

Spar, Awning or Part Awning Dk.

IRON OR STEEL STEAMER.

(Received at London Office)

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

Date of completion of Report Oct. 31. 91

Port of West Hartlepool

No. 8624 Survey held at West Hartlepool Date, First Survey 4 June. 91. Last Survey 23 Oct. 1891.

On the Steel Screw Steamer "Zanni Stefanovich" Schoner Rig 2 Masto.

Table with columns for Tonnage under Deck, Do. between Tonnage Dk., and Do. of Poop, Rais'd Qr., etc.

Table with columns for CLASS 100A1, Half Breadth, Depth, Girth, 1st Number, Length, 2nd Number, Proportions, etc.

Table with columns for Master Nicolas Ghionis, Year of Appointment, Built at West Hartlepool, etc.

Table with columns for LENGTH on Deck, BREADTH, DEPTH, Power of Engines, No. of Decks, etc.

Dimensions of Ship per Register, Length 190.0 breadth 38.0 depth 20.0

Table for FORGINGS AND CASTINGS with columns for KEEL, STEM, STERN-POST, MAIN PIECE, RUDDER, etc.

Table for FRAMING with columns for FRAME, REVERSED FRAME, LOORS, FLOORS & BRACKETS, CENTRE GIRDER, SIDE GIRDERS, MARGIN PLATE, etc.

Table for KEELSONS AND STRINGERS with columns for CENTRE LINE KEELSON, SIDE KEELSON, BILGE KEELSON, BILGE STRINGER, SIDE STRINGER, etc.

Table for PLATING with columns for FLAT PLATE KEEL, PLATES in Garboard Strakes, Bilges, etc.

Order for Special Survey No. 1495
 Date 24 April 91
 Order for Ordinary Survey No. _____
 Date _____
 No. 186 in builder's yard.

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

Built under Special Survey

Date 1st Survey 4 June 1891
 Last 23 Oct. 1891

Total No. of Visits 60

State dates and initials of letters respecting this case 2/4/91. 13/8/91. 28/9/91. 12.13.14.17. 20.21.24.27 Oct. 91. 2.13.14 Oct. 91. K.B. pldrd.

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the Rules and the approved tracings now in the London office.

The whole of the steel used in the hull has been tested as prescribed by the Rules, and found satisfactory.

workmanship is of good quality.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.8 ft., R.Q.D. or Break 84 ft., ^{Part Awning Deck} Bridge Dk 73 ft., F'castle 173 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 Prop, R.Q. Deck

and Partial Awning Deck, are connected.

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 would appear in the Register Book) 1 Dk (Steel & Iron), and webframes, & part awning Dk (Iron).

Official No. _____; 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 248ft and water capacity in tons 377

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 not been tested as required by the Rules.

If necessary, furnish further information by sketch.)

How are the surfaces preserved from oxidation? Inside by Portland Cement & Paint Outside by paint.

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

In Summer	ft.	ins.
In Winter	ft.	ins.
For Winter in North Atlantic	ft.	ins.
Fresh Water above the centre of disc	ft.	ins.

To top of Wood, Iron or Steel Upper, Spar, Awning, or Part Awning Deck:

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

Amount of Entry Fee £ 5 : : is received by me, W.H.

Special... £ 81 13 : : 31.10.1891

Certificate*... £ : : yes

Travelling Expenses, if any £ : : _____

In opinion this Vessel should be Classed 100 A.1. "Steel"

Freeboards assigned by the Committee, as per Secretary's Letter, dated _____

J.P. Phillips
 Surveyor to Lloyd's Register of British & Foreign Shipping.

Committee's Minute

Character assigned

100 A.1. Steel
1st Awning Dk subject to freedom of stbd deck line at plating Dk
1 Dk Pl Steel pt Iron
& web frames & Pt Awning Dk Iron

It is submitted that this vessel appears eligible to be classed 100 A.1. steel pt. Awng. Dk as recommended, subject to the freeboards assigned by the Committee being marked on the vessel's sides, recorded in the Register Book & marked on the certificate as required by the Rules.

1 Dk Pl steel pt Iron & web frames and Pt Awng. Dk (Iron)
 Cell. D.B. (particulars attached)
 F.H.

Require Reep Cert till report comes about marking

Cert now to be issued
AS. 2/1/91

HPL 366-00 86(212)

Ceiling betwixt Decks, thickness and material	Thickness	Angles	Spacing	Height up	Sngl. or Dbl. Frames
2 1/2" <i>plate</i>	3/16"	(bulb)	48"	One to Aft-awning Deck	Double
in hold do. do.	3/16"	Vrtel. 6x3x10"	48"	Two to Main Deck, &	
	5/16"	Horiz. 6x3x10"	48"	Two to R. Q. Deck	
Number of Breasthooks 8		Vrtel. 4x3x10"	48"	to R. Q. Deck	Single
Crutches 4		Horiz.			
	5/16"	Vrtel. 5x3x8 1/2"	48"	to Part-awning Deck &	
		Horiz.		R. Q. Deck	

The **FRAMES** extend in one length from *tank side* to *gunwale*. Riveted through Plates with 7/8" in. Rivets, about 6 1/2" apart.
 The **REVERSED ANGLE** on floors and frames extend from *are formed as per sketch of Midship Section*.

