

PLATING.										RIVETING.																																																																																																																																				
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.																																																																																																																															
STRAKES.	AMIDSHIP.		FORWARD.		AFT.	AMIDSHIP.		FORWARD.		AFT.	Single or Double.	Breadth of Lap.	RIVETS.	Double or Treble and for what length.	RIVETS.	STRAIPS.	IF LAPPED.																																																																																																																													
	Breadth.	Thickness.	Thickness.	Thickness.		Breadth.	Thickness.	Thickness.	Thickness.																																																																																																																																					
FLAT PLATE KEEL (If Bar Keel, state riveting)	36	18	12	12	36	18	12	12	36	18	12	Double	6	1	4	Double	1 3/4	13 1/2 x 10 1/2 full																																																																																																																												
GARBOARD OF A STRAKE	60	13	11	11	—	13 1/4	7 1/8	3 1/4	—	—	—	—	—	—	—	—	12 x 9																																																																																																																													
State actual thickness in way of Double Bottom.	60	11	9	11	—	11 9	—	—	—	—	—	—	—	—	—	—	—																																																																																																																													
B	60	10	9	10	—	10 9	—	—	—	—	—	—	—	—	—	—	—																																																																																																																													
C	57	13	10	10	—	13 10	—	—	—	—	—	—	—	—	—	—	—																																																																																																																													
D	57	12	10	10	—	12 10	—	—	—	—	—	—	—	—	—	—	—																																																																																																																													
E	46	12	10	10	—	12 10	—	—	—	—	—	—	—	—	—	—	—																																																																																																																													
F	45	12	9	9	—	12 9	—	—	—	—	—	—	—	—	—	—	—																																																																																																																													
G	54	11	9	9	—	11 9	—	—	—	—	—	—	—	—	—	—	—																																																																																																																													
H	44	12	9	9	—	12 9	—	—	—	—	—	—	—	—	—	—	—																																																																																																																													
J	54	13	9	9	—	13 9	—	—	—	—	—	—	—	—	—	—	—																																																																																																																													
K	45	15	10	10	42	15 10	—	—	—	—	—	—	—	—	—	—	—																																																																																																																													
SHEER																																																																																																																																														
L																																																																																																																																														
M																																																																																																																																														
N																																																																																																																																														
O																																																																																																																																														
P																																																																																																																																														
Q																																																																																																																																														
R																																																																																																																																														
DOUBLING OF FLAT PLATE KEEL	Keel & garboards increased in line there of.																																																																																																																																													
Length of Bilges	Shut & State below increased																																																																																																																																													
Thickness of Strake below	8 1/2																																																																																																																																													
POOP SIDES	8 1/2																																																																																																																																													
BRIDGE SIDES	8 1/2																																																																																																																																													
FORECASTLE SIDES	8 1/2																																																																																																																																													
