

WEB FRAMES.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	FORGINGS or CASTINGS.	Inches in Ship.	Inches per Rule, Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing		1	10 1/2	1	10 1/2	KEEL, Bar, depth and thickness		
" " " " brdth. & thickness		15	36	16	36	STEM, moulding and thickness	7 1/2 x 2 3/8	7 1/2 x 2 3/8
" " " " No. of Side Stringers		2-16	36	2-16	36	STERN-POST for Rudder do. do.		
WEB-FRAMES, In E. & B. Space, No. & spacing		4	8 1/2	4	8 1/2	" " " " for Propeller	7 1/2 x 5 1/2	7 1/2 x 5 1/2
" " " " brdth. & thickness		16	36	16	36	RUDDER—A x D Table 22. Speed 9 knots	1182	
WEB-FRAMES, In After Body, No. and spacing		10	8 1/2	10	8 1/2	" " " " Main-Piece, diameter at head	8 1/2	8 1/2
" " " " brdth. & thickness		16	36	16	36	" " " " at heel	5 x 5	5 x 5
" " " " No. of Side Stringers		2-16	36	2-16	36			
Size of Face Angles to Web-Frames		5 x 3 1/2 x 56	5 x 3 1/2 x 56					
BRACKET PLATES to Stringers between Web Frames, depth and thickness		None	None					

BULKHEADS.			Number.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up, state deck.	
			Vessel.	Per Rule.	Horizontal.		Vertical.				
					Size.	(Spacing)	Size.	(Spacing)			
					Inches.	Inches.	Inches.	Inches.			
No 18-38-46-53					38	12 1/2	63	6 1/2	24	do	17 1/2 ft
WT. BULKHEADS			10	10	38	12 1/2	63	6 1/2	24	do	do
do 32-34-70-72					38	12 1/2	63	6 1/2	24	do	do
do 84					38	12 1/2	63	6 1/2	24	do	18 1/2 ft
do 99					38	12 1/2	63	6 1/2	24	do	17 1/2 ft
WT. 105					32	12 1/2	63	6 1/2	24	do	21 ft
" COLLISION "			15	1	32	12 1/2	63	6 1/2	24	do	22 ft
PARTITION "			18	1	32	12 1/2	63	6 1/2	24	do	23 1/2 ft
LONGITUDINAL "			1	1	32	12 1/2	63	6 1/2	24	do	16 1/2 ft

Are the outside Plates doubled two spaces of Frames in length? *no to*
 Are the Sluice Valves and Watertight Doors in efficient working order? *none fitted*

PLATING.		RIVETING.	
AS IN SHIP.		PER RULE OR AS APPROVED.	
STRAKES.		EDGES.	
AMIDSHIP.		AMIDSHIP.	
Breadth.		Breadth.	
Thickness.		Thickness.	
Inches.		Inches.	
FLAT PLATE KEEL.....		Double	
GARBOARD of A Strake		do	
B "		do	
C "		do	
D "		do	
E "		do	
F "		do	
G "		do	
H "		do	
J "		do	
K "		do	
L "		do	
M "		do	
N "		do	
O "		do	
P "		do	
Q "		do	
R "		do	
S "		do	
T "		do	
U "		do	
V "		do	
W "		do	

Upper Deck	Butts, riveted for	full	length amidship.
Stringer Plate	Straps, single, double or overlapped for	full	length amidship.
Second Deck	Butts, riveted for		length amidship.
Stringer Plate	Straps, single or overlapped for		length amidship.

FRAMES extend in one length from	Centre Girder	to	Upper Deck Stringer	State if ordinary or jogged	Ordinary
REVERSED FRAMES on floors and frames extend from	Centre Girder	across top	of Floors	State if ordinary or jogged	Ordinary

MASTS, SPARS, &c.		DIAMETER AND THICKNESS.		No. of Plates in round.		ANGLES.		RIVETING.	
Material.		Total Length.		At Partners.		Number.		Seams.	
Fore									
Main									
Mizen									
Lower Masts									
Bowsprit									
Topmasts, Yards and Remainder of Spars									
Rigging, Material and Size, Shrouds									
Stays									
Sails									

EQUIPMENT No.		LETTER		ANCHORS.		TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS	
Number of Certificate.		Weight, Ex. Stock.		Weight of Stock.		Description of Anchor.	
2485		28 0 3		27 2 2		Stock has	
2486		28 0 9		27 4 1		do	
3191		56 0 12		24 0 0		do	
Stream		10 1 12		12 4 1		do	
Kedge						do	

Particulars of Drop Test of Cast Steel Anchors, viz.:—
 Weight, Surveyor's Initials, Number of Certificate, Date of Test.
 1st Bower
 2nd "
 3rd "
 4th "

CHAIN CABLES.		HAWSERS AND WARPS.	
Number of Certificate.		Length and size supplied.	
Length, Diam.		Length, Cir.	
Fathoms, Ins.		Fathoms, Ins.	
89		180 1 1/2	
Iron Stream		Cir.	

