

WEB FRAMES.		Inches in Ship.	Inches per Rule.	Inches per Rule.	Inches per Rule.	FORGINGS OR CASTINGS.		Inches in Ship.	Inches per Rule.
WEB-FRAMES, In Fore Body, No. and spacing		One in deep tank				KEEL, Bar, depth and thickness		Flat Plate Keel	
" " " brdth. & thickness		30	46	30	46	STEM, moulding and thickness		10 x 2 3/4	10 x 2 3/4
" No. of Side Stringers						STERN-POST for Rudder do. do.		9 x 7 1/2	9 x 7 1/2
WEB-FRAMES, In Fore Body, No. & spacing		3 @ 13' 0" x 15' 2"				" for Propeller		10 x 7 1/2	10 x 7 1/2
" " " brdth. & thickness		30	46	30	46	RUDDER-A x D* Table 22. Speed		490.	
WEB-FRAMES, In After Body, No. and spacing						" Main-Piece, diameter at head		10 1/2	10 1/2
" " " brdth. & thickness						" " at heel		8.	8.
" No. of Side Stringers									
" Size of Face Angles to Web-Frames		7 x 3 1/2 x 6 1/4		7 x 3 1/2 x 6 1/4					
BRACKET PLATES to Stringers between									
Web Frames, depth and thickness									

BULKHEADS.		Number.	Thickness.	STIFFENERS.		Single or Double Frames.	Height up, state deck.	RUDDER, how constructed	
		Vessel.	Per Rule.	Horizontal.	Vertical.				
			Inches.	Size.	Spacing.	Size.	Spacing.	Single Plate	
W.T.BULKHEADS		7	6	1/4	1/4	1/4	1/4	Thickness of Plates or Single Plate 1.08	
6 B.H. to upper								Can the Rudder be unshipped afloat? Yes	
8th Coll. B.H. to									
Shelter 8th									
" COLLISION "									
PARTITION After Peak									
LONGITUDINAL									

Are the outside Plates doubled two spaces of Frames in length? Bracket fitted

Are the Stairs and Watertight Doors in efficient working order? 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.? Open hearth process

David Colville Sons & Co., Glasgow & Co., Stewarts and Lloyd's The Steel Co. of Scotland

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

PLATING.										RIVETING.									
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES, Ordinary or joggled?				BUTTS.							
		AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		RIVETS.		RIVETS.		STRAPS.		IF LAPPED.			
		Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.	Breadth.	For what Length.
FLAT PLATE KEEL.....		47	98	70	70	47	98	Double	6 3/4	1 1/2	3 1/4	QUAD	1 1/2	4 1/2	16	12			
GARBOARD OR A Strake			58	46	46		58		5 1/4	7/8	3 1/4	Drill	7/8	3 1/2					
State actual thickness in way of Double Bottom.			58	46	46		58												
B "			58	46	46		58												
C "			58	46	46		58												
D "			58	46	46		58												
E "			62	46	46		62												
F "			62	46	46		62												
G "			64	46	46		64												
H "			64	46	46		64												
J "			64	46	46		64												
K "			64	46	46		64												
L "			64	46	46		64												
M "			64	46	46		64												
Sheer N "		52	68	44	44	52	68												
O "																			
P "																			
Q "																			
R "																			
S "																			
T "																			
U "																			
V "																			
W "																			
THICKNESS OF SHEER STRAKE																			
CLEAR OF LONG BRIDGE																			
DO. OF STRAKE BELOW																			
DELT. of Flat Plate Keel																			
" Sheerstrakes																			
Length and thickness.																			
POOP SIDES																			
SHORT BRIDGE SIDES																			
FORECASTLE SIDES				40		40		Single	3	3/4	3	56	3/4	2 7/8					

