

WEB FRAMES.				Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing				THREE	54"	THREE	54"
" " " brdth. & thickness				22"	42	22	42
" " " No. of Side Stringers " "				TWO	22x32	TWO	22x32
WEB-FRAMES, In E. & B. Space, No. & spacing							
" " " brdth. & thickness							
WEB-FRAMES, In After Body, No. and spacing				THREE AS APPR.	THREE AS APPR.		
" " " brdth. & thickness				36"	48	36"	48
" " " No. of Side Stringers " "							
" " " Size of Face Angles to Web-Frames				22	35x35x52	35x35x52	
BRACKET PLATES to Stringers between Web-Frames, depth and thickness							

BULKHEADS.	Number.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up.	
			Horizontal.		Vertical.				
	Vessel.	Per Rule.	Inches.	Size.	Spacing.	Inches.	Size.	Spacing.	
W.T. BULKHEADS	4	4	32-28	✓	✓	8x3x46	30	45x45x46	M.P.
COLLISION NO. 1 (TO LOWER DECK)	9		34-30	✓	✓	9x3x44	30	5x5x44	L.R.
COLLISION NO. 2			34-30	✓	✓	8x3x46	24	5x5x44	M.P.
PARTITION						4 SEMI-BAY BEAM			
LONGITUDINAL									

FORGINGS or CASTINGS.		Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness			
STEM, moulding and thickness ... ROLLED		9x2 1/2	9x2 1/2
STERN-POST for Rudder do. do.		8x6 ✓	8x6
" " for Propeller		9x6 ✓	9x6
RUDDER-Axle Table 22. Speed 10 to 12 Kts		303	303
" Main-Piece, diameter at head		8 1/2 ✓	8 1/2
" " " at heel		6 1/2 ✓	6 1/2

RUDDER, how constructed	Built - Lapping
" Thickness of Plates or Single Plate	1.08 ✓
Can the Rudder be unshipped afloat?	Yes

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. ? *Lumley Martin or other approved process*
Steel Co. Scotland. Galvanne Iron Co. Port of London. Dowlais
Cardiff works of Dowlais & Co. Glynneath 1886

Are the outside Plates doubled two spaces of Frames in length ? DIAMOND PLATES

Are the Sluice Valves and Watertight Doors in efficient working order ? YES

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

PLATING.										RIVETING.									
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.								
	AMIDSHIP.		FORWARD.		AFT.		Ordinary or Joggled?		RIVETS.		Double or Treble and for what Length.		RIVETS.		STRAPS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.	
FLAT PLATE KEEL	44	84	60	✓ 60	44	84	DOUBLE	6	1	4 1/2	QUAD.	1	14	✓	✓	14	WHOLE		
GARBOARD OR A Strake	48	58	42	✓ 42	48	58		54	7/8	3 3/8		7/8	3 3/8	✓	✓	12			
State actual thickness in way of Double Bottom.	B	42	58	✓ 42	42	58								✓	✓				
	C	66	58	✓ 42	42	58								✓	✓				
	D	69	58	✓ 42	42	58								✓	✓				
	E	70	58	✓ 42	42	58								✓	✓				
	F	67	58	✓ 42	42	58		6	1	4 1/2				✓	✓	12			
	G	61	70	✓ 42	42	70		6	1	4 1/2				✓	✓	14			
SHEER STRAKE	H	54	90	✓ 42	42	90	SINGLE	2 1/2	3/4	3	TREBLE	1	3 1/2	✓	✓	19	52-44		
	I																		
	J																		
	K																		
	L																		
	M																		
	N																		
	O																		
	P																		
	Q																		
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	W																		

