





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 or to cr.		Diam.	Spacing or to cr.	Breadth.	Thick-ness.	Breadth.	For what Length.										
										Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Inches.	Feet.									
FLAT PLATE KEEL .....										57 1/2	1.00	75	75	57 1/2	1.00	Double	6 3/4	1 1/2	4 1/2	D.S. Treble	1 1/2	4	2 1/2	65	14	full		
(If Bar Keel, state Riveting)																												
GARBOARD OF A Strake ...										66	7/4	74	70		74			6	1	3 3/4	Quad	1	4			14		
State actual thickness in way of Double Bottom.										66	6/4	64	60		64			5 1/4	7/8	3 3/8		7/8	3 1/2			12		
B										66	6/4	64	60		64													
C										66	6/4	64	60		64													
D										66	6/4	64	60		64													
E										66	7/0	57 1/2	64		70			6	1	3 3/4		1	4			14		
F										57 1/2	8/0	57 1/2	64		80													
G										57 1/2	7/4	57 1/2	64		74													
H										56 1/2	7/0	57 1/2	64		70			Other shells	6 1/2	8 1/2								
J										58 1/2	7/0	57 1/2	64		70													
K										52 1/2	7/0	57 1/2	64		70													
L										57 1/2	7/0	57 1/2	64		70													
M										62 1/2	7/0	57 1/2	64		70			Double	6	1								
N = .80										66	7/0	57 1/2	64		70													
O = .90										52 1/2	7/0	57 1/2	64		51	70					1 1/2	4 1/2			14 1/2			
P = 1.00										60	7/2	64	57 1/2		51	72					Quad & DSTR	1 1/8		2 1/2	65	14		
Bridge										47 1/2	7/4				51	74					Quad	1	4			14		
Side										67 1/2	8/4				51	84			Double & Treble at ends of Bridge			DSTR	1		19	60	14	
S																												
DOUBLING of Flat Plate Keel																												
of Sheerstrakes																												
(Length and Thickness)																												
POOP SIDES .....																		Single	3	3/4	3	Double	3/4	2 7/8			5	
SHORT BRIDGE SIDES .....																												
FORECASTLE SIDES .....																		Single	3	3/4	3	Double	3/4	2 7/8			5	

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. *Steel Plates - Guest Keen, S. Colville & Son, & South Durlam. Siemens Martins Process. Steel Bars, S. Colville & Son, Lancashire & S. Co. Brown Long, Large Sheet & Steel Co. of Scotland.*

Has the Steel been tested as required by the Rules? *Yes.*

Awning or Shelter Deck (Butts, Treble riveted in way of Bridge Quad beyond length amidship.)

Stringer Plate (Straps, single, double or overlapped for full length amidship.)

Second Deck (Butts, Treble riveted for full length amidship.)

Stringer Plate (Straps, single or overlapped for full length amidship.)

Butts of Side Stringers Treble riveted.

Tie Plates riveted.

Inner Bottom Plating, riveting of Edges Double Butts Treble 2 2

Centre Girder Butts, Quad riveted Keelson Butts, riveted.

Frames, riveted through Plates with 1 in. Rivets, about 5" to 5 1/2" apart.

Rivets, state whether Iron or Steel *Steel in Bridge sides, shear & 2 strakes below*

FRAMES extend in one length from Middle Line to Margin Plate and thence to gunwale

REVERSED FRAMES on floors and frames extend from Middle Line to Margin Plate, to Awning & Forecastle

Decks alternately at ends - In channel frames all to Lower Deck beams.

