

[illegible]

EQUIPMENT No. 39625						LETTER A F						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.		
Certificate	No.	Anchor	Weight	Ex. Stock	Stock	Weight	Test	Weight	Description	Makers	Where and when tested	Superintendent	Certificate	No.	Anchor	Weight	Ex. Stock	Stock
3677	1st Power	73	1	26	STOCKLESS	55	10	-	68	-	NATIONAL	SEABOARD STEEL CASTINGS COMPANY	CHESTER Johnson	22/12/16	"	"	"	"
3679	2nd "	73	1	16	"	55	10	-	68	-	"	"	"	"	"	"	"	"
3677	3rd "	73	2	15	"	55	0	-	58	2	"	"	"	"	"	"	"	"
3674	Collective weight	219	2	1	"	"	"	"	194	2	"	"	"	"	"	"	"	"
3674	Stream	26	2	22	STOCKLESS	76	3	3	0	23	3	NATIONAL	"	"	"	"	"	"
3699	Kedge	13	0	24	"	14	19	1	14	10	-	"	"	"	"	"	"	"

CHAIN CABLES.										HAWERS AND WARPS.															
Number of Certificate.		Length and Size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.		Fatigue 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 Towsline.		Fatigue and Size per Table 31.			
Certificate	No.	Length	Diam.	Tons	Grs.	Lbs.	Supplied	Per Rule	Length	Diam.	Supplied	Per Rule	Length	Diam.	Supplied	Per Rule	Length	Diam.	Supplied	Per Rule	Length	Diam.	Supplied	Per Rule	
180		270	2 1/2	13 1/2	13 1/2	13 1/2	13 1/2	13 1/2	270	2 1/2	13 1/2	13 1/2	LEBANON CABLE WORKS	LEBANON P.A. 20/17 H. Craig			TOWLINE G.S.W.	120	5 1/2	65	120	5 1/2	65	120	5 1/2
		90	3	4	4	4	4	4	90	3	4	4					HAWERS & WARPS	2090	8 M	2090	8 M	2090	8 M	2090	8 M

Boats # Two
Pumps, Number Two
Windlass is Steam by Union Iron Works Co.
Engine Room Skylights.—How constructed? Steel plates & angles
Coal Bunker Openings.—How constructed? Steel plates & angles
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. Six each side
Ceiling in Holds, thickness and material 2 1/2" P. Pine
Cargo Hatchways.—How formed? Steel plates & angles
State size No. 1 Hatch (Forward) 30.0 x 18.0 No. 2 Hatch 30.0 x 18.0 No. 3 Hatch 10.0 x 18.0 No. 4 Hatch 30.0 x 18.0
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch No. 1 Five No. 2 Five No. 3 One No. 4 Five No. 5 Five
No. of Breasthooks 8 No. of Crutches
Bulwarks, height above deck and description Main Rail and Stays, material and size 6 x 3 x .275 ALUMINUM
The foregoing is a correct description.
Builder's Signature (here only) UNION IRON WORKS COMPANY, Engineer-in-Chief.
Surveyor's Signatures J. Blackett & Arnold Bennett
Surveys 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)
London 9/3/16 N. New York 3/11/16 N.C. 2/5/17 cable 14/5/17 cable 13/5/17 cable.

Workmanship. Are the butts of plating planed or otherwise fitted? PLANED WHERE PRACTICABLE.
Is the riveted work properly closed? YES
Are the liners between the frames and plates solid single pieces? NO LINERS
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 the plating? YES, A FEW
Are the butts of Plating, Stringers, &c., properly shifted and overlapped? 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.)
This vessel has been built in accordance with the approved plans & the rules of this Society: The materials & workmanship are of good quality.
The after Peak & Fore Peak Tanks, Deep Tank aft and Double Bottom Tanks — except Tank under engine — have been tested as required for oil fuel compartments & found satisfactory, & section 49 of the Rules has been complied with:
NOTE: On account of damage sustained after launching the vessel was examined in Floating Dock. On starboard side No 15 E strake found to be indented, was removed & replaced. No 13 & 14 E strake, slightly indented, were faired in place: 20 ft Bilge keel starboard side buckled, was removed & replaced, adjoining ends faired in place: Copy of Damage Survey Report appended hereto:
The Surveyor should state the Number of Report and Name of any Sister Vessel built or Yard Number of any building.

New York expenses, 32.40
The amount of Entry Fee \$ 25
Special Survey Fee.... \$ 1118.57
Tel. & Travelling Expenses, if any \$ 12.92
SUNDAY FEE \$ 10
State whether the Vessel has been built under Special Survey
I am of opinion this Vessel should be Classed X100A1. SHELTER IN LONGITUDINAL FRAMING.
With, or without Freeboard, as condition of Class WITH FREEBOARD

Fees applied for,
June 1 1917
Received by me, 24.7.17
YES
Certificate to be sent to SAN FRANCISCO Date of issue JUN 23/17
J. Blackett & Arnold Bennett
Surveys to Lloyd's Register of British and Foreign Shipping.

Committee's Minute
Character assigned
note:-
Lloyd faml
Equip Dr at A+C.P.
Elec Light
New York JUN 12 1917
+ 100As
Shelt Dr wfb?
+ Linc. 5.17
Fitted for oil fuel 5.17 JP above 150° F.