The bottom forward of the 35' length is strengthened as required by Rule

Upper Deck Stringer Plate		DOUBLE STRAPS	Butts, riveted for	FULL	length amidship.	Butts of Side Stringers	DR.	riveted.	
		Straps, single, double or overlapped for	FULL	length amidship.		" Tie Plates	DR.	riveted.	
Second Deck Stringer Plate		Butts, riveted for	✓	length amidship.	Inner Bottom Plating, riveting of Edges	DR & SR	Butts TR & DS SR		
		Straps, single or overlapped for	✓	length amidship.	Centre Girder Butts, riveted	TR	Keelson Butts, riveted.		
					Frames, riveted through Plates with	7/8	in. Rivets, about	5 1/2	apart.
					Rivets, state whether Iron or Steel	IRON			

FRAMES extend in one length from	Scrubber line	to	Marginal line to Gunwale	State if ordinary or joggled	Yes
REVERSED FRAMES on floors and frames extend from	Scrubber line to tank margin			State if ordinary or joggled	Yes

MASTS, SPARS, &c.											
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hoops.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS.....	Fore	STEEL	48-0	24x44	19x35	18x35	TWO	✓	✓	SINGLE	TR & DS SR
	Main	STEEL	46-0	24x44	19x35	18x35	TWO	✓	✓	SINGLE	TR & DS
	Mizen										
Bowsprit											
Topmasts, Yards and Remainder of Spars											
Rigging, Material and Size, Shrouds											
Sails.	DR										
Suit of											
Sails, and the following spare sails											

EQUIPMENT No. 29836 ✓				LETTER t.				ANCHORS.				TONNAGE UDK OR PLATING No. FOR TRAWLERS.					
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.
38644	1st Bower ...	43	0	4	Stockless			54	14	2	0	42	0	0	Parker Cat-clip hook.	Parker 88° F.	Exp. 12/1/12 Pawnee
35930	2nd „ ...	41	2	2	-			36	16	1	0	42	0	0	-	-	- 22/1/10 -
37958	3rd „ ...	36	0	14	-			33	4	0	4	35	2	0	-	-	- 24/1/11 -
✓	4th „ ...	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	-	-	-
	Collective weight	120	2	22	✓							119	2	0			
38346	Stream	11	0	14	2	3	14	13	0	0	0	11	0	0	Ordinary	Parker 88° F.	Exp. 14/3/11 Pawnee
38344	Kedge.....	5	1	0	1	1	4	4	11	3	14	5	1	0	-	-	-

U Patent state Name of Patentee.

Stockless, state Mechanical Trials.

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Length and Size per Table 31.		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 31.		If Patent state Name of Patent.
	Length.	Diam.	Stations.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.	Tons.	Fathoms.	Length.	Cir.	
39544	120.3	1 1/8	685.0	85.10.0	215.2.19				STUD	Parker 88°	11/11/11	SW	120.3	4	33	100	4		11/11/11
39548	120.3	1 1/8	685.0	85.10.0	215.2.19				STUD	Parker 88°	11/11/11	SW	120.3	4	33	100	4		11/11/11
TOTAL	240.6				430.4.0	430.4.0	240	1 1/8					240.6	8	66	200	8		
Iron Stream Chain or Steel Wire	40	4 1/2	35				40	4 1/2	SW				40	4 1/2	35	80	4 1/2		

Boats *Three Boats.*

Pumps, Number *1 Hydraulic pump. 5" dia* **Steering Gear, Steam** *Yes* **Steering Gear, Hand** *Yes*

Windlass is *Steam* **Diameter of Barrel** *5* **State whether they are in efficient working order** *Yes*

Engine Room Skylights. *How constructed? Steel plate & angles.* **What arrangements for deadlights in bad weather?** *Steel flaps.*

Coal Bunker Openings. *How constructed? Steel plate & angles.* **How are lids secured?** *Yampaulus & cleats.* **Height above deck?** *4-8"*

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *Five scuppers each side & five ports 2-6 1/2 x 1-7 1/2 each side*

Ceiling in Holds, thickness and material *W.P. 3/4"*

Cargo Hatchways. *How formed? Steel plate & angles* **Cargo Battens, thickness and material** *W.P. 6 x 2.*