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.	
LOWER MASTS....	Fore .....	<i>Steel</i> 126.0	28 x .46	20 x .40	17 1/2 x 36	8 x 20	<i>Two</i>	3	4 x 3 x 57	<i>Single</i>	<i>Treble &amp; Double</i>	
	Main .....	" 117.0	28 x .46	26 x .40	17 1/2 x 36	8 x 20	<i>Two</i>	3	4 x 3 x 57	"	"	
	Mizen .....											
Bowsprit .....												
Topmasts, Yards and Remainder of Spars <i>Steel Mannemann Tubes derricks.</i>												
Rigging, Material and Size, Shrouds <i>Galvanized steel wire 5"</i> Stays <i>5", 4 1/2" &amp; 3"</i>												
Sails. <i>none</i> Suit of <i>✓</i> Sails, and the following spare sails <i>✓</i>												

EQUIPMENT No. 54777 LETTER gt. ANCHORS.										ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.			WEIGHT REQ. BY TABLE 31.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	Cwts.	qrs.	lbs.
65014	1st Bower	96	0	14	34	3	23	66	2	2	95	0	0
65016	2nd "	96	1	17	35	1	16	66	2	2	95	0	0
65011	3rd "	81	1	14	30	2	5	59	10	0	81	0	0
	Collective weight	273	3	17							271	0	0
65009	Stream	28	0	0	7	0	7	27	2	2	28	0	0
64972	Kedge	14	1	3	3	2	9	15	19	0	14	0	0
Description of Anchor. <i>Halls patent Stockless N. Hingley &amp; Son Netherton 15.12.10</i>													
Makers. <i>H. Green Supt.</i>													
Where and when tested and Superintendent. <i>N. Hingley &amp; Son Netherton 14.12.10</i>													
<i>2.12.10 H. Green Supt.</i>													

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and Size supplied.		Test per Certificate. Statu- Break- ing.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Table 31. Length. Diam.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire Towline.	Fathoms and size per Table 31.					
	Length.	Diam.		Supplied.	Per Rule.						Length.	Cir.		Length.	Cir.	Length.	Cir.		
46220	Fathoms. 105	2 1/16	Tons. 125 1/2	Tons. 75 1/2	Cwts. qrs. lbs. 601.0.20	1200.0.0	320	2 1/16	Stud	N. Hingley & Son Netherton	13.12.10	TOWLINE	Fathoms. 120	Ins. 7	Tons. 116	Fathoms. 130	Ins. 7		
46231	165	2 1/16	-	-	-	1200.0.0	320	2 1/16	Stud	-	-	HAWSERS & WARPS	4 coils 200 yds	26	4 coils 100 yds	8	8		
46232	See separate letter dated 11.2.10						120	2 1/16	Stud	-	-	"	4 - 100 faths 9" man	100 faths 8"					
Iron Chain or Steel Wire...												"	4 - 100 faths 8" man	100 faths 8"					

Boats 14 Life Boats 2 Cutters.

Pumps, Number *Sixteen*

Windlass is *Patent direct steam & H. Wilson & Co.*

Engine Room Skylights. - How constructed? *Steel plates and angles.*

What arrangements for deadlights in bad weather? *Bulls eyes & shutters.*

Coal Bunker Openings. - How constructed? *Side Ports.*

How are lids secured? *Strongbacks.*

Height above deck? *✓*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *6 each side 36" x 12", 6 Scuppers each side.*

Ceiling in Holds, thickness and material *Iron plates over timbers with Cargo Battens, thickness and material 6" x 2" White pine bark & space.*

Cargo Hatchways. - How formed? *Steel plates and angles.*

Hatches, If strong and efficient? *Yes.*

State size No. 1 Hatch (Forward) *18'9" x 16'6"* No. 2 Hatch *20'3" x 18'0"* No. 3 Hatch *18' x 18'* No. 4 Hatch *13'6" x 18'0"*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *No. 1 3 4 5 and 6 Hatches have one deep web and 2 I beams in each, No. 2 2 deep webs and 2 I beams*

No. of Breasthooks *5* No. of Crutches *Deep floors*

Bulwarks, height above deck and description *4'0" Steel.* Stays *1 3/4" dia.* Main Rail and Stays, material and size *6" x 3" x 1/2" B. Angle.*

The above is a correct description.

