedge ..... 4 3 24	1 1 9	7 1/2	-	-	-	4	3	0	"	" " 22/1/01	
30597	2nd Kedge .. 2 2 14	- 2 12	5 1/2	-	-	-	2	2	0	"	" " 22/1/01	

**CHAIN CABLES. HAWSERS AND WARPS.**

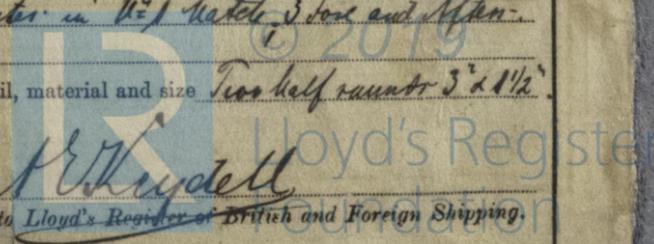
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	Weight of Chain Cable	Fathoms & Size. Per Rule.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Fathoms	Size.	Fathoms & Size. Per Rule.
20783	135	1 1/4	55 1/8	204.3.14	270:1 1/4	Lead Link Kingley & Co. Ltd. Netterton 14/1/01	Kingley & Co. Ltd. Netterton 14/1/01	COWLINE wire	90	3	90: 11 or 12 1/2	
20782	135	1 1/4	55 1/8	203.3.3	270:1 1/4	"	"	Hawser wire	90	2 1/2	90: 9	
20787	75	1 1/6	20 7/8	42.1.18	75: 1 1/6	"	"	Steel wire	90	5 1/2	90: 7 1/2	
	90	3/4	Certificate produced.						120	4 1/2		

Boats Six boats; viz 4 lifeboats & 2 cutter.  
 Pumps, Number seven Diameter of Barrel and Tail Pipe 8" dia. 3/4" tail pipe and one 3"  
 The Windlass is Cummerow & Walpers Capstan  
 Engine Room Skylights.—How constructed? Lead on casing 7'6" high.  
 What arrangements for deadlights in bad weather? Wire netting.  
 Coal Bunker Openings.—How constructed? Scuttles How are lids secured? Locked Height above deck? Deck  
 Number of Scuppers, and number and dimensions of Freeing Ports, &c. Six scuppers—on each side; four freeing ports on each side.  
 Cargo Hatchways.—How formed? Iron coaming Hatches, if strong and efficient? Yes. 3" thick  
 State size No. 1 Hatch (Forward) 21'1" x 12'0" No. 2 Hatch 9'7" x 13'0" No. 3 Hatch 15'4" x 12'0" No. 4 Hatch  
 Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch Two deep web plates in No. 1 hatch; 3 Fore and Afters.

Bulwarks, height above deck and description 8'0"; Iron plating Main Rail, material and size Two half rounds 3" x 1 1/2"  
 The above is a correct description. W. B. THOMPSON & Co. Limited.  
 Builder's Signature, (here only.) A. W. Thompson  
 Surveyor's Signature, J. W. Russell  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Form No. 1 A.

State whether Rivets are of Iron or Steel.



Order for Special Survey No. 526  
 Date 4<sup>th</sup> Dec 1890  
 Order for Ordinary Survey No. 105  
 Date 1890  
 No. 105 in builder's yard.

DATE 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 } December: 12, 14, 22, 24, 29 January: 1, 6, 20 February: 2,  
 2nd. On the plating during the process of riveting } 3, 10, 17, 19, 23, 25, 27, March: 2, 4, 5, 9, 20, 24, 30, April: 3, 7,  
 3rd. When the beams were in and fastened, and before the decks were laid } 9, 10, 15, 20, 22, 24, 27, 29, May: 7, 8, 11, 13, 20, 22, 25, 26, 27,  
 4th. When the ship was complete, and before the plating was finally coated or cemented } June: 1, 3, 4, 11, 15, 19, 23, 24, 26, 29, July: 2, 6, 7, 14, 22, August: 7, 8, 9,  
 5th. After the ship was launched and equipped } 4, 6, 8, 11, 14, 19, 20, 25, 26, 27, 28, 31, Sept: 1, 2, 3, 4, Total No. of Visits 76

State dates and initials of letters respecting this case 1890: October 31, November 11, 21, 1891: March 24, May 13, June 8.

General Remarks (State quality of workmanship, &c.) This is a screw-steamer, constructed of Iron with shell plating part Steel in accordance with the approved plans and in other respects in accordance with the Rules. One link in each chain is collapsed and the rig found correct. The materials and workmanship are good.

ARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 6' 5" ft., R.Q.D. or Break — ft., Bridge Dk. 129 ft., F'castle 81 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) 2 Dks (Iron) 2 to B, well framed in After hold.  
 Official No. 98975; Signal Letters —

PARTICULARS OF WATER BALLAST.—  
 Double bottom, aft, length 26' 10" and water capacity in tons 17. Double bottom, forward, length 42' 0" and water capacity in tons 40  
 Double bottom, under engines and boilers, length 30' 8" and water capacity in tons 48. If under Engines only, or Boilers only, state which U. Tuganinsky  
 Double bottom, constructed on the cellular system, length — and water capacity in tons —  
 Fore peak tank, water capacity in tons 22. 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 Paint and cement Outside Paint

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated 4<sup>th</sup> September 1891  
 In Summer 2 ft. 5 ins.  
 In Winter 2 ft. 7 ins.  
 For Winter in North Atlantic — ft. — ins.  
 Fresh Water above the centre of disc 3 1/2 ins.  
 To top of Wood, Iron or Steel Upper Deck.  
 State if marked on Vessel's sides in accordance with Notice No. 572 Yes

The amount of Entry Fee..... £ 4 : — : is received by me, } MRH  
 Special ... £ 05 : 2 : 6 9<sup>th</sup> Sept 1891 }  
 Certificate\* £ : :  
 Travelling Expenses, if any £ : :  
 In opinion this Vessel should be Classed + 100 A, Iron, Shell plating part Steel  
 \*Certificate to be sent to this office  
MR Heydell  
 Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute FRI 18 SEP 1891  
 Character assigned 100A  
2 A or C  
Shell plating pt. Steel  
2 Dks (Iron - w.s.)  
+ 2 Dks (Iron - w.s.)  
2 Dks (Iron - w.s.)  
FRI 25 SEP 1891  
FRI 27 SEP 1891  
 Chief Surveyor's W. B., alias F. P. T. (particulars above)  
 remarks read  
 The collector's weight of the same anchors is 81 lbs. less than required by the Rules but the 1<sup>st</sup> Bore is 18 lbs in excess. It is submitted that under the circumstances the vessel appears eligible to be classed 100 A (Iron) with the notation "Shell plating pt. Steel", as recommended, 2 Dks (Iron - w.s.)  
 Lloyd's Register Foundation

DUN 118 - 0141 (2/2)