Boats 2-24-0 x 7-0 x 3-0 *Arctic Life Boats*
 Steering Gear, Steam *Hyds*
 Pumps, Number 2-Runsey *also double acting*
 Diameter of Barrel 5"
 Windlass is *Everson Walker*
 Capstan *Hyds Deck Winch*
 Engine Room Skylights.—How constructed? *Steel*
 What arrangements for deadlights in bad weather? *Very heavy glass*
 Coal Bunker Openings.—How constructed? *Bulkheads*
 Height above deck? *9"*
 Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *2-5 each side on Main Deck, 2-2 1/2 each side on Deck, 2-23 x 11" Passing ports*
 Ceiling in Holds, thickness and material *in fore hold only 3" wood*
 Cargo Battens, thickness and material *None*
 Cargo Hatchways.—How formed? *3 1/2 x 3 x 3/4 L camming*
 Hatches, If strong and efficient? *Yes*
 State size No. 1 Hatch (Forward) *hold 7'2 1/2' x 24' Cammy No. 2 Hatch 2'4' x 8' x 5'0"*
 No. 3 Hatches *2-7'8 x 3'0"*
 No. 4 Hatch *2-6'11 x 5'0"*
 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *on fore hold hatch only 8' x 5 1/2" x 3" built T.*
 No. of Breasthooks *Two*
 No. of Crutches *Two*
 Bulwarks, height above deck and description *12 ft. fore and 10 ft. aft 43" plate*
 Main Rail, material and size *5" galv. chain*
 The foregoing is a correct description.
 Builder's Signature *John J. Litch*
 Surveyor's Signature *J.R. Penson*
 Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (References should be made in any correspondence connected with the case)
 23/8/15, 28/10/15, 29/11/15, 11/1/16, 15-17/2/16, 10-28/3/16, 24/4/16, 31/7/16, 14/8/16, 19/9/16, 5/9/16
 Workmanship. Are the butts of plating planed or otherwise fitted? *Yes*
 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? *3*
 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.)
Oil tight bulkheads tested in accordance with the Rules with head of water 8 feet above top of Expansion Tank
This vessel has been built in accordance with the Rules, and approved plans
The quality of material and workmanship is good.
Is Royalite (Collingwood Shipbuilding Co Yard No 45) and Is Sarnolite (Collingwood Shipbuilding Co Yard No 47) are sister ships.

The amount of Entry Fee		Fees applied for,	
£ 5 : 0 : 0		18/2/1916	
Special Survey Fee		Received by me.	
£ 76 : 10 : 0		15/2/1917	
Travelling Expenses, if any		15/2/1917	
£ 49 : 15 : 5		15/2/1917	
State whether the Vessel has been built under Special Survey		Yes	
I am of opinion this Vessel should be Classed		+ 100 A	
With, or without Freeboard, as condition of Class		J.R. Penson	
Committee's Minute		FRI. 17 NOV. 1916	
Character assigned		100A - Carrying petroleum in bulk	

Surveyor to Lloyd's Register of Shipping.
 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.
 Certificate to be sent to *Toronto* Date of issue *17/1/16*
 Lloyd's Register of Shipping

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 62.67 ft., R.Q.D. ft., Bridge ft., Forecastle 42.9 ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated Poop is joined to Expansion Tank which
is continuous and joined to Forecastle at fore end.

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 Steel Deck

Official No. 134514 ; Signal Letters State if Machinery is fitted aft Machinery aft
How are the surfaces preserved from oxidation? Inside Cement used in fore and after peaks Outside Painted

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

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	<u>14.5</u>	<u>210</u>
Double bottom, under Engines and Boilers,	<u>42</u>	<u>108</u>	After peak tank,	<u>14.0</u>	<u>51</u>
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,		
	Total capacity of double bottom	<u>108</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.

Date 21/12/15

No. 46 in builder's yard.

DATES OF SURVEYS
held while building

6/10/15, 14-22-28/10/15, 9-25-30/11/15, 9/12/15, 7-19-22/1/16, 10-25/2/16, 9-24/3/16
5-13-29/4/16, 5-13/5/16, 12-13/7/16, 27/7/16, 3-16-17-18/8/16, 29-24-29-30/8/16
5-6-7-8-13-14-15-16/9/16

Total No. of Visits 40

Surveyor's Signature

J. P. F. Armes
Foundation