

Spar, Awning or Part Awning Dk.

IRON OR STEEL STEAMER.

3792 (Received at London 21 OCT 1890)

State if Report is also sent on the Machinery of the Vessel from Glasgow.

Date of completion of Report 20th Oct. 1890 Port of Belfast

No. 3792 Survey held at Belfast Date, First Survey 27th July 90 Last Survey 10th Sept 18 90 On the steel screw steamer Othelwold Rig Schooner

Table with columns for Tonnage under Deck, Do. between Tonnage Dk. and 3rd, 4th, Spar or Awning Dk., Total under Upper Dk., Do. of Poop, Do. of Rais-d-qr., Dk. or Break of Bridge House, Houses on Deck, of excess of Hatchways, of Forecastle, No. above Crown of Engine Room, ss. Tonnage, ss. Crew Space, above Crown of Engine Room, SE FOR FEES., Engine Room, Navigation Spaces.

SPAR, AWNING OR PART AWNING-DECKED VESSEL, or a Vessel having a continuous Shade Deck.

Table with columns for CLASS, Half Breadth, Depth, Girth, 1st Number, Length, 2nd Number, Proportions, Depths to Length.

Master C. B. H. Bernpohl Year of Appointment (1) As Master in service of owner of present vessel: 1888 (2) As Master of this vessel: 1890 Built at Belfast When built 1890 Launched 14th Aug 1890 By whom built Workman Clark & Co. Owners Colvils London & Co. Managers Macgregor & Co. Ltd. Residence Glasgow Port belonging to Glasgow.

Table with columns for Tonnage, Breadth, Depth, Power of Engines, No. of Decks, No. of Tiers of Beams.

Dimensions of Ship per Register, Length 208 breadth 28.5 depth 19.7 Moulded depth, ft. 15 ins. To Main Dk. Beam, Main Dk. 7 ins.

Table for FORGINGS AND CASTINGS with columns for Item, Dimensions, Material.

Table for FRAMING with columns for Item, Dimensions, Material.

Table for KEELSONS AND STRINGERS with columns for Item, Dimensions, Material.

Table for PLATING with columns for Item, Dimensions, Material.

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

* If iron or steel plating is of alternate thicknesses, state in which direction the thickness varies.

BEL 51-0235 (1/2) BEL 51-0235 (2/2)

BULKHEADS.		No. in Vessel	Four	No. Req'd. by Rule	4
Thickness	Angles	Spacing	Height up	Sngl. or Dbl. Frames	
W. T. BULKHEADS	Four	Vrtel. 33x3x2 1/2	30	3 are carried up	All fitted
		Hrztl. 33x3x2 1/2	48	to Awning deck	between side
		Vrtel.		one (aft) to m. deck	frames
		Hrztl.			
PARTITIONS		Vrtel.			
		Hrztl.			
LONGITUDINAL		Vrtel.			

Are the outside Plates doubled two spaces of Frames in length *in way of 70 ends? Yes.*

The FRAMES extend in one length from *flange of b flange to distance to Awning deck* Riveted through Plates with *3/4* in. Rivets, about *5/8* apart

The REVERSED ANGLE on floors and frames extend from *middle line to flange plate thence to main deck.*

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.

Garboard, double riveted to Bar Keel or Flat Plate Keel, with rivets *1* in. diameter, averaging *4 1/2* ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, and double riveted, with rivets *3/4* 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 *3/4* length, with rivets *3/4* in. dia., averaging *2 1/2* ins. from cr. to cr.

Butts of *3* Strakes at Bilge for *3/4* length, treble riveted with Butt Straps *3/8* thicker than the plates they connect. *Butt straps and nutting in way of 70 ends.*

Edges from Bilge to Main Sheerstrake, worked clencher, double or single riveted; with rivets *3/4* 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 *3/4* length, with rivets *3/4* in. dia., averaging *2 1/2* ins. from cr. to cr.

Edges of Main Sheerstrake, double or single riveted. *Space* Awning Sheerstrake, double single riveted.

Butts of Main Sheerstrake, treble riveted for *3/4* length amidships. Butts of *Space* Awning Sheerstrake, treble riveted *whole* length amidships.

Butts of Main Stringer Plate, treble riveted for *3/4* length amidships. Butts of *Space* Awning Stringer Plate, double riveted for *whole* length.

Butts of Inner Bottom Plating Double riveted for *3/4* length amidships. Butts of Centre Girder lapped and treble riveted.

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

Butt Straps of Shell Plating, breadth and thickness *3/8 x 1 1/2* x *1 1/2* x *6* x *1 1/2* x *1 1/2* Butts, if lapped, breadth of laps

Butt Straps of Keelsons, Stringer and Tie Plates, treble or double, riveted *Treble and Double.*

Manufacturer's name or trade mark of the *Iron* Steel (state process of manufacture of Steel) used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? *Remens Martin steel* Frames *Steel of Scotland*, Riv. frames *Keelson and Stay*

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed.* *West Lumberland & Floor Constn. All*

Is the riveted work properly closed? *Yes.* *Do the holes for riveting plate to frames, butt straps, or plate*

Are the liners between the frames and plates solid single pieces? *Yes.* *Do 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 plating? No.*

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 rounds.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.		Number.	Size.	Seams.	Butts.
Fore	P. 10	62.6 + 26.0	15	12	12					
Main	P. 10	55.6 + 26.0	15	12	12					
Mizen										

Bowsprit *Fore and aft Schooner rig.*

Topmasts, Yards and Remainder of Spars *Fore and aft Schooner rig.*

Rigging, Material and Size, Shrouds *Fore and aft Schooner rig.* Stays *Fore stay 3 1/2 main 3 1/2 S. I. W.*

