

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.						PER RULE OR AS APPROVED.		EDGES, Ordinary or joggled?				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.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.
FLAT PLATE KEEL	46	23	16	15	46	23.15			Full	6 3/4	1 1/8	1 1/2	Full	1 1/8	4	22	16-18		Full
(If Bar Keel, state Riveting.)																			
GARBOARD OR A STRAKE...	52	16	14	14	52	16.14			"	6	1	3 5/7	"	1	3 1/2			10 1/2	"
State actual thickness in way of Double Bottom.																		12	2 1/2
B "		12	10	12		13.10			"	5 1/2	7/8	3 1/4	Quad	7/8	3 1/2			"	"
C "		13 1/4	11	11		14.11			"	"	"	"	"	"	"			"	"
D "		12	11	12		13.10			"	"	"	"	"	"	"			"	"
E "		14	11	15		14.11			"	"	"	"	"	"	"			"	"
F "		14	11	15		14.11			"	"	"	"	"	"	"			"	"
G "		13	10	11		13.10			"	"	"	"	"	7/8	3 1/2			12	"
H "		14	11	12		14.11			"	"	"	"	"	1	4			14	"
J "		13	10	12		13.10			"	"	"	"	"	7/8	3 1/2			12	"
K "		14	11	14		14.11			"	"	"	"	"	1	4			14	"
L "		13	10	10		13.10			"	"	"	"	"	7/8	3 1/2			12	"
Sheerstrake M "	53	15	12	12	53	15.12			"	"	"	"	"	1	4			14	"
Sheerstrake N "		13	9	9		13.9			"	"	"	"	"	7/8	3 1/2			12	3/5 L
Sheerstrake O "	51	15	9	9	51	15.9			"	"	"	"	"	1	4			14	3/4 L
P "																			
Q "																			
R "																			
S "																			
DOUBLING of Flat Plate Keel																			
Length and thickness of Bilges																			
of Sheerstrakes																			
of Strake below																			
POOP SIDES																			
BRIDGE SIDES																			
FORECASTLE SIDES																			
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. <i>Siemens Martins, Glasgow & S. Co.</i>										Upper Deck Butts, treble riveted for <i>full</i> length amidship.									
<i>Dowlais Coy Works, D. Colville & Sons, South Durham & S. Co.</i>										Stringer Plate Straps, single, double or overlapped for <i>full</i> length amidship.									
<i>W. Beardmore & Co. Ltd. Barrow & Hamatic & Co. Steel</i>										Middle Deck Butts, treble riveted for <i>full</i> length amidship.									
<i>B. of Scotland, Palmers, Lanarkshire & Co. Clyde Bridge</i>										Stringer Plate Straps, single, double or overlapped for <i>full</i> length amidship.									
Has the Steel been tested as required by the Rules? <i>Yes.</i>										Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted <i>Full</i> length amidship.									
										Inner Bottom Plating, riveting of Edges <i>Full</i> Butts <i>Full</i> riveted.									
										Centre Girder Butts, <i>Quad</i> riveted <i>Full</i> riveted.									
										Keelson Butts, <i>Full</i> riveted.									
										Frames, riveted through Plates with <i>7/8 & 1</i> in. Rivets, about <i>5-6</i> in. apart.									
										Rivets, state whether Iron or Steel <i>Iron</i> .									
FRAMES extend in one length from <i>centre girder</i> to <i>margin & hence & Gunwales</i>										State if ordinary or joggled <i>Ordinary</i>									
REVERSED FRAMES on floors and frames extend from <i>centre girder to margin & hence</i>										State if ordinary or joggled <i>Ordinary</i>									
<i>Main deck beams in channel & bulb angle frames.</i>																			
MASTS, SPARS, &c.																			
Material. Total Length. DIAMETER AND THICKNESS. No. of Plates in round. ANGLES. RIVETING.																			
At Partners. Heel. Hounds. Head. Number. Size. Segms. Butts.																			
LOWER MASTS..... Fore <i>Steel</i> <i>61.9</i> <i>24 x 8/20</i> <i>17.8</i> <i>17 x 1/20</i> <i>4</i> <i>3 x 3 x 1/20</i> <i>Seg.</i> <i>Full & Full</i>																			
Main <i>"</i> <i>63.2</i> <i>22 x 8/20</i> <i>19 x 2.8</i> <i>17 x 1/20</i> <i>4</i> <i>"</i> <i>"</i>																			
Mizen <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i>																			
Bowsprit																			
Topmasts, Yards and Remainder of Spars <i>Pitch pine.</i>																			
Rigging, Material and Size, Shrouds <i>Steel wire 4 1/2 x 4</i>																			
Sails. <i>One</i> Suit of <i>fore & aft</i> Stays <i>Steel wire 5 1/2 x 1 1/2 x 5 1/4</i>																			
Sails, and the following spare sails																			
EQUIPMENT No. <i>60920</i> LETTER <i>CT</i>																			
ANCHORS.																			
Number of Certificate. Anchors. WEIGHT, EX. STOCK. WEIGHT OF STOCK. TEST, PER CERTIFICATE. WEIGHT REQUIRED BY TABLE 22. Description of Anchor. Makers. Where and when tested and Superintendent.																			
