

PLATING.										RIVETING.									
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.				
STRAKES.	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 or to cr.	Inches.		Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.	
	Inches.	$\frac{1}{16}$ or $\frac{1}{8}$ in.	$\frac{1}{16}$ or $\frac{1}{8}$ in.	$\frac{1}{16}$ or $\frac{1}{8}$ in.	Inches.	$\frac{1}{16}$ or $\frac{1}{8}$ in.		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.	Feet.		
FLAT PLATE KEEL	36	19	12	12	36	19	Rounded	6	1	4	4 R.	1	3½			14	Whole L.		
(If Bar Keel, state Riveting)																			
GARBOARD OF A Strake	42	13	11	11	42	13	"	5¼	7⁄8	5⁄8	3 R.	7⁄8	3½			9	"		
State actual thickness in way of Double Bottom.																			
B "	46	11	9	9	46	11	"	"	"	"	"	"	"	"	"	"	"		
C "	54	10	9	9	54	10	"	"	"	"	"	"	"	"	"	"	"		
D "	54	10	9	9	54	10	"	"	"	"	"	"	"	"	"	"	"		
E "	46	12	10	10	46	12	"	"	"	"	"	"	"	"	"	"	"		
F "	54	12	10	10	54	12	"	"	"	"	"	"	"	"	"	"	"		
G "	46	13	10	10	46	13	"	"	"	"	"	"	"	"	"	"	"		
H "	54	11	9	9	54	11	"	"	"	"	"	"	"	"	"	"	"		
J "	46	12	9	9	46	12	"	"	"	"	"	"	"	"	"	"	"		
K "	54	11	9	9	54	11	"	"	"	"	"	"	"	"	"	"	"		
Main Sheer L "	45	13	9	9	45	13	"	"	"	"	"	"	"	"	"	"	"		
M "	54	14	8	8	54	14	"	5½	6¾	1 3⁄4	4	"	"	"	"	10½	"		
Span. Sheer N "	40	18	9	9	40	8	"	6.3	1 7⁄8	1 3⁄4	3½	"	"	"	"	"	"		
O "	The base plate & the plates above & below the same are 3⁄16 thicker than the plating at ends of ship																		
P "																			
Q "																			
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges																			
of Sheerstrakes																			
of Strake below																			
At ends of Bridge																			
14 and 16 ft. long.																			
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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. *Siemens Martin Steel.*
Plates, Glasgow, Steel Co. of Scotland, & Dalzell.
Anglo Butts & Co. Glasgow, & Hullside.
Iron Plates, South Durham.

Spar or Awning Butts, treble riveted for $\frac{3}{4}$ length amidship.
Stringer Plate (Straps, single, double or overlapped for *whole* length amidship.
Main Stringer Butts, treble riveted for *whole* length amidship.
Plate (Straps, single, double or overlapped for *whole* length amidship.
Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted?
Inner Bottom Plating, riveting of Edges *2 x 5*. Butts *2 x 3*.
Centre Girder Butts, *treble* riveted **Keelson Butts**, *treble* riveted.
Frames, riveted through Plates with $\frac{7}{8}$ in. Rivets, about *6* apart.
Rivets, state whether Iron or Steel. *Iron.*

FRAMES extend in one length from Center line to tank side & from tank side to gunwale.
 REVERSED FRAMES on floors and frames extend from Main plate to center line, and thence to Spar & Main Ribs
 alternately, all to Spar Ribs abaft after peak & in way of Bridge, and either to Side Ribs or Legend to double in
 Feb 24

[illegible]

Topmasts, ~~Spars~~ and Remainder of Spars *P. Pine* Stays *S. S. 12. 4"*
Rigging, Material and Size, Shrouds *G. S. 12. 3 1/2"*
Sails. *One complete* Suit of *Fore and Main* Sails, and the following spare sails

EQUIPMENT No. 33912 LETTER Y										ANCHORS. *Mechanical Hooks by J.C. Craig 4900 3400.									
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.	lbs.	Cwts.	qrs.				lbs.		
39160	1st Bower	*48	0	14	-	-	-	41	4	0	7	47	2	0	Stockless Release Patent	R.N.C.P.F. J.L. Byrom & Co.	Sld. 27/7-100		
39162	2nd "	*47	2	7	-	-	-	40	17	3	7	47	2	0	" "	" "	" "		
38644	3rd "	*40	1	21	-	-	-	26	2	2	0	40	1	0	" "	" "	" "		
	Collective weight	136	0	14								135	1	0			Tested by H.S. Meigs.		
20916	Stream	11	2	24	2	3	14	13	12	2	0	11	2	0	Ordinary	H.P. Parker & Co.	Sept. 11/100 Winston 25/8/99 W.D. Ruff.		
42338	Kedge.....	5	3	8	1	1	24	8	2	3	7	5	3	0	"	"	"		
	2nd Kedge ..																		

If Patent Name of Proprietor.