Awning or Shelter Deck	Butts, riveted for	full	length amidship.
	Straps, single, double or overlapped for	full	length amidship.
Stringer Plate	Butts, riveted for	full	length amidship.
	Straps, single or overlapped for	full	length amidship.
Upper Deck	Butts, riveted for	full	length amidship.
	Straps, single or overlapped for	full	length amidship.
Stringer Plate	Butts, riveted for	full	length amidship.
	Straps, single or overlapped for	full	length amidship.
Butts of Side Stringers riveted.			
Tie Plates riveted.			
Inner Bottom Plating, riveting of Edges riveted.			
Centre Girder Butts, riveted.			
Keelson Butts, riveted.			
Frames, riveted through Plates with 7 in. Rivets, about 6 1/2 apart.			
Rivets, state whether Iron or Steel Iron			

FRAMES extend in one length from Centre line to Margin line & Shelter 8th State if ordinary or joggled Joggled

REVERSED FRAMES on floors and frames extend from Centre line to Margin plate, wing hatches outside Margin Plate State if ordinary or joggled Joggled

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	46.6	27 x 65	26 x 65	22 x 55	20 x 55	2			Single	Drill
	Main	48.0	27 x 65	26 x 65	22 x 55	20 x 55	2			do	do
	Mizen										
Bowsprit											
Topmasts	Yards and Remainder of Spars										
Rigging, Material and Size, Shrouds	4" Steel wire										
Sails.	Suit of										
			Sails, and the following spare sails.								

EQUIPMENT No. 34466 LETTER 2

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, IN STOCK			WEIGHT OF STOCK.			TEST, per CERTIFICATE.				WEIGHT REQ. 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.				
27300	1st Bower	60	2	21	Stockless			48	15	0	0	60	0	0	Byers Steelless	Byers No 1	Sunderland 28.11.22 Miller	
27301	2nd „	60	0	0	do			48	7	2	0	60	0	0	do	do	do do do	
27324	3rd „	50	2	0	do			42	13	3	0	50	2	0	do	do	do 11.12.22 do	
	Collective weight	171	0	21								170	2	0				
14631	Stream ...	17	0	7	4	1	7	18	6	0	0	16	1	0	Common	Kendrick & Hall	Cardiff 8.9.22 Jones	
	Kedge.....																	
Cast Steel Heads of Workless Anchor Test certificate for by Mr Robertson																		

Cast Steel Heads of Blackless Anchor Tests certified for by Mr Robertson

CHAIN CABLES.

HAWSERS AND WARPS.

Number of Certificate.	Length and Size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms 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.	Fathoms and size per Table 31.	
	Length.	Diam.		Supplied.	Per Rule.						Length.	Cir.		Length.	Cir.
25404	270	2 1/2	120	65 1/2	64 3/4	270	2 1/2	Steel	Kendrick & Hall Cardiff 22.9.22 Jones	TOWLINE S.W.	120	4 3/4	65 1/2	120	4 3/4
										HAWSERS & WARPS S.W.	21 90	2 3/4	15 1/2	21 90	2 3/4
										" S.W.	21 90	2 1/2	12 1/2	21 90	2 1/2
										"					

Iron Stream Chain or Steel Wire...

Boats 4 Lifeboats & 1 Cutter

Pumps, Number 5 Downstroke (1/4" aft. Pist. flut) (1/4" Pist. flut)

Windlass is Clarke Chapman Electric Hand

Engine Room Skylights.—How constructed? Steel

Coal Bunker Openings.—How constructed? Oil fuel bunker

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 6 Scuppers each side on upper deck 6 each side on lower deck

Ceiling in Holds, thickness and material 2 1/2" W.P.

Cargo Hatchways.—How formed? Steel Plating and Angles

State size No. 1 Hatch (Forward) 27' 0" x 17' 0"

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 12 1/2" x 5" (4 webs) 12 1/2" x 5" (5 webs)

No. 3 (2 webs)

Bulwarks, height above deck and description Steel 3' 6" Amidships Open rail at end

The foregoing is a correct description.

Builder's Signature (here only) ARCHD. McILLAN & SON, LTD.

Steering Gear, Steam Electric by Fairbank & Lemmon

Diameter of Barrel 5" State whether they are in efficient working order Yes

Capstan

What arrangements for deadlights in bad weather? Steel Flaps & Bulwarks

How are lids secured? Height above deck?

Cargo Battens, thickness and material 2" W.P.

