

WEB FRAMES. In Fore Body, No. and spacing. No. of Side Stringers. WEB-FRAMES, In E. & B. Space, No. & spacing. WEB-FRAMES, In After Body, No. and spacing. No. of Side Stringers. Size of Face Angles to Web-Frames. BRACKET PLATES to Stringers between Web Frames, depth and thickness.

BULKHEADS. Number. Thickness. STIFFENERS. Single or Double Frames. Height up, state deck. W.T. BULKHEADS. COLLISION PARTITION LONGITUDINAL.

Are the outside Plates doubled two spaces of Frames in length? Large Brackets. Are the Sluice Valves and Watertight Doors in efficient working order? Yes.

FORGINGS or CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. for Propeller. RUDDER-A x D. Table 22. Speed under 12 Knots A x D = 7/16. Main-Piece, diameter at head. at heel.

RUDDER, how constructed. Thickness of Plates or Single Plate. 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. Has the Steel been tested as required by the Rules?

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. AMIDSHIP. FORWARD. AFT. AMIDSHIP. Breadth. Thickness. Thickness. Thickness. Breadth. Thickness. Thickness.

RIVETING. EDGES. Ordinary or joggled? Rivets. Double or Treble and for what Length. BUTTS. Rivets. STRAPS. IF LAPPED. Rivets. Breadth. Thickness. Breadth. For what Length.

Butts of Side Stringers. Tie Plates. Inner Bottom Plating, riveting of Edges. Centre Girder Butts. Frames, riveted through Plates with. Rivets, state whether Iron or Steel.

FRAMES extend in one length from Middle Line to Margin and thence to gunwale. REVERSED FRAMES on floors and frames extend from Middle Line to Margin and thence to Upper Deck.

MASTS, SPARS, &c. LOWER MASTS. Fore. Main. Mizzen. Bowsprit. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails. Suit of.

EQUIPMENT No. 39449 LETTER at ✓										ANCHORS.									
Number of Certificate.	Anchors.	WEIGHT, EX. 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.					
86059	1st Bower	69	2	21	45	2	17	53	12	2	0	68	0	0	Hollopatent stockless	N. Hingley & Son	Netherpton 20/12/22 Green		
86060	2nd "	68	3	16	45	0	3	53	5	0	0	68	0	0					
86128	3rd "	67	2	14	41	2	15	52	10	0	0	58	2	0					
Collective weight		206	0	23							194			2	0			8/12/22 -	
85638	Stream	18	1	16	5	0	6	19	8	3	0	19	0	0	Rodgers Ordinary	N. Hingley & Son	Netherpton 14/3/22 Green		
86121	Kedge	8	0	2	2	0	24	10	5	0	0							18/12/22 Green	
See Secretary's letter 19/1/23.																			

Particulars of Drop Test of Cast Steel Anchors, viz. :—		1st Bower	41-0-14 LPH.T. N ^o 773	26-10-22
Weight, Surveyor's Initials, Number of Certificate, Date of Test.		2nd "	40-2-0 LPH.T. N ^o 771	26-10-22
		3rd "	37-4-18 LPH.T. N ^o 764	5-10-22

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 Towline.		Fathoms and size per Table 31.			
	Length.	Diam.	Stam- tory.	Break- ing.	Supplied.	Per Rule.	Cwts. qrs. lbs.	Cwts. qrs. lbs.	Length.	Diam.						Fathoms.	Ins.	Fathoms.	Ins.	Tons.	Fathoms.	Ins.	Length.
76164	135	2 7/16	96	5	134	15	360	3-1/2	270	2 7/16	Stud	N. Hingley & Son	Netherpton	19/12/22	TOWLINE	120	5 1/2	80	120	5 1/2			
76165	135	2 7/16	-	-	-	-	360	2-1/2	-	-	-	-	-	21/12/22		4 coils	120	5 1/2	22	90	2 3/4		
Steel Wire...		90	5	73					90	5	Steel Wire	Sullivan & Co.	Supt. H. Green		"	"				90	2 3/4		
Makers certificates examined													"	"								90	2 1/2