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.?										Upper Deck (Butts, treble riveted for full length amidship. Stringer Plate (Straps, single, double or overlapped for full length amidship. Middle Deck (Butts, treble riveted for full length amidship. Stringer Plate (Straps, single, double or overlapped for full length amidship. Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? Inner Bottom Plating, riveting of Edges double & single. Butts double & single. Centre Girder Butts, double riveted. Keelson Butts, riveted. Frames, riveted through Plates with 7/8 in. Rivets, about 6 apart. Rivets, state whether Iron or Steel. Iron																																																																																																																																				
Has the Steel been tested as required by the Rules?										Yes																																																																																																																																				
FRAMES extend in one length from Margin plate to gunwale & top of erections.										REVERSED FRAMES on floors and frames extend from Middle line & tank side, good bar beyond tank.																																																																																																																																				
MASTS, SPARS, &c.																																																																																																																																														
<table border="1"> <thead> <tr> <th rowspan="2">Material.</th> <th rowspan="2">Total Length.</th> <th colspan="4">DIAMETER AND THICKNESS.</th> <th rowspan="2">No. of Plates in round.</th> <th colspan="2">RIVETING.</th> </tr> <tr> <th>At Partners.</th> <th>Heel.</th> <th>Head.</th> <th>Number.</th> <th>Size.</th> </tr> </thead> <tbody> <tr> <td>Fore</td> <td>43</td> <td>19 x 7/8</td> <td>15 x 5/8</td> <td>—</td> <td>12 x 6/8</td> <td>two</td> <td>✓</td> <td>✓</td> </tr> <tr> <td>Main</td> <td>44</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td>Mizen</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> </tbody> </table>																				Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	RIVETING.		At Partners.	Heel.	Head.	Number.	Size.	Fore	43	19 x 7/8	15 x 5/8	—	12 x 6/8	two	✓	✓	Main	44	—	—	—	—	—	—	—	Mizen	—	—	—	—	—	—	—	—																																																																																		
Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	RIVETING.																																																																																																																																							
		At Partners.	Heel.	Head.	Number.		Size.																																																																																																																																							
Fore	43	19 x 7/8	15 x 5/8	—	12 x 6/8	two	✓	✓																																																																																																																																						
Main	44	—	—	—	—	—	—	—																																																																																																																																						
Mizen	—	—	—	—	—	—	—	—																																																																																																																																						
Rigging, Material and Size, Shrouds: Steel Wire 3/4. Stays: 4". Sails: One. Suit of: fore & aft. Sails, and the following spars: sails.																																																																																																																																														
EQUIPMENT No. 30159 LETTER H. ANCHORS.																																																																																																																																														
<table border="1"> <thead> <tr> <th rowspan="2">Number of Certificate.</th> <th rowspan="2">Anchors.</th> <th colspan="2">WEIGHT, EX STOCK.</th> <th colspan="2">WEIGHT OF STOCK.</th> <th rowspan="2">TEST, PER CERTIFICATE.</th> <th colspan="2">WEIGHT REQUIRED BY TABLE 22.</th> <th rowspan="2">Description of Anchor.</th> <th rowspan="2">Makers.</th> <th rowspan="2">Where and when tested and Superintendent.</th> </tr> <tr> <th>Cwts.</th> <th>qrs.</th> <th>lbs.</th> <th>Cwts.</th> <th>qrs.</th> <th>lbs.</th> <th>Cwts.</th> <th>qrs.</th> <th>lbs.</th> </tr> </thead> <tbody> <tr> <td>903</td> <td>1st Bower</td> <td>48</td> <td>0</td> <td>0</td> <td>—</td> <td>—</td> <td>41</td> <td>2</td> <td>2</td> <td>0</td> <td>45</td> <td>2</td> <td>0</td> <td>Wheatstone Patent S. Wheatstone 16".</td> <td>16".</td> <td>3/12/01.</td> </tr> <tr> <td>915</td> <td>2nd "</td> <td>48</td> <td>0</td> <td>0</td> <td>—</td> <td>—</td> <td>37</td> <td>12</td> <td>2</td> <td>0</td> <td>45</td> <td>2</td> <td>0</td> <td>" "</td> <td>" "</td> <td>4/1/02</td> </tr> <tr> <td>913</td> <td>3rd "</td> <td>40</td> <td>2</td> <td>0</td> <td>—</td> <td>—</td> <td>36</td> <td>2</td> <td>2</td> <td>0</td> <td>39</td> <td>0</td> <td>0</td> <td>" "</td> <td>" "</td> <td>6/1/02</td> </tr> <tr> <td></td> <td>4th "</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>" "</td> <td>" "</td> <td>H. S. Welford</td> </tr> <tr> <td>880</td> <td>Stream</td> <td>11</td> <td>0</td> <td>2</td> <td>3</td> <td>7</td> <td>13</td> <td>2</td> <td>2</td> <td>0</td> <td>11</td> <td>1</td> <td>0</td> <td>Cannon</td> <td>" "</td> <td>16". 27/12/01</td> </tr> <tr> <td>881</td> <td>Kedge</td> <td>5</td> <td>2</td> <td>7</td> <td>1</td> <td>21</td> <td>7</td> <td>18</td> <td>1</td> <td>21</td> <td>5</td> <td>2</td> <td>0</td> <td>" "</td> <td>" "</td> <td>27/12/01</td> </tr> </tbody> </table>																				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.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	903	1st Bower	48	0	0	—	—	41	2	2	0	45	2	0	Wheatstone Patent S. Wheatstone 16".	16".	3/12/01.	915	2nd "	48	0	0	—	—	37	12	2	0	45	2	0	" "	" "	4/1/02	913	3rd "	40	2	0	—	—	36	2	2	0	39	0	0	" "	" "	6/1/02		4th "	—	—	—	—	—	—	—	—	—	—	—	—	" "	" "	H. S. Welford	880	Stream	11	0	2	3	7	13	2	2	0	11	1	0	Cannon	" "	16". 27/12/01	881	Kedge	5	2	7	1	21	7	18	1	21	5	2	0	" "	" "	27/12/01