Hatches, If strong and efficient? Yes

No. 2 Hatch 30' 4" x 17' 0"

No. 3 Hatch 13' 0" x 16' 0"

No. 4 Hatch 28' 2" x 17' 0"

No. 5 Hatch 23' 10" x 17' 0"

No. of Breasthooks 9 including Brackets No. of Crutches 2

Main Rail and Stays, material and size 7" half angle 7' x 3' 40 lb. A.

Surveyor's Signature J. McIlwain

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) 4.11.20, 13.11.20

20.11.20, 7.12.20, 25.12.20, 29.12.20, 31.12.20, 15.3.22, 16

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 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. 26, par. 20)? Yes

State results of tests Satisfactory

Have 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.) Workmanship Good

This vessel has been built in accordance with the approved plan the Secretary's

letters of the above date and in accordance with the Rules for the class contemplated.

The vessel is fitted for carrying oil fuel in Nos 1, 2, 3, 6 & 7 sections of the double bottom and in

the deep tanks abaft the motor room. The Requirements of Section 49 of the Rules have been complied

with

1st Approved plan and 1 Copy of Mid sec. as vessel built. are forwarded herewith

The Surveyor should state the Number of Report and Name of any Sister Vessel built or Yard Number of any building.

The amount of Entry Fee £ 8 : 0 : 0

Special Survey Fee £ 32 : 16 : 0

Travelling Expenses, if any £ 10 : 0 : 0

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed 100 A.1

With, or without Freeboard, as condition of Class With

Fees applied for, 23.3.1923

Received by me, 27.5.1923

H.M. Certificate to be sent to Glasgow Date of Issue 28/4/23

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

Committee's Minute GLASGOW 28 MAR 1923

Character assigned 100 A.1 Shelter Oil w/bd

3.23

Lloyd's At CP

+LMC 3.23

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 34'
(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 should appear in the Register Book) 2nd (Stl) + Shelter D^g (Stl)
Official No. 147205; Signal Letters _____ State if Machinery is fitted aft no
How are the surfaces preserved from oxidation? Inside Bilge Cemented Outside Paint
edges of outside plates 7 WT. cemented

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.
Double bottom, aft,	<u>121</u>	<u>314</u>	Fore peak tank,		<u>117</u>
Double bottom, under Engines and Boilers, <u>made inside 26</u>		<u>100</u>	After peak tank,		<u>86</u>
Double bottom, if under Engines only, <u>Room</u>			Deep tank, aft,	<u>604</u>	<u>1414</u>
Double bottom, if under Boilers only,			Deep tank, forward,	<u>810</u>	
Double bottom, forward,	<u>154</u>	<u>481</u>	Other tanks, if fitted,		
	Total capacity of double bottom	<u>895</u>	(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. 5585
Date 27.6.1921
No. 630 in builder's yard.
DATES of Surveys held while building
1921 Jan 28 Feb 1. 4. 8. 11. 15. 18. 22. 25. Mar 4. 11. 15. 18. 22. 25. 31. Apr 6. 8. 12. 15. 19. 22. 26. May 3. 6. 10. 13. 17. 24. 27.
3. 7. 15. 22. 24. 28. Jul 5. 8. Aug 2. 10. 16. 23. 30. Sep 2. 8. 23. Oct 9. 12. 18. 25. Nov 1. 4. 8. 15. 18. 25. 29. Dec 6. 20. 27. 28.
Jan 11. 13. 18. 24. Feb 2. 17. 27. Mar 8. 24. 29. Apr 6. 13. May 20. Jun 2. 8. 15. 23. 27. Jul 6. 10. 28. Aug 4. 7. Sep 1. 6. 10.
Oct 3. 5. 6. 10. 13. 17. 20. 24. 26. 31. Nov 3. 7. 8. 15. 24. 28. Dec 4. 11. 12. 13. 22. 26. 28. 1923 Jan 16. 18. 23. 26. 30. Feb 1. 9. 16. 20.
2. 7. 16.
Total No. of Visits 12

Surveyor's Signature

Lloyd's Register Foundation