Builder's Signature (here only.) *Chas. Payne*

Surveyor's Signature *St. Kendall*

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. 26/11/09, 4/2/10, 29/1/10, 11/2/10, 9/4/10, 5/9/10, 3/11/10, 12/11/10

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.*

Do any rivets break into or through the seams or butts of plating? *very few.*

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

all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? *Yes.*

State results of tests *satisfactory.*

all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes.*

State results of tests *satisfactory.*

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

*This vessel has been built in accordance with the plans approved by the Committee, the Secretary's letters of the above-mentioned dates and in other respects in general conformity with the Rules, and the workmanship and materials are good throughout. The keel was sighted before launching and found straight.*

*The vessel is insulated in Nos 1-2 and 3 Holds & Tween Decks for the carriage of frozen meat cargoes.*

*The approved plans five in number together with seven forging reports are forwarded herewith for reference.*

N<sup>o</sup> 412 S.S. "THEMISTOCLES" Belfast FE Rept N<sup>o</sup> 6804  
The Surveyor should state the Number of Report and Name of any Sister Vessel.

Particulars for Record in the Register Book.—Length of Poop *47* ft., R.Q.D. *✓* ft., Bridge *245* ft., Forecastle *64* ft. (in feet and inches). When the Poop is joined to the B.D., this should be distinctly stated *Poop and Bridge are not joined.*

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 would appear in the Register Book) *2 Dks (Stl) and covering Dk (Stl. pl. W.S.) Orlop Deck in No 3 and after Holds (Stl.)*  
Official No. *129362*; Signal Letters \_\_\_\_\_ State if Machinery is fitted aft *No.*

How are the surfaces preserved from oxidation? *Inside Paint and Portland Cement. Outside Paint.*  
*On cellular bottom cement laid on outside strakes of shell plating only, remainder of shell thickly cement washed with timber cemented as usual.*

Particulars of Water Ballast.—State whether the Double bottom is constructed on the cellular system or with girders on floors *Cellular.*

Where fitted.	*Length. Feet.	Water Capacity. Tons.	Where fitted.	*Length. Feet.	Water Capacity. Tons.
Fore bottom, aft,	<i>112.6"</i>	<i>313</i>	Fore peak tank,		<i>156</i>
Fore bottom, under Engines and Boilers,	<i>96.9"</i>	<i>491</i>	After peak tank,		<i>85</i>
Fore bottom, if under Engines only,			Deep tank aft,		
Fore bottom, if under Boilers only,			Deep tank forward,		
Aft bottom, forward,	<i>222.9"</i>	<i>870</i>	Other tanks, if fitted,		
	Total capacity of double bottom	<i>1674</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.*

for Special Survey No. *551*

Date *13th Sept 1910*

*418* in builder's yard.

DATES of Surveys held while building

*1910. May 31, June 20, 29, July 5, 25, Aug 3, 5, 11, 15, 18, 22, 24, 25, 29. Sept. 6, 15, 21, 22, 27, 30. Oct. 3, 6, 12, 14, 19, 24, 26, 28. Nov. 1, 4, 8, 9, 11, 15, 18, 22, 24, 30. Dec. 2, 6, 9, 12, 16, 21, 23.*  
*1911. Jan. 3, 4, 9, 10, 12, 13, 16, 18, 23, 26, 27, 28, 31. Feb. 2, 3, 6, 8, 13, 14, 16, 21, 23, 24, 25.*  
*March 1, 3, 10, 12, 17, 23, 30. April 6, 11. May 3, 10, 24, 25. June 9, 13, 15, 19, 21, 23, 28, July 6, 20, 27.*  
*Aug 4th*  
Total No. of Visits *93*

Amount of Entry Fee *£ 5 : 0 : 0*  
Special *£ 287 : 9 : 4*  
Travelling Expenses, if any *£ :*

Fees applied for, *11th Aug 1911*  
Received by me, *18.8.1911*

Certificate to be sent to *This Office*

Whether the Vessel has been built under Special Survey *Yes.*  
I am of opinion this Vessel should be Classed *100 A1 "Awning Deck"*  
With, or without Freeboard, as condition of Class *With freeboard.*

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

Committee's Minute  
Character assigned  
*TUE AUG. 15. 1911*  
*100 A1*  
*awning dks with fbd*  
*Lloyd's Assoc. thme 8. 11*  
*W.*