

BULKHEADS. No. in Vessel 219 No. Reqd. by Rule 219

Ceiling betwixt Decks, thickness and material 2 1/2" W.T. Bulkheads

in hold do. do. 2 1/2" W.T. Bulkheads

Number of Breasthooks 9

Crutches 1

LONGITUDINAL 5/16" W.T. Bulkheads

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

The FRAMES extend in one length from Tank side to gunwale Riveted through Plates with 7/8" in. Rivets, about 6" apart

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

Garboard, double riveted to Base Keel or Flat Plate Keel, with rivets 1/2" 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 3/4" length; with rivets 7/8" in. dia., averaging 3 1/2 ins. from cr. to cr.

Butts of all Strakes at Bilge for half length, treble riveted with Butt Straps 4/16" thicker than the plates they connect. or overlapped

Edges from Bilge to Main Sheerstrake, worked clencher, double 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 3/4" length; with rivets 7/8" in. dia., averaging 3 1/2 ins. from cr. to cr.

Edges of Main Sheerstrake, double riveted. Span or Awning Sheerstrake, double riveted.

Butts of Main Sheerstrake, treble riveted for 3/4" length amidships. Butts of Span or Awning Sheerstrake, treble riveted length amidships.

Butts of Main Stringer Plate, treble riveted for 3/4" length amidships. Butts of Span or Awning Stringer Plate, treble riveted length amidships.

Butts of Inner Bottom Plating double riveted for half length. Butts of Centre Girder Treble riveted.

Breadth of edge laps of Shell Plating in double riveting 1 1/4" 5 1/4"

Butt Straps of Shell Plating, breadth and thickness 2 1/2" 9/16" x 1 1/2"

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

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.?

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

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

from the faying surfaces? Yes

Are the rivets break into or through the seams or butts of plating? A few

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 Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Fore Mast.	Iron	74.3	22 x 9/16	19 x 5/16	17 1/2 x 9/16	15 x 7/16	Two	✓	✓	Single	Treble
Main Mast.	Iron	85.6	21 x 9/16	18 x 5/16	16 1/2 x 9/16	14 x 7/16	Two	✓	✓	Single	Treble
Mizzen Mast.	Iron	74.3	22 x 9/16	19 x 5/16	17 1/2 x 9/16	15 x 7/16	Two	✓	✓	Single	Treble

Receptacles for Yards and Remainder of Spars

Rigging, Material and Size, Shrouds 3/4" Steel wire

Sails. One Suit of Sails and the following sparsails

EQUIPMENT No. 29807 LETTER Z

ANCHORS.

Number of Certificate.	Description of Anchor.	WEIGHT, EX STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQ. PER RULE.			Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.			lbs.
23843	1st Bower	43	3	15	—	—	—	38	12	2	0	42	2	0	Walthams Smith's	21/6/92 Sunderland
23842	2nd "	42	2	0	—	—	—	37	10	0	0	42	2	0	Chas. L. Sons	— J. H. Hattess
23844	3rd "	36	1	12	—	—	—	33	7	0	21	36	1	0	—	—
31744	Stream	11	0	20	2	3	8	13	2	2	0	10	2	0	Ordinary	2/3/92 R. E. Hutton
31721	Kedge	5	2	4	1	1	19	7	18	1	21	5	2	0	—	—
31720	2nd Kedge	2	2	0	—	—	—	3	6	1	0	2	2	0	—	—

CHAIN CABLES.

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.
23061	135 5/8	1 7/8	88 1/2	63 1/2	235.2	14 270-1 1/4	Stud link	Good Acton 4/3/92 R. E. Hutton	TOWLINE Steel	90	2 1/2	90-2 1/2
21473	134 7/8	1 7/8	—	241.0	17 47.6	3 3/4	—	—	Hawser Manila	90	8	90-8
23062	75 7/8	1 1/8	34 7/8	22 3/4	49.3	14 75-1 1/8	—	—	Steel wire	—	—	—
Iron Stream Chain	—	—	—	—	—	—	—	—	Tested by R. Hood Haggie & Son	—	—	—
Towline if steel wire	100	2 1/4	—	—	—	100-4	Stud link	R. Hood Haggie & Son 12/8/92	—	—	—	—

HAWSERS AND WARPS.