State size No. 1 Hatch (Forward) *38-3 x 31-0 x 42* **No. 2 Hatch** *38-3 x 33-0 x 42* **No. 3 Hatch** *40-6 x 33-0 x 54* **No. 4 Hatch** *40-6 x 33-0 x 54*

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *Three wood joists & girders to each hatchway.*

Bulwarks, height above deck and description *60 x 30. Sharp flanged plate 110 spaced Main Rail, material and size.* **No. of Breasthooks** *Four* **No. of Crutches** *Eight*

The foregoing is a correct description *Robert D. McCauley* **Surveyor's Signature** *James Lewis*

Builder's Signature (here only) *Robert D. McCauley* **Surveyor to Lloyd's Register of British and Foreign Shipping.**

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

M. 1st 12th 20th 26th 1911. 7th 28th 7/11. 12th 8/11. 1st 4/11. 9/2/12. 29/2/12.

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed when practicable.*

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.*

from the faying surfaces? *Yes.* **Do any rivets break into or through the seams or butts of the plating?** *Yes after.*

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. 26, par. 20)? *Yes* **State results of tests** *good*

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? *Yes* **State results of tests** *good*

General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the Rules and approved plans forwarded herewith. The materials & workmanship are of good quality. Three foregoing reports are attached hereto.*

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

The amount of Entry Fee..... £ 5 : : : Fees applied for, *2/4 1912*

Special Survey Fee.... £ 84 : 11 : : Received by me, *James Lewis*

Traveling Expenses, if any £ : : : *4/7 1912*

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *Full A1 - 2 Intermediate Bulkheads.*

With, or without Freeboard, as condition of Class *In Main Hold Dispensed with 3 B.H. only.*

Committee's Minute *GLASGOW 9- JUL 1912*

Character assigned *1- 100 B1.*

2 Intermediate B.H. in main hold dispensed with - 3 B.H. only

Lloyd's Assoc

+ LMC 7.12 jlw

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 70.95 ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle $3\frac{1}{16}$ 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) 1 DECK (STEEL)

Official No. _____; Signal Letters _____

State if Machinery is fitted aft Yes

How are the surfaces preserved from oxidation? Inside Painted every 6 months & Paint.

Outside Paint.

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

Where Fitted.	*Length. Feet.	Water Capacity, Tons.	Where Fitted.	*Length. Feet.	Water Capacity, Tons.
Double bottom, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Fore peak tanks,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, under Engines and Boilers,	<u>51-6</u>	<u>138</u>	After peak tank,	<input checked="" type="checkbox"/>	<u>20 3/4</u>
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Double bottom, forward,	<u>185-0</u>	<u>54 1/2</u>	Other tanks, if fitted, <u>BETWEEN Nos 1 & 2, 2 & 3, 3 & 4 MATCH.</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Total capacity of double bottom	<u>415</u>	<u>415</u>	<u>WATER ON DECK.</u>	<u>TOTAL</u>	<u>65</u>

* 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. 2647

Date 26th May 1911.

No. 320 in builder's yard.

DATES OF SURVEYS held while building

1911. July 19. 25. 27. Aug. 1. 4. 7. 9. 11. 16. 25. Sept. 4. 14. 19. 21. 28. 29. Oct. 4. 6. 11. 13. 17. 19. 25. 31. Nov. 6. 10. 16. 24. 27. 29. Dec. 6. 13. 14. 20. 27. 1912 Jan. 11. 16. 18. 24. 26. 31. Feb. 1. 6. 9. 14. 16. 19. 22. 28. Mar. 1. 7. 8. 15. 19. 22. 26. April 4. 10. 13. 18. 24. 27. May 2. 5. 6. 8. 13. 21. 28. 30. June 5. 7. 12. 17. 19. 26. 28. 29. July 1.

Total No. of Visits 79.

Surveyor's Signature J. James Craig

Lloyd's Register
Foundation