

PLATING.										RIVETING.										
STRAKES.	AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.				
	AMIDSHIP.		FORWARD.		AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.			
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Diam.			Spacing cr. to cr.	Diam.		Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.			
																		Inches.	16ths.	16ths.
FLAT PLATE KEEL.....	36	16	12	12	✓	36	16	Double	6	1	4	3R-7/8	1 3/8	19	19	✓	✓	✓		
(If Bar Keel, state Riveting)	26	12	11	12	✓	36	12	Double	5 1/2	7/8	3 1/2	3R-7/8	7/8	18 1/2	16	✓	✓	✓		
GARBOARD OF A Strake ...	48	11	9	11	✓	11	✓	Double	11	✓	Double	11	✓	15	✓	✓	✓	✓		
State actual thickness in way of Double Bottom.	40	12	9	13	✓	12	✓	Double	12	✓	Double	12	✓	16	✓	✓	✓	✓		
B " " " " " " " " " " " "	48	11	9	11	✓	11	✓	Double	11	✓	Double	11	✓	15	✓	✓	✓	✓		
C " " " " " " " " " " " "	40	12	9	13	✓	12	✓	Double	12	✓	Double	12	✓	16	✓	✓	✓	✓		
D " " " " " " " " " " " "	48	11	9	11	✓	11	✓	Double	11	✓	Double	11	✓	15	✓	✓	✓	✓		
E " " " " " " " " " " " "	40	12	9	12	✓	12	✓	Double	12	✓	Double	12	✓	16	✓	✓	✓	✓		
F " " " " " " " " " " " "	46	11	9	11	✓	11	✓	Double	11	✓	Double	11	✓	15	✓	✓	✓	✓		
G " " " " " " " " " " " "	48	12	9	12	✓	12	✓	Double	12	✓	Double	12	✓	16	✓	✓	✓	✓		
H " " " " " " " " " " " "	48	11	9	9	✓	11	✓	Double	11	✓	Double	11	✓	15	✓	✓	✓	✓		
J " " " " " " " " " " " "	40	12	9	9	✓	12	✓	Double	12	✓	Double	12	✓	16	✓	✓	✓	✓		
K " " " " " " " " " " " "	48	11	9	9	✓	11	✓	Double	11	✓	Double	11	✓	15	✓	✓	✓	✓		
L " " " " " " " " " " " "	40	12	9	9	✓	12	✓	Double	12	✓	Double	12	✓	16	✓	✓	✓	✓		
M " " " " " " " " " " " "	46	13	9	9	✓	13	✓	Double	13	✓	Double	13	✓	17	✓	✓	✓	✓		
Sheer Strake N " " " " " " " " " " " "	42	16	10	10	✓	42	16	Double	15	✓	Double	15	✓	19	✓	✓	✓	✓		
O " " " " " " " " " " " "																				
P " " " " " " " " " " " "																				
Q " " " " " " " " " " " "																				
R " " " " " " " " " " " "																				
DOUBLING OF Flat Plate Keel	✓																			
Length and thickness of Bilges	✓																			
Length and thickness of Sheerstrakes	✓																			
Length and thickness of Strake below	✓																			
POOP SIDES					7			7	✓	Single	Double	✓								
BRIDGE SIDES		7	✓					7	✓	Double	Double	✓								
FORECASTLE SIDES				7	✓			7	✓	Double	Double	✓								

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.?

Mild Steel - Stockton Malleable Iron & Steel Co.
Dorman Long & Co.
Mild Iron - Stockton Malleable Iron Co.

Upper Deck { Butts, treble riveted for length amidship.
Stringer Plate { Straps, single, double overlapped for 3/4 length amidship.
Middle Deck { Butts, treble riveted for length amidship.
Stringer Plate { Straps, single, double overlapped for 3/4 length amidship.
Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? Treble.
Inner Bottom Plating, riveting of Edges Single & Double Butts Double & Single.
Centre Girder Butts, Treble riveted Keelson Butts, riveted.
Frames, riveted through Plates with 7/8 in. Rivets, about 6" apart.
Rivets, state whether Iron or Steel. Iron

FRAMES extend in one length from *Starboard Side* to *gunwale* ✓
REVERSED FRAMES on floors and frames extend from *Starboard Side* to *upper & middle decks alternately*. ✓
all to upper deck in after peak & in way of openings in deck. ✓

MASTS, SPARS, &c.																			
LOWER MASTS.....	Fore	Main	Mizzen	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.		Seams.	Butts.			
						At Partners.	Heel.	Hounds.	Head.		Number.	Size.							
				Steel	71.11	18 1/2 x 20	14 1/2 x 4 1/2	15 1/2 x 4 1/2	13 x 4 1/2	Two	✓	✓	Single	Double		✓			
				—	64.0	—	—	—	—										
Rigging, Material and Size, Shrouds 4 Shrouds 3" gal. steel wire. Stays 3 1/2" & 3 1/2" steel wire.																			
Sails. One Suit of Sails, and the following spare sails.																			