CHAIN CABLES.										HAWSERS AND WARPS.					
Number of Certificate.	Fathoms.	Size.	Test per Certificate Tons.	WEIGHT OF CHAIN CABLE Supplied. Per Rule.		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.	
19471	135	2"	72. 100.46	269.3.7	538.3.0	270. 2"	Shank Link H.P. Cable	W.C. & A. Cable Co.	Sept 24/00	TOWLINE S.W.	100	4"	33	120. 4"	
19472	135	2"	72. 100.46	270.1.17	540.0.34.					HAWSER	90	3 1/2"	22	90. 10"	
								Shank Link H.P. Cable	W.C. & A. Cable Co.	WARP	180	2 1/2"	13	90. 8"	
Insulated Chain or Steel Wire ...	90	4 1/2"	39.				Shank Wire	Shank Wire Co.	W.C. & A. Cable Co.	Manilla	90	5 1/2"			

Boats Four in number.
Pumps, Number & type approx. four, Downson to hold Diameter of Barrel and Lead Pipe 5".
Windlass is Common Walker Thompson. (Steam) Capacity 4 Steam Winches.
Engine Room Skylights.—How constructed? Of Steel
What arrangements for deadlights in bad weather? Hatch plates & hatches covers.
Coal Bunker Openings.—How constructed? Of Steel How are lids secured? Hatch bars. Height above deck? Bridge 9"
Number of Scuppers, and number and dimensions of Freeing Ports, &c. On each side. 6 Scuppers & 6 ports (Qty.) 15' x 25' 25' x 25' 28' x 25' 26' x 22' 22'
Ceiling in Holds, thickness and material 2½" M.P. Ceiling 'tween Decks, thickness and material 2" M.P.
Cargo Hatchways.—How formed? Steel plates & angles in the usual manner. Hatches, If strong and efficient? Yes. (3)
State size No. 1 Hatch (Forward) 20' 4" x 14' 2" x 30" No. 2 Hatch 20' 3" x 14' 1" x 30" No. 3 Hatch 24' 2" x 14' 1" x 30" No. 4 Hatch 20' 1" x 14' 1" x 30"
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 1 Plb. plate in No. 1 & 4 Hatchways 2 Plb. plates
in No. 2 & 3 Hatchways 3 Plb. & 4 to each. No. of Crutches, Main & Deck Floor
Bulwarks, height above deck and description. Steel plates 5' 2" x 7' 0". Main Rail, material and size T 6' x 3' 7" 16 lb. A.
The above is a correct description
Builder's Signature (here only) Robert D. Gyn Surveyor's Signature W. Phillips
Surveyor to Lloyd's Register of British & Foreign Shipping.

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

(M) 18th April /99. (M) 27th April /99. (E) 26th July /00.

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 plating? *A few at butts only*

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

General Remarks (State quality of workmanship, &c.) This vessel has been built in accordance with the approved plans, the Secretary's letter of above date and in other respects in accordance with the Rules, and the workmanship is good. The Steel used in her construction has been manufactured at the works set forth on this report and duly tested by the Society's Surveyors. The weather decks have been tested with water and found satisfactory, and the efficiency of pumps and watertight doors ascertained. The frames and reverse frames in double bottom, and the frames outside of Cell A. B. between half length aft and three fourths length forward in the straight part of the vessel have been joggled to dispense with frame liners to the outside strakes of plating. There is a camber of one inch on the keel of this vessel.

This is a sister vessel to the S/S "Pandora" Gt. Rpt. No. 12672.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 20 7/8 ft., R. D. or Break _____ ft., Bridge Dk. 72 25/32 ft., F' castle 23 ft. (in feet and tenths). When the Poop is joined to the R. 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)

Official No. _____; Signal Letters _____

1. Fore and Aft 2. Inside Pollux Cement & Paint Outside Paint

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system					
Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	102.0	290	Fore-peak tank,		
Double bottom, forward,	140.0	446	After peak tank,	10.0	63.0
Double bottom, under Engines and Boilers,	40.0	141	Midship deep tank,		
Double bottom, if under Engines only,			Other tanks, if fitted,		
Double bottom, if under Engines and Boilers,			(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. <u>2015</u>	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) <u>1899. June 21. 27. July 21. 27. Aug. 4. 14. 21. 25. 30.</u>
Date <u>17th April 1899</u>		2nd. On the plating during the process of riveting <u>Sept. 5. 13. 19. 22. 26. Oct. 2. 11. 18. 23. 26. Nov. 1. 8. 14. 16. 21. 22</u>
Order for Ordinary Survey No. <u>✓</u>		3rd. When the beams were in and fastened, and before the decks were laid <u>Dec. 5. 11. 18. 21. 22. 28. - 1900 - Jan. 12. 20. 24. 30. Feb. 1. 14. 23. Mar. 1.</u>
Date <u>✓</u>		4th. When the ship was complete, and before the plating was finally coated or cemented ... <u>9. 13. 21. 27. 30. June 4. 8. 12. 14. 18. 22. 25. 27. 30. July 4. 16. 30. 24</u>
No. <u>457</u> , in builder's yard.		5th. After the ship was launched and equipped <u>26. 27. 31. Aug. 3. 6. 7. 13. 17. 30. 27. Sep. 4.</u> Total No. of Visits <u>68.</u>

The amount of Entry Fee.....£ 5 : :
Special Survey Fee ...£ 104 : 3 : 6
Travelling Expenses, if any £ : : : :
Fees applied for, 11/9/1900
Received by me, 12.9.1900
I am of opinion this Vessel should be Classified *100.A.1.(Steel) "Span Stk"
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute *Glasgow* 17 SEP 1900
Character assigned *+ 10011 Steel. Spar dk. A. S.C.P.*

The Shriggers are requested not to write on or below the Commission's

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