59109 1st Bower <i>78</i> <i>0</i> <i>23</i> <i>Stockers</i> <i>54</i> <i>17</i> <i>2</i> <i>0</i> <i>77</i> <i>0</i> <i>0</i> <i>Halls Cast Steel</i> <i>H. Hingley & Sons LPHN. 19/4/07</i>																			
59110 2nd " <i>76</i> <i>2</i> <i>17</i> <i>"</i> <i>54</i> <i>5</i> <i>0</i> <i>0</i> <i>77</i> <i>0</i> <i>0</i> <i>"</i> <i>"</i> <i>19/4/07</i>																			
59143 3rd " <i>65</i> <i>0</i> <i>21</i> <i>"</i> <i>51</i> <i>2</i> <i>2</i> <i>0</i> <i>65</i> <i>2</i> <i>0</i> <i>"</i> <i>"</i> <i>25/4/07</i>																			
4th " <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i>																			
Collective weight <i>220</i> <i>0</i> <i>5</i> <i>"</i> <i>219</i> <i>2</i> <i>0</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i>																			
59053 Stream <i>22</i> <i>2</i> <i>2</i> <i>5</i> <i>2</i> <i>"</i> <i>22</i> <i>16</i> <i>3</i> <i>14</i> <i>22</i> <i>0</i> <i>0</i> <i>Rodgers</i> <i>"</i> <i>9/4/07</i>																			
59052 Kedge <i>10</i> <i>1</i> <i>24</i> <i>2</i> <i>2</i> <i>11</i> <i>12</i> <i>8</i> <i>3</i> <i>0</i> <i>10</i> <i>0</i> <i>0</i> <i>"</i> <i>"</i> <i>9/4/07</i>																			
CHAIN CABLES.																			
Number of Certificate. Length and size supplied. Test per Certificate. WEIGHT OF CHAIN CABLE. Length and Size per Table 22. Description. Makers of Cables. Where and when tested, and Superintendent. Material. Length and size supplied. Breaking Test of Steel Wire Towline. Length and Size per Table 22.																			
Pathoms. Ins. Tons. Tons. Cwts. qrs. lbs. Cwts. qrs. lbs. Pathoms. Ins. Pathoms. Ins. Length. Cir. Tons. Pathoms. Ins. Length. Cir.																			
40755 <i>150</i> <i>2 7/8</i> <i>106 3/8</i> <i>149 1/8</i> <i>445.0</i> <i>13</i> <i>890.14</i> <i>300</i> <i>2 7/8</i> <i>Steel</i> <i>H. Hingley & Sons LPHN. 26/4/07</i> <i>TOWLINE</i> <i>130</i> <i>5 3/4</i> <i>78</i> <i>130</i> <i>5 3/4</i>																			
40754 <i>150</i> <i>2 7/8</i> <i>106 3/8</i> <i>149 1/8</i> <i>444.1</i> <i>16</i> <i>"</i> <i>"</i> <i>"</i> <i>"</i> <i>30/4/07</i> <i>HAWERS & WARPS</i> <i>2 in</i> <i>130</i> <i>3</i> <i>18</i> <i>100</i> <i>8</i>																			
Iron Steam Chain or Steel Wire <i>120</i> <i>5</i> <i>59</i> <i>889.2</i> <i>1</i> <i>120</i> <i>5</i> <i>Steel Wire</i> <i>W. Barton & Co</i> <i>H. Green Sup</i> <i>"</i> <i>2 in</i> <i>90</i> <i>8</i> <i>bran</i> <i>4 in</i> <i>100</i> <i>7</i> <i>Man</i>																			
Boats <i>2 Life Cutters & 2 Cruis</i>																			
Pumps, Number <i>11, 5" aft & 1 6" fore</i> Diameter of Barrel																			
Windlass is <i>Iron patent</i> Capstan State whether they are in efficient working order <i>Yes</i>																			
Engine Room Skylights.—How constructed? <i>Steel casings</i>																			
What arrangements for deadlights in bad weather? <i>Steel shutters & glass lights</i>																			
Coal Bunker Openings.—How constructed? <i>Steel coamings</i> How are lids secured? <i>Battered</i> Height above deck? <i>14"</i>																			
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. <i>6 Scuppers each side</i>																			
Ceiling in Holds, thickness and material <i>2 3/4 White Pine</i>																			
Cargo Hatchways.—How formed? <i>Steel coamings</i> Cargo Battens, thickness and material <i>2" white pine</i>																			
State size No. 1 Hatch (Forward) <i>19.6 x 16</i> No. 2 Hatch <i>26 x 16</i> Hatches, If strong and efficient? <i>Yes</i>																			
No. 3 Hatch <i>19.6 x 16</i> No. 4 Hatch <i>21.8 x 16</i>																			
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch <i>2 Webs & 3 beams in Nos 1, 2, 3 & 4</i> <i>Nos 5</i> <i>17.4 x 16</i>																			
<i>1 Web & 2 beams in No 5.</i>																			
No. of Breasthooks <i>8</i> No. of Crutches <i>3 & sup floors.</i>																			
Bulwarks, height above deck and description <i>Open rails</i>																			
Main Rail, material and size																			
The above is a correct description.																			
Builder's Signature (here only) <i>P. Pennington</i> Surveyor's Signature <i>E. J. Milton</i>																			
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 the case)