PARTICULARS OF LONGITUDINAL FRAMING.

GEN

FRAMING.			AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.								
			In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames. Diam. Speng.	Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.						
			Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.			Number.	Diameter. Inches.					
Framing of K, L or W SHELTER Frames in Bridge 'tween Decks... Frames from Uppermost Continuous Deck			No. 1)			7	3	438	7	3	438	7	3	438	7	3	438	5/8	5 1/4	5	7/8		
Framing from Awning, Shelter or Upper Deck to Margin Plate.			" 2	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"		
			" 3	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
			" 4	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
			" 5	9	3 1/2	438	9	3 1/2	438	9	3 1/2	438	9	3 1/2	438	"	"	"	"	"	7	"	
			" 6	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
			" 7	10	3 1/2	484	10	3 1/2	484	10	3 1/2	484	10	3 1/2	484	"	"	"	"	"	8	"	
			" 8	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
			" 9	10	3 1/2	625	10	3 1/2	625	10	3 1/2	625	10	3 1/2	625	"	"	"	"	"	"	"	
			" 10	8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	"	"	"	"	"	6	"	
			" 11	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
Spacing of Longitudinal Frames			Amidships 30"																				
			At Ends ABOUT 18"																				
Double Bottoms K, L or W			Tank Top Longitudinals			8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	5/8	5 1/4	4 3/8 for 4 rivets			
			Bottom			8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	5/8	5 1/4	3 1/2	"	"	
Spacing of Longitudinals			Amidships 30"																				
At Ends...			ABOUT 21"																				
Transverses.															Rivets in Lugs to Shell Diam. Speng.								
SHELTER In Bridge 'tween Decks			Depth and Thickness			15	✓	38	15	✓	38	15	✓	38	15	✓	38						
			Face Angle			5	3 1/2	444	5	3 1/2	444	5	3 1/2	444	5	3 1/2	444						
			Lugs to Shell*			3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	7/8	4 3/8				
In Awning, Shelter or Upper 'tween Decks.			Depth and Thickness			16	✓	40	16	✓	40	16	✓	40	16	✓	40						
			Face Angle B.U.L.A.			7	3	50	7	3	50	7	3	50	7	3	50						
			Lugs to Shell*			3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	3 1/2	3 1/2	40	7/8	4 3/8				
In Hold.			Depth and Thickness			26	✓	50	AFT 26" 50 FWD 34" 50	26	✓	50	AFT 26" 50 FWD 34" 50	26	✓	50							
			Face Angle B.U.L.A.			10	3 1/2	625	10	3 1/2	625	10	3 1/2	625	10	3 1/2	625						
			Lugs to Shell*			6	6	46	6	6	46	6	6	46	6	6	46	7/8	4 3/8	double for 4 spaces above tank top for 1 aft + 6 2nd str in for hold.			
Brackets																							
Spacing of Transverse Frames			10'0						10'0														
* State if joggled or liners.			LINERS																				
Longitudinal Beams of L, L or C			Bridge Deck ...			6	3	375	6	3	375	6	3	375	6	3	375	39"	Transverse Beams.	In Ships. Plate. Angles.		As approved. Plate. Angles.	
			Awng Shltr. Dk.			8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	47"		11x38 8x3 1/2 406 BA	11x38	8x3 1/2 406 BA	
			Upper			8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	47"		13x40 10x3 1/2 625 BA	13x40	10x3 1/2 625 BA	
			Second			8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	8	3 1/2	406	47"		14x40 " 7" ✓	14x40	" " " 8A	
			Third																				

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., to be entered in their respective places provided for on the Report Forms.

NOTE:—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, etc., on the first page.

5c, 8, 12.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle (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 should appear in the Register Book) **2 DKS (STEEL) + SHELTER DK (STEEL) + WEB FRAMES**

Official No. ; Signal Letters

State if Machinery is fitted aft **No**

How are the surfaces preserved from oxidation? Inside **PAINT + ASPHALT IN TANK UNDER ENGINES PAINT** 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,	130.0	430	Fore peak tank,	✓	8
Double bottom, under Engines and Boilers,	20.0	93	After peak tank,	✓	10
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	30.0	21
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward, AMIDSHIP	25.0	79
Double bottom, forward, UNDER BOILERS	205.0	783	Other tanks, if fitted,	✓	✓
Total capacity of double bottom	355.0	1306	(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. **17**

Date **March 25/16**

No. **132** in builder's yard.

DATES OF SURVEYS held while building

1916 Aug 25 KEEL LAID: Sept. 12, 22, 25, 28. Oct. 5, 9, 11, 16, 28. Nov. 4, 11, 20, 23. December 5, 12, 15, 21, 23, 26, 28.
1917 January 12, 16, 20, 27, 30: February 2, 8, 13, 14, 16, 20, 24, 27. March 8, 10, 12, 16, 19, 22, 23, 27, 31. April 3, 5, 6, 7, 12, 19, 25. May 2, 5, 10, 12, 14, 15, 16, 18, 22, 23.

Surveyor's Signatures

Blackett + Arnold Benn

Lloyd's Register Foundation