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.																																																																																																																																			
		Cwts.	qrs.	lbs.	Cwts.		qrs.	lbs.				Cwts.	qrs.	lbs.																																																																																																																																
903	1st Bower	48	0	0	—	—	41	2	2	0	45	2	0	Wheatstone Patent S. Wheatstone 16".	16".	3/12/01.																																																																																																																														
915	2nd "	48	0	0	—	—	37	12	2	0	45	2	0	" "	" "	4/1/02																																																																																																																														
913	3rd "	40	2	0	—	—	36	2	2	0	39	0	0	" "	" "	6/1/02																																																																																																																														
	4th "	—	—	—	—	—	—	—	—	—	—	—	—	" "	" "	H. S. Welford																																																																																																																														
880	Stream	11	0	2	3	7	13	2	2	0	11	1	0	Cannon	" "	16". 27/12/01																																																																																																																														
881	Kedge	5	2	7	1	21	7	18	1	21	5	2	0	" "	" "	27/12/01																																																																																																																														
CHAIN CABLES.																																																																																																																																														
<table border="1"> <thead> <tr> <th rowspan="2">Number of Certificate.</th> <th rowspan="2">Fathoms.</th> <th rowspan="2">Size.</th> <th rowspan="2">Test per Certificate.</th> <th colspan="2">WEIGHT OF CHAIN CABLE.</th> <th rowspan="2">Fathoms and Size per Table 22.</th> <th rowspan="2">Description.</th> <th rowspan="2">Makers of Cables.</th> <th rowspan="2">When and where tested, and Superintendent.</th> <th rowspan="2">Material.</th> <th rowspan="2">Fathoms.</th> <th rowspan="2">Size.</th> <th rowspan="2">Breaking Test of Steel Wire Towing.</th> <th rowspan="2">Fathoms and Size per Table 22.</th> </tr> <tr> <th>Supplied.</th> <th>Per Table 22.</th> </tr> </thead> <tbody> <tr> <td>33419</td> <td>195</td> <td>1 1/4</td> <td>34 1/2</td> <td>385</td> <td>1.0</td> <td>511</td> <td>1.14</td> <td>270-15</td> <td>Steel S. Wheatstone 16".</td> <td>16".</td> <td>8/1/02</td> <td>H. S. Welford</td> <td>30 fms. 12" Co. R.</td> <td>33 100-120</td> </tr> <tr> <td>161</td> <td>75</td> <td>1 1/4</td> <td>67 1/2</td> <td>142</td> <td>0.25</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td></td> <td>270</td> <td>—</td> <td>—</td> <td>511</td> <td>1.25</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td></td> <td>90</td> <td>4 1/4</td> <td>35</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> </tbody> </table>																				Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towing.	Fathoms and Size per Table 22.	Supplied.	Per Table 22.	33419	195	1 1/4	34 1/2	385	1.0	511	1.14	270-15	Steel S. Wheatstone 16".	16".	8/1/02	H. S. Welford	30 fms. 12" Co. R.	33 100-120	161	75	1 1/4	67 1/2	142	0.25	—	—	—	—	—	—	—	—	—		270	—	—	511	1.25	—	—	—	—	—	—	—	—	—		90	4 1/4	35	—	—	—	—	—	—	—	—	—	—	—																																														
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towing.	Fathoms and Size per Table 22.																																																																																																																																
				Supplied.	Per Table 22.																																																																																																																																									
33419	195	1 1/4	34 1/2	385	1.0	511	1.14	270-15	Steel S. Wheatstone 16".	16".	8/1/02	H. S. Welford	30 fms. 12" Co. R.	33 100-120																																																																																																																																
161	75	1 1/4	67 1/2	142	0.25	—	—	—	—	—	—	—	—	—																																																																																																																																
	270	—	—	511	1.25	—	—	—	—	—	—	—	—	—																																																																																																																																
	90	4 1/4	35	—	—	—	—	—	—	—	—	—	—	—																																																																																																																																
HAWERS AND WARPS.																																																																																																																																														