Boats 4 Life Boats
Pumps, Number 4 Hand Pumps to Fore Peak Tank Top and Stern compartment only
Windlass is Emerson Walker patent steam direct.
Engine Room Skylights.—How constructed? Steel Plates and Angles
Coal Bunker Openings.—How constructed? Steel Plates and Angles
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. none
Ceiling in Holds, thickness and material none
Cargo Hatchways.—How formed? State size No. 1 Hatch (Forward) No. 2 Hatch No. 3 Hatch No. 4 Hatch
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch
Bulwarks, height above deck and description open rails
The foregoing is a correct description.
Builder's Signature (here only) For HARLAND & WOLFF Ltd.
Surveyor's Signature S. O. Kendall
Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case)
M 30/1/16, 24/1/17, 20/10/19, 24/10/19, 30/10/19, 3/11/19, 10/11/19, 24/12/20, 3/1/21, 12/3/23, 29/10/20, E 5/5/20, 9/6/20, 6/7/20
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 the holes for riveting plate to frames, butt straps, or plate
Are the rivet holes well and sufficiently countersunk in the plate and punched
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
Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes
State results of tests satisfactory
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 materials and workmanship are good throughout, she is an "N" Type standard vessel fitted with cylindrical tanks for the carriage of oil fuel cargoes.
The bunkers and No. 4 double bottom tank have been arranged for the carriage and burning of oil fuel and have been tested as required by the Rules and found good
The cargo tanks were tested in accordance with the Secretary's letter of the 21st April 1920 and found good.
Six casting and forging reports are enclosed herewith.
The approved plans are at present in the Glasgow Office for the guidance of the Surveyors in dealing with the sister vessel "Invergordon"
S.S. Inverleith N^o 589. S.S. Inverurie N^o 590. S.S. Invergoil N^o 641. FE Report N^o 8837
The Surveyor should state the Number of Report and Name of any Sister Vessel.
Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee £ 10 : 0 : 0
Special Survey Fee £ 559 : 0 : 0
Travelling Expenses, if any £ : :
Fees applied for, 30th Mar 1923.
Received by me, S. O. Kendall
H.M. Certificate sent to This Office Belfast
Date of issue 10/5/23
State whether the Vessel has been built under Special Survey Yes.
I am of opinion this Vessel should be Classed 100A1
With, or without Freeboard, as condition of Class with freeboard
Committee's Minute TUE. 17 APR. 19
Character assigned 100A1
Shell dk with fbd
carrying oil fuel A.P. above
150° F in 2TB. & in circular
tanks fitted in holds
+ Lph 3.23 c.d.
Lied for oil fuel 3.23
F.P. above 150° F 2020

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GENERAL REMARKS—(continued).

Capacities of Circular Tanks for Water Ballast.

	No	DIA	TONS
FOR ^W	1	20'-0"	532
	2	47'-0"	2148
	3	49'-0"	2321
	4	49'-0"	2280
	5	45'-0"	1937
AFT	6	21'-0"	362

Total 9580 Tons.

Including capacity of double bottom.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., R.Q.D. ft., Bridge ft., Forecastle 40 ft. on Shelter Dk.
(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) 1 Dk (Stl) & Shelter Dk (Stl) 7 Bds to Shelter Dk, 1 to Upper Dk.
Official No. 146709; Signal Letters. State if Machinery is fitted aft no
How are the surfaces preserved from oxidation? Inside Paint and Portland 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. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	84	440	Fore peak tank, Dry.		
Double bottom, under Engines and Boilers,			After peak tank, Dry.		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
			(If necessary, furnish further information by sketch.) see above.		
			State whether the above have been tested as required by the Rules Yes.		

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

Order for Special Survey No. 714

Date 9th April 1920

No. 591 in builder's yard.

Dates of Surveys held while building

From 21st May 1920 to 27th March 1923.

Surveyor's Signature

L. Kendall.

Total No. of Visits 82

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