

1 or 2 Decks.

IRON OR STEEL STEAMER.

RECEIVED AT LONDON OFFICE 27 AUG 1891

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

Date of completion of Report 20 August 1891 Port of Dundee

No. 5020 Survey held at Dundee Date, First Survey 10 December 90 Last Survey 17 August 1891

On the Steel Screw Steamer Berlin Rig Schooner

Table with columns for Tonnage under Deck, Gross Tonnage, Net Tonnage, and other tonnage measurements.

Table with columns for Half Breadth, Depth, Girth, Length, and Proportions.

Table with columns for Master, Year of appointment, Built at, When built, By whom built, Owners, Managers, Residence, and Port belonging to.

Table with columns for Length on Deck, Breadth, Depth, Power of Engines, and No. of Decks with Flat laid.

Dimensions of Ship per Register, Length, 245 breadth, 34.1 depth, 15.85 Moulded Depth, ft. 10 ins. 8 1/2 Round of Beam 8 1/2 inches.

Table titled 'RIGGINGS AND CASTINGS' and 'FRAMING' containing detailed specifications for various parts of the ship's structure.

Table titled 'KEELSONS AND STRINGERS' containing detailed specifications for the ship's keelsons and stringers.

Table titled 'PLATING' containing detailed specifications for the ship's plating.

BULKHEADS.			No. in Vessel	No. Req'd. by Rule		
Thickness.	Angles.	Spacing.		Height up.	Sngl. or Dbl. Frames.	
Ceiling betwixt Decks, thickness and material <i>7/8" W.P.</i>			<i>Five</i>		<i>Four</i>	
" in hold do. do. <i>2 1/2" R.P.</i>						
Number of Breasthooks <i>4</i>	W. T. BULKHEADS	<i>9/16</i>		<i>to upper deck</i>	<i>Double frames</i>	
" Crutches <i>3</i>	PARTITION...	<i>1/4</i>		<i>to upper deck</i>	<i>Single frame</i>	
	LONGITUDINAL	Vrtcl.				

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

The FRAMES extend in one length from *Keel* to *poop bridge & forecabin* Riveted through Plates with *7/8"* in. Rivets, about *6/4* apart

The REVERSED ANGLE on floors and frames extend from *middle line to gunwale and lower 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 *Flat Plate Keel*, with rivets *1 1/8"* in. diameter, averaging *5 3/8"* 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 *whole plates in each of plates* length; with rivets *7/8"* in. dia., averaging *3 1/8"* ins. from cr. to cr.

" " " " overlapped for length, treble riveted for length; with rivets in. dia., averaging ins. from cr. to cr.

Butts of *3* Strakes at Bilge for *1/2* length, treble riveted with Butt Straps *3/20* thicker than the plates they connect.

Edges from Bilge to Sheerstrake, worked clencher, double *single* riveted; with rivets, *7/8" x 3/4"* in. diameter, averaging *5 1/2"* ins. from centre to centre.

Butts from Bilge to Sheerstrake, worked carvel, treble or double riveted; treble for *whole plates in each of plates* length; with rivets *7/8" x 3/4"* in. dia., averaging *3 1/8" x 2 1/8"* ins. from cr. to cr.

" " " " overlapped for length, treble riveted for *double* length, with rivets in. dia., averaging ins. from cr. to cr.

Edges of Sheerstrake, double or single riveted. Butts of Sheerstrake, *double* riveted for *whole* 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 riveted for length. Butts of Centre Girder riveted.

Breadth of edge laps of Shell Plating in double riveting *5 1/4" x 4 1/2"* Breadth of edge laps of Shell Plating in single riveting *3"*

Butt Straps of Shell Plating breadth and thickness *10 3/4" x 1 1/2"* Butts, if Lapped, breadth of laps

Butt Straps of Keelsons, Stringer and Tie Plates, treble or double riveted? *Treble & 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.? *Anglo-Mexican Iron & Steel Works - Anglo-Bulbs - Hall's Steel Works - Platt's - Corbett Iron Works - Houston Malleable Iron Co. - Baldwin Vaughan & 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.

	Material.	Total Length	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Fore	Steel	70' 8"	21: 7/20	16: 7/20	16: 7/20	14: 7/20	Two	-	-	Single	Treble
LOWER MASTS....											
Main	Steel	65' 8"	21: 7/20	17: 6/20	16: 7/20	14: 7/20	Two	-	-	Single	Treble
Mizen	-	-	-	-	-	-	-	-	-	-	-

Boomsprit

Topmasts, Yards and Remainder of Spars *Yards: Wood R.P.*

Rigging, Material and Size, Shrouds *Steel wire 3* Stays *4 1/4" Steel Wire*

Sails. *One* Suit of Sails, and the following spare sails

EQUIPMENT No. 17087 LETTER O. 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.			
7698	25 0 14	5 0 14	24	17	0	21	23	2	0	Rodgers	Tipton 1/183 Litt
30128	23 1 8	6 0 3	23	8	0	14	21	3	0	"	Wetherston 18/191 Lewis
30129	20 2 18	4 3 0	21	8	0	14	20	0	0	"	"
Collective weight	69 0 12						67	0	0		
30187	18 1 15	2 0 4	10 3/4	-	-	-	3	0	0	Rodgers	Wetherston 20/191 Lewis
30186	4 0 23	1 0 5	6	12	2	0	4	0	0	"	"
30185	2 0 12	0 2 10	4	12	2	0	2	0	0	"	"

CHAIN CABLES. HAWSERS 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, PER RULE.		
										Fathoms.	Size.	Fathoms & Size, Per Rule.
20692	135	1 9/16	143 1/2	162.2.11	270: 1 9/16	Lead	W.P. Jones & Co. Wetherston 16/191 Lewis	Towline	-	-	90: 10	
21271	135	1 9/16	43 1/2	101.1.10			"	Hawser	40: 2 1/2	Steel	90: 8	
20698	75	1	18	38.1.0	75: 1	Lead	"	"	2: 90: 2	"	90: 6	
Iron Steam Chain									2: 50: 7	Mammoth		
Towline if steel wire	90	3/2	cert. produced		3 1/4				2: 90: 4 1/2	"		

Boats *Two lifeboats, two cutters*

Pumps, Number *Five* Diameter of Barrel and Tail Pipe *5" dia, 3" tail*

The Windlass is *Emerson Walker & Thompson's patent* Capstan

Engine Room Skylights.—How constructed? *Peak and 4 p. canopy*

What arrangements for deadlights in bad weather? *Buff eyes*

Coal Bunker Openings.—How constructed? *Iron frame* How are lids secured? *Locked* Height above deck? *Flush*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Forward: Three and aft two, each 26" x 22" on each side.*

Cargo Hatchways.—How formed? *Iron coverings* Hatches, if strong and efficient? *Yes 2 1/2" thick*

State size No. 1 Hatch (Forward) *13'5" x 10'6"* No. 2 Hatch *29' 1" x 10'6"* No. 3 Hatch *28'9" x 10'6"* No. 4 Hatch

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *N=2 & N=3. One and two web plates each.*

Fulwarks, height above deck and description *5' up No plating* Main Rail, material and size *Iron 2 halfpennies.*

The above is a correct description.

Builder's Signature, (here only.) *W. Thompson & Co., Limited.*

Surveyor's Signature. *P. H. Weyntell*

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

Form No. 1 A.

State whether Rivets are of Iron or Steel.