<table border="1"> <thead> <tr> <th rowspan="2">Number of Certificate.</th> <th rowspan="2">Fathoms.</th> <th rowspan="2">Size.</th> <th rowspan="2">Test per Certificate.</th> <th colspan="2">WEIGHT OF CHAIN CABLE.</th> <th rowspan="2">Fathoms and Size per Table 22.</th> <th rowspan="2">Description.</th> <th rowspan="2">Makers of Cables.</th> <th rowspan="2">When and where tested, and Superintendent.</th> <th rowspan="2">Material.</th> <th rowspan="2">Fathoms.</th> <th rowspan="2">Size.</th> <th rowspan="2">Breaking Test of Steel Wire Towing.</th> <th rowspan="2">Fathoms and Size per Table 22.</th> </tr> <tr> <th>Supplied.</th> <th>Per Table 22.</th> </tr> </thead> <tbody> <tr> <td>33419</td> <td>195</td> <td>1 1/4</td> <td>34 1/2</td> <td>385</td> <td>1.0</td> <td>511</td> <td>1.14</td> <td>270-15</td> <td>Steel S. Wheatstone 16".</td> <td>16".</td> <td>8/1/02</td> <td>H. S. Welford</td> <td>30 fms. 12" Co. R.</td> <td>33 100-120</td> </tr> <tr> <td>161</td> <td>75</td> <td>1 1/4</td> <td>67 1/2</td> <td>142</td> <td>0.25</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td></td> <td>270</td> <td>—</td> <td>—</td> <td>511</td> <td>1.25</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> <tr> <td></td> <td>90</td> <td>4 1/4</td> <td>35</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> <td>—</td> </tr> </tbody> </table>																				Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towing.	Fathoms and Size per Table 22.	Supplied.	Per Table 22.	33419	195	1 1/4	34 1/2	385	1.0	511	1.14	270-15	Steel S. Wheatstone 16".	16".	8/1/02	H. S. Welford	30 fms. 12" Co. R.	33 100-120	161	75	1 1/4	67 1/2	142	0.25	—	—	—	—	—	—	—	—	—		270	—	—	511	1.25	—	—	—	—	—	—	—	—	—		90	4 1/4	35	—	—	—	—	—	—	—	—	—	—	—																																														
Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size per Table 22.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towing.	Fathoms and Size per Table 22.																																																																																																																																
				Supplied.	Per Table 22.																																																																																																																																									
33419	195	1 1/4	34 1/2	385	1.0	511	1.14	270-15	Steel S. Wheatstone 16".	16".	8/1/02	H. S. Welford	30 fms. 12" Co. R.	33 100-120																																																																																																																																
161	75	1 1/4	67 1/2	142	0.25	—	—	—	—	—	—	—	—	—																																																																																																																																
	270	—	—	511	1.25	—	—	—	—	—	—	—	—	—																																																																																																																																
	90	4 1/4	35	—	—	—	—	—	—	—	—	—	—	—																																																																																																																																
Boats: Four																																																																																																																																														
Pumps, Number: Fourteen																																																																																																																																														
Windlass is: Emerson Walker & Thompson																																																																																																																																														
Engine Room Skylights: How constructed? Steel																																																																																																																																														
What arrangements for deadlights in bad weather? Glass & Bull's eyes																																																																																																																																														
Coal Bunker Openings: How constructed? Bull's eyes																																																																																																																																														
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 6 scuppers. 6 W.P. 2' 9" x 1' 6"																																																																																																																																														
Ceiling in Holds, thickness and material: Pine 2 1/2																																																																																																																																														
Cargo Hatchways: How formed? Steel beamings																																																																																																																																														
State size No. 1 Hatch (Forward) 20' 0" x 16' 0" No. 2 Hatch 24' 0" x 16' 0" No. 3 Hatch 24' 0" x 16' 0" No. 4 Hatch 22' 0" x 16' 0"																																																																																																																																														
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch: No. 1 W. 3 F.Y.A. No. 2 3 F.Y.A. No. 3 3 F.Y.A. No. 4 3 F.Y.A.																																																																																																																																														
Bulwarks, height above deck and description: 3' 10" Steel plating																																																																																																																																														
The above is a correct description.																																																																																																																																														
Builder's Signature (here only): John Blumner																																																																																																																																														
Surveyor's Signature: J. Allan																																																																																																																																														
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)