Sails, *Best Canvas* Suit of *Schooner F. P. A.* Sails and the following spare sails *None.*

EQUIPMENT No. 13255 LETTER

Number of Certificate.	1st Bower	2nd	3rd	4th	Collective weight	WEIGHT, EX STOCK		TEST, PER CERTIFICATE		WEIGHT REQ'D BY RULE		Description of Anchor.	Makers.	Where and when tested and Superintendent.	
						Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.				Cwts.
12668	117	1	0	4	2	10	16	8	3	2	16	3	0	Trotmans	S. Hartshorn Co. Lipton 29/7/90 Int. Sec'tn.
27407	115	3	10	3	2	20	17	5	1	7	16	3	0	Rodgers	Redburn 17/3/90 Int. Sec'tn.
12607	114	1	0	3	2	31	15	16	3	14	14	1	0	do	Lipton 30/6/90 Int. Sec'tn.
														do	do
														do	do
12667	5	2	14	11	2	0	7	18	1	20	5	12	16	do	do
12393	2	3	4	1	3	7	5	7	2	0	2	3	12	do	do
														do	do

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate Tons.	Weight of Chain Cable Per Rule.	Fathoms & Size. Per Rule.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Fathoms.	Size.	Fathoms & Size. Per Rule.
11209	121	1 1/2	3457	108-2-25	do	do	do 30/6/90 do	Hawser	found at Glasgow	90 x 9		

HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate Tons.	Weight of Chain Cable Per Rule.	Fathoms & Size. Per Rule.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Fathoms.	Size.	Fathoms & Size. Per Rule.

Boats *2 life boats 24-6" x 7-6" x 3-2" - 1 cutter 18-9" and 1 dingy*

Pumps, Number *Two in holds one in fore peak* Diameter of Barrel and Tail Pipe *5" holder 4" peak - pipe 2 1/2"*

The Windlass is *Harfield's patent hand & can be worked by messenger chain from winch.*

Engine Room Skylights.—How constructed? *Steel framed skylight sitting upon casing 7-3 high above Awning deck.*

What arrangements for deadlights in bad weather? *Solid bulls eye lights in steel shutters.*

Coal Bunker Openings.—How constructed? *Strong cast iron* How are lids secured? *Bayonet fastening* Height above deck? *Flush with*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Open rail all fore and aft*

Cargo Hatchways.—How formed? *By iron plates 1/2" riveted to ribs through 3x3x4 1/2 Hatches.—If strong and efficient? Yes, 3 Y.P. solid*

State size No. 1 Hatch (Forward) *12-9 x 10-0* No. 2 Hatch *10-10 x 10-3* No. 3 Hatch *No. 4 Hatch*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *No. 1 has one shifting beam and both hand*

Bulwarks, height above deck and description *Open rail* Main Rail, material and size *do*

The above is a correct description.

Builder's Signature (here only) *J. V. Workman*

Surveyor's Signature *James Maxton*

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

Order for Special Survey No. *263*

Date *8th July 1889*

Order for Ordinary Survey No. *✓*

Date *✓*

No. *72* in builder's yard.

State dates and initials of letters respecting this case *16th May, 13th June, 1889, & 17th June 1890.*

General Remarks (State quality of workmanship, &c.)

This Awning Deck Steel Screw Steamer has been constructed in accordance with the approved M.S. (sent to London, 11th Oct 1890.) the profile plan, and pumping arrangement enclosed; the Secretary's letters of above date; the Rules of the Society for First Entry of Iron Steel Steamers, or equal thereto and to the satisfaction of the undersigned.

The Steel used in the construction of the vessel has been tested as required by the Rules and the material and workmanship throughout are good and satisfactory.

The machinery has been put on board at Glasgow and the wood and metal work left loose in way of same closed in at that port, where likewise the hawsers and stream chain, or wire are to be put on board and the freeboards marked in accordance with the Secretary's letter.

Intimation of the foregoing requirements was sent to the Surveyors at Glasgow.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. or Break *✓* 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) *3 decks including Awning Deck (all wood except in way of machinery where M.D. is Steel only)*

Official No. *48584*; Signal Letters *do*

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 *146-8* in 3 divisions and water capacity in tons *163*

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.

(If necessary, furnish further information by sketch.)

How are the surfaces preserved from oxidation? *Inside Cement to upper turn of bilge then painted outside paint.*

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated *20th Sept 1890*

In Summer *1* ft. *0 1/2* ins. *To top of Wood, Iron or Steel Upper Spar, Awning, or Part Awning Deck.*

In Winter *1* ft. *0 1/2* ins. *Letter sent to the Surveyors at Glasgow for their information*

For Winter in North Atlantic *1* ft. *5 1/2* ins.

Fresh Water above the centre of disc *3 1/2* ins.

State if marked on Vessel's sides in accordance with Notice No. 572 *no* to be marked at Glasgow.

The amount of Entry Fee *£ 3 : 0 : 0* is received by me *PPC* Certificate to be sent to *Belfast*

Special *£ 44 : 6 : 0* *24/10/1890*

Certificate *£ 3* gratis.

Travelling Expenses, if any *£*

I am of opinion this Vessel should be Classed *+100 A1. Awning Deck Steel*

Sec'y. *2 Dks & Awning Deck L.A.C.P. Cem.*

Surveyor to Lloyd's Register of British & Foreign Shipping. *James Maxton*

Committee's Minute *FRI 24 OCT 1890*

Character assigned *100 A1 Steel Awning Deck*

It is submitted that this vessel appears to be subject to the provisions of the Rules, and that the requirements of the Rules are complied with.

L.A.C.P. + L.A.C.P. 10/90

20 Dks & Awning Deck etc. and Awning Deck

Cell. D. B. (particulars) as above

Form No. 1 C

1851-0235(2/2)