Boats 2 Life boats & 2 others

Pumps, Number 8 Deck pumps

The Windlass is Emerson Walker & Thompson Mfg.

Engine Room Skylights. How constructed? Iron on iron casing 6" above awning deck

What arrangements for deadlights in bad weather? Thick glass bullseyes in iron hinged covers

Coal Bunker Openings. How constructed? Hatch covers each side

Number of Scuppers, and number and dimensions of Freeing Ports, &c. 4 Ports (23" x 16"), 5 Scuppers, & 2 Muzzing pipes each side of Quarter Deck; open bulwarks on Port Awning deck.

Cargo Hatchways. How formed? Steel plate coamings

State size No. 1 Hatch (Forward) 15.11 x 13.4 No. 2 Hatch 23.9 x 15.8 No. 3 Hatch 23.9 x 15.10 No. 4 Hatch 23.9 x 14.10

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch 1 web in No. 1 hatch, 2 webs in No. 2, 3 & 4 hatches

Bulwarks, height above deck and description Plating 12" above Q's deck.

Main Rail, material and size 6" bulk angle

The above is a correct description of the ship, with & CO. LIMITED.

Builder's Signature (here only.) Leonard Mills

Surveyor's Signature R. E. Hutton

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

Order for Special Survey No. 1531
Date 14 Dec 1891
No. 195 in builder's yard.

- 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
First Visit 18 Jan 1892
Last 3rd Sept 1892

State dates and initials of letters respecting this case. 1891-1892. 11. Oct. 5. 9. 15. 17. 19. 21. Nov. 9. 12. 13. 19. 23. 30. 30. Dec. 29.
1892 Jan. 23. Feb. 11. Aug. 12. 27.

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

The workmanship is good, and the vessel has been constructed in accordance with the plans (4 in No.) which together with one Forging Report are attached hereto.

This is a sister vessel to the S.S. "Birdswald" see W.H. Pool 1st Entry Report No. 8863, except for a slight difference in the hold stringer which is in accordance with what was fitted in the S.S. "Easton" W.H. Pool 1st Entry Report No. 8761.

- Plans.
Midship Section
Profile
Masts
Pumping plan

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Deck 131 ft., R.Q.D. or Base 183 ft., Bridge 183 ft., Funnel 4 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

Part Awning deck & Quarter deck connected.

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) One deck (Steel & Iron) & part Awning deck (Iron) and web frames.

ARTICULARS 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 268 ft. and water capacity in tons 512.
Fore peak tank, water capacity in tons ✓. After peak tank, water capacity in tons 47.
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.

How are the surfaces preserved from oxidation? Inside Dunlop's Cement & paint Outside Paint

FREEBOARD assigned by the Committee, as per Secretary's Letter, dated 12th August 1892
In Summer 9 ft. 4 1/2 ins.
In Winter 9 ft. 9 ins.
For Winter in North Atlantic 10 ft. 1 1/2 ins.
Fresh Water above the centre of disc 5 ins.
Statutory deck line at To top of Wood, Iron or Steel Upper Spar, Awning, or Part Awning Deck.

amount of Entry Fee £ 5 : is received by me, ✓
Special... £ 97 : 9 : 6 : 9 : 1892
Certificate* £ ✓
Travelling Expenses, if any £ ✓

* Certificate to be sent to
Cas. Forth.
Surveyor to Lloyd's Register of British & Foreign Shipping.

of opinion this Vessel should be Classed 100 A.1
Part Awning deck, with Freeboard.

Committee's Minute FRI 9 SEP 1892
Character assigned 100 A.1 Steel
pt. Awning dk.
with freebd 9' 4 1/2
at & p
mcq. 92

1 Bk/pt. Ssl. pt. Ssl. 2 A. B. & Web
frames & pt. Awn. dk. Part
7 K

This vessel is reported to have been built in accordance with the Rules and Regulations of the Committee, and is classed 100 A.1 (Steel) & Awning dk. as recommended. The Surveyor Freeboard of 9' 4 1/2" from the centre of the disc to the top of the upper spar, is entered in the results under, to be entered in the certificate of classification and registered in the Register of British & Foreign Shipping, as per verification report attached hereto. It is also entered in the classification certificate.

Att. D. B., alias A.P.T. (particulars above)
F. H.
Lloyd's Register Foundation