EQUIPMENT No. 28402 LETTER t ANCHORS.																			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQ. BY RULE.			Description of Anchor.	Makers.	Where and when tested and Superintendent.			
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	Cwts.	qrs.	lbs.						
27904	1st Bower	48	2	0	—	—	—	38	5	0	42	2	0	Byers patent	W. Byers	22.6.95	Starbuck		
27857	2nd "	42	2	0	—	—	—	37	10	0	42	2	0	Stockless	W. Byers	11.6.95	Sunderland		
27759	3rd "	36	2	0	—	—	—	33	11	3	44	3	0	—	Sunderland	28.5.95	—		
	Collective weight	123	3	0	—	—	—	121	1	0	—	—	—	Drop test certificate for Cast Steel Legs.					
27929	Stream	10	3	14	2	3	0	12	15	1	10	3	0	Byers	J. Taylor	26.6.95	Starbuck		
27927	Kedge.....	5	2	0	1	1	14	7	16	1	5	2	0	—	W. Byers	—	Sunderland		
	2nd Kedge.....																		

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size per Rule.					
				Supplied.	Per Rule.														
11530	240	1 1/8	88 1/2-155	433.2	1742.5	1.0	240-1 1/8	Starbuck	J. Taylor	29.6.95	Starbuck	TOWLINE	Starbuck	100	4"	3100	100-4"		
11532	75	1 1/8	245-225	490.4	482.6	2.6	75-1 1/8	—	W. Byers	13.6.95	Sunderland	HAWSER	—	90	5 1/2"	2200	90-5 1/2"		
												WARP	manilla	90	8"	—	90-8"		
Iron Stream Chain or Steel Wire ...																			

Boats 2 Life boats and 2 others
Pumps, Number 8 Deck Pumps
Windlass is Emerson, Walker & Thompson bro.
Engine Room Skylights. How constructed? Iron on Iron casing 3' above bridge deck
What arrangements for deadlights in bad weather? Thick glass bullsheads in iron hinged covers.
Coal Bunker Openings. How constructed? Hatch each side How are lids secured? Bars & Harpaulins Height above deck? 15"
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 6 Scuppers, 8 Ports (30" x 24") Each side of ship.
Ceiling in Holds, thickness and material. 2 1/2 W.P. Ceiling 'tween Decks, thickness and material. 7 x 2 1/2 W.P. battens
Cargo Hatchways. How formed? Plate Coaming 38" high above deck Hatches, if strong and efficient? Yes, Solid.
State size No. 1 Hatch (Forward) 20.0 x 16.0 No. 2 Hatch 28.0 x 16.0 No. 3 Hatch 20.0 x 16.0 No. 4 Hatch 20.0 x 16.0
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. 2 webs in No. 2, 1 web in Nos. 1, 3 and 4, and 3 webs and Afters in each Hatchway
No. of Breasthooks 5 & 4 Dup floors No. of Crutches 14 Dup floors
Bulwarks, height above deck and description Iron plate 53" high above deck Main Rail, material and size 7" bulb angle
The above is a correct description.
Builder's Signature (there only) Thos. Turnbull & Son Surveyor's Signature Chas. Powling
Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

1895. Jan²⁴. 7. May 24 June 17. July 3.

Workmanship. Are the butts of plating planed or otherwise fitted?

Planed

Are 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.

Do the holes for riveting plate to frames, butt straps, or plate

from the faying surfaces?

Yes.

Are the rivet holes well and sufficiently countersunk in the plate and punched

Do any rivets break into or through the seams or butts of plating?

Yes.

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

A few

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

The workmanship is good & the vessel has been constructed in accordance with the approved plans (H in No.) which together with one Forgings Report are attached hereto.

The fore & after plates have been filled with water to height of load line, & bulkheads & shell found good. The iron decks and tunnel have been tested by hose. Deck pumps proved satisfactory.

Drawings.
Crossing Section Forwarded 20 Aug.
Profile
Iron masts
Pumping plan.

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 29 ft., R.Q.D. or Break ✓ ft., Bridge Dk. 61 ft., F'castle 32 ft. (in feet and tenths). When the Poop 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) One deck (iron) 2 tiers of beams First frames deep framing

Official No. 106101; Signal Letters ✓

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

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system

Yes.

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	100 ✓	260	Fore peak tank,	✓	✓
Double bottom, forward,	120 ✓	286	After peak tank,	✓	✓
Double bottom, under Engines and Boilers,	22 ✓	58	Midship deep tank,	✓	✓
Double bottom, if under Engines only,	✓	✓	Other tanks, if fitted,	✓	✓
Double bottom, if under Boilers only,	✓	✓	(If necessary, furnish further information by sketch.)		

open well for 20 ft. under boilers

State whether the above have been tested as required by the Rules.

Yes.

Order for Special Survey No. 1615

Date 8th Jan. 1895

Order for Ordinary Survey No.

Date

No. 128 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.

First visit, 8th March, 1895

Last visit, 17th Augst, 1895

Total No. of Visits 19

The amount of Entry Fee£ 5 :
Special Survey Fee ...£ 89 : 7 : 6
Travelling Expenses, if any £ 11 : 16 : 8

Fees applied for, 23.8.1895
Received by me, 26.8.1895

Certificate to be sent to

I am of opinion this Vessel should be Classed *100A1

With, ~~or without~~ Freeboard, as condition of Class

Chas. F. Whiting

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

Committee's Minute

FRI. 30 AUG 1895

Character assigned

as per

100A1 Steel

with f.b.d. 84"7

+ 2 mcs. 95

1 Deck (iron) 2 sub 2 deep framing

W. F. F. Rule



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HPL 375 - 0155(2/2)