M. 23/4/01. 24/5/01. 26/9/01. 13/11/01.

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? Solid pieces

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 facing surfaces? yes

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

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: Satisfactory

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

State results of tests: Satisfactory

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

This vessel has been built in accordance with the approved plans & generally in accordance with the Rules. The workmanship throughout is good. The vessel is a duplicate of the same builders No. 156, S.S. "Polurrian". The approved Midship Section & Profile together with Stem frame & rudder report are enclosed herewith.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 28 ft., R.Q.D. or Break ft., Bridge Dk. 72 ft., F'castle 32 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated not joined

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) 1 Dk. (pt. Iron & pt. Steel) Deep framing & web frames.

Official No. ; Signal Letters

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

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors Cellular

Where fitted.	Length.		Water Capacity.		Where fitted.	Length.		Water Capacity.	
	Feet.	Tons.	Feet.	Tons.					
Double bottom, aft.	114	308	Fore peak tank,	—	—	—	—		
Double bottom, under Engines and Boilers.	32	92	After peak tank,	—	—	—	—		
Double bottom, if under Engines only.	—	—	Midship deep tank,	—	—	—	—		
Double bottom, if under Boilers only.	—	—	Other tanks, if fitted,	—	—	—	—		
Double bottom, forward.	122	298	(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. 4346

Date 20th March 1902

No. 164 in builder's yard.

DATE OF SURVEY held while building

1901.—July 19, 24. Aug 5, 12, 15. Sept 6, 13, 24, 30. Oct 3, 4, 9, 10. 11, 14, 26, 24, 28, 30. Nov 3, 8, 14, 19, 25, 29. Dec 2, 4, 23, 24, 30. 1902.—Jan 7, 9, 13, 14, 16, 21.

Total No. of Visits 36

The amount of Entry Fee £ 5: : 5 2 182

Special Survey Fee £ 92: : 92 0 0

Travelling Expenses, if any £ : : 6 3 02

State whether the Vessel has been built under Special Survey. yes

I am of opinion this Vessel should be Classed. F 100 A

With, or without Freeboard, as condition of Class. Without.

Committee's Minute

Character assigned

100 A steel

2 1/2 inch

Small Certificate Written 7/1/02.