M. 27.10.06. 8.11.06. 15.11.06. 26.11.06. 12.12.06. 2.1.07

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

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

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 the plating? *a few.*

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

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *Yes.*

State results of tests

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes.*

State results of tests

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

This vessel has been built in accordance with the approved plans, the Secretary's Letters quoted above and the Rules. The workmanship and materials are good throughout. She is insulated for carrying frozen meat cargoes in Nos. 1, 2 & 4 holds and 'tween decks.

The weights of the 3rd Bower anchor and the chain cables are less than the Rule requirements, but the deficiency is so slight that these items are recommended for approval.

Sister vessel. Same Builders No 248 in progress.

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

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). When the Poop is joined to the B.D., this should be distinctly stated

Complete Shelter Deck

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)

2 Sts (Stl) and Shelter Dk (Stl-ws) and deep framing and lower deck beams to 3 hold.

Official No. *125891*; Signal Letters *HLBK*

State if Machinery is fitted aft

No

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 or with girders on floors

Cell Sts

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>121.4</i>	<i>360</i>	Fore peak tank,		
Double bottom, under Engines and Boilers,	<i>67.2</i>	<i>280</i>	After peak tank,	<i>18</i>	<i>80</i>
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<i>203.8</i>	<i>705</i>	Other tanks, if fitted,		
	Total capacity of double bottom	<i>1345</i>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks.

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

Yes.

Order for Special Survey No. *518*

Date

17 Nov 1906

No.

247 in builder's yard.

DATES OF SURVEYS held while building

1906 Nov 15. 26. Dec 3. 11. 1907 Jan 10. 14. 15. 17. 18. Feb 5th. 19. 26. 28. March 5. 11. 13. 14. 16. 18. 22. 28. April 2. 8. 9. 11. 12. 15. 17. 18. 22. 26. 29. 30. May 1. 2. 6. 8. 11. 14. 16. 21. 23. 25. 27. 28. 29. 30. 31. June 18. 19. 20. 26. 27. 28. July 1. 2. 4. 5. 6. 8. 9.

Total No. of Visits

61

The amount of Entry Fee £ *5 : 0 : 0*

Special Survey Fee.... £ *186 : 2 : 6*

Travelling Expenses, if any £ : :

Fees applied for,

19th July 1907

Received by me,

26-7-07

Certificate to be sent to

This Office

State whether the Vessel has been built under Special Survey

Yes.

I am of opinion this Vessel should be Classed

** 100 A. 1. Steel. Shelter Deck*

With, or without Freeboard, as condition of Class

With freeboard.

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

E. J. Milton

Committee's Minute

TUES. JUL 23 1907

Character assigned

*100 A 1
Steel shelter deck with fbd S. S. 7 1/2*

*M.
Lloyds A & B. P.*

*+ Lmb 707
F. D. Elec. Lghts*