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" in diameter, averaging 4" 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 3 1/2" ins. from centre to centre.
Butts from Keel to turn of Bilge, worked carvel, treble or double riveted; treble for 1/2" lgth.; with rivets 7/8" in dia., averaging 3 1/8" ins. from cr. to cr.
Butts of all Strakes at Bilge for 1/2" length, treble riveted with Butt Straps 3/16" thicker than the plates they connect.
Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets 7/8" in diameter, averaging 3 1/2" ins. from centre to centre.
Butts from Bilge to Main Sheerstrake, worked carvel, treble or double riveted; treble for 1/2" lgth.; with rivets 7/8" in dia., averaging 3 1/8" ins. from cr. to cr.
Edges of Main Sheerstrake, double or single riveted. **Spars or Aft-awning Sheerstrake**, double or single riveted.
Butts of Main Sheerstrake, treble riveted for 1/2" length amidships. **Butts of Spars or Aft-awning Sheerstrake**, treble riveted length amidships.
Butts of Main Stringer Plate, treble riveted for 1/2" length amidships. **Butts of Spars or Aft-awning Stringer Plate**, treble riveted for 1/2" length amidships.
Butts of Inner Bottom Plating double riveted for 1/2" length. **Butts of Centre Girder** treble riveted.
Breadth of edge laps of Shell Plating in double riveting 6" 5/4" 4 1/2" **Breadth of edge laps of Shell Plating** in single riveting 6" 5/4" 4 1/2"
Butt Straps of Shell Plating, breadth and thickness 19" 11/16" x 19" 11/16" and 15" 11/16"
Butt Straps of Keelsons, Stringer and Tie Plates, treble or 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.?
Steel - Silcock Master; Iron - Palmer & Sons, Dorman Long & Co. Ltd., Halliwell Iron Co., and J. Mill & Co. - Shelton.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed, where practicable.*

Is the riveted work properly closed? *Yes.*

Are the liners between the frames and plates solid single pieces? *Yes.*

to plate, &c., conform well to each other? *Yes, generally.*

from the faying surfaces? *Yes.*

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

MASTS, SPARS, &c.

LOWER MASTS...	Material	Total length	DIAMETER AND THICKNESS				No. of Plates in round	ANGLES		RIVETING	
			At Partners	Heel	Hounds	Head		Number	Size	Seams	Butts
Fore	Iron	72.0	22 x 9/16	19 x 9/16	17 1/2 x 9/16	15 x 9/16	2	12	Double	Double	
Main	do.	79.0	21 x 9/16	18 x 9/16	16 1/2 x 9/16	14 x 5/16	2	12	Double	Double	
Mizen	as approved in Secretary's letter										

Bowsprit ✓

Topmasts, Yards and Remainder of Spars *Red Pine*

Rigging, Material and Size, Shrouds *3 3/4" Wire Iron*

Sails. *Out* Suit of *Stays 1 1/4" Iron wire*

Sails and the following spare sails

EQUIPMENT No. 25759 LETTER S

ANCHORS.

Number of Certificate	Description of Anchor	Makers	Where and when tested and Superintendent	WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQ. P'R RULE			
				Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.
30699	1st Bower	Hartshorn's Patent	4/19/91. Hetherington Machine	40	1	10	36	0	2	14	40	0	0	40	0	0
30698	2nd "	do.	4/19/91. G. Horspool	39	1	7	35	7	0	21	40	0	0	40	0	0
30700	3rd "	do.	4/19/91. Asst. Supt.	35	0	11	32	9	1	14	34	0	7	34	0	7
	4th "	do.		30	0	11	28	9	1	14	34	0	7	34	0	7
	Collective weight			110	1	0	114	0	7							
13836	Stream	Wood	25/8/91. Tipton Machine	10	2	21	12	13	0	14	10	2	0	10	2	0
13835	Kedge	do.	3/18/91. S. R. Laitt	5	2	7	7	18	1	21	5	1	0	5	1	0
13837	2nd Kedge	do.	25/8/91. Supt.	2	2	0	3	0	0	0	2	2	0	2	2	0

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	Fathoms & Size Per Rule
12235	135 3/4	1 3/4	59 1/8	232.3.9		do.	3/18/91. S. R. Laitt	Hawser	2 1/2"	80	6	
12244	75	1 1/8	22 3/4	58.0.18	75 - 1 1/8	do.	27/8/91. Supt.			80	5 1/2	
Iron Stream Chain or Steel Wire	90	4"	23		90 - 4"	Steel Wire						
Towline if steel wire	90	3 1/4"	22		90 - 3 1/4"	do.						

Boats *2 Lifeboats, 1 gig, and 1 jollyboat.*

Pumps, Number *7.* Diameter of Barrel and Tail Pipe *6" x 3".*

The Windlass is *Iron, good.* Capstan *Wrought, good.*

Engine Room Skylights.—How constructed? *of Iron & Steel*

What arrangements for deadlights in bad weather? *Strong steel shutters with bulls' eyes fitted.*

Coal Bunker Openings.—How constructed? *of Iron.* How are lids secured? *2 1/2" bolts.* Height above deck? *12".*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *open bulwarks in way of Part-awning Deck, and four ports aft, each 22 1/2" x 15".*

Cargo Hatchways.—How formed? *of Iron plates & angled.* Hatches.—If strong and efficient? *Yes. 3' x 2 1/2".*

State size No. 1 Hatch (Forward) *16.0 x 14.0* No. 2 Hatch *24.0 x 15.0* No. 3 Hatch *20.0 x 15.0* No. 4 Hatch *20.0 x 15.0*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *One web in No. 1, and two webs in other hatchways.*

Bulwarks, height above deck and description *of IRON, WITH 100 RIVETS & PAIRS (OPEN)* Main Rail, material and size ✓

The above is a correct description.

Builder's Signature (here only) *Resnick* Director.

Surveyor's Signature *L. P. Phillips* Surveyor to Lloyd's Register of British and Foreign Shipping.