

Lloyd's Register
Foundation

PILLARS AND DECKS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS , No. of Rows.....			Stringer Plate, breadth and thickness in way of Bridge		
" in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells		
" " " " " "			Thickness of Plating abreast Deck openings in way of Bridge		
" in Holds " "			Thickness of Plating within line of openings...		
" " " " " "			If Sheathed, material and thickness		
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing. <i>LUKENS BUCKLE PANELS @ 10.2'</i>			Stringer Plate, breadth and thickness.....		
Plating, thickness of <i>TOP & BOTTOM PLAIN STRAKES 53" x 54" 27" x 38"</i>			If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells <i>59" x 70"</i>			If Plated, state thickness		
" " " " in way of Bridge			Poop Deck.		
" Angle in Wells	<i>NONE</i>		Stringer Plate, breadth and thickness	<i>60" x 70" x 36</i>	
Thickness of Plating abreast Deck openings in way of Wells	<i>.66</i>		Plating, Sheathing, material and thickness	<i>56" x 34"</i>	
Thickness of Plating abreast Deck openings in way of Bridge			TRUNK		
Thickness of Plating within line of openings...			Bridge Deck.		
If Sheathed, material and thickness			Stringer Plate, breadth and thickness.....	<i>74 1/2" x 88"</i>	<i>77" x 88"</i>
Second Deck.			Plating, Sheathing, material and thickness	<i>88" x 54"</i>	
Stringer Plate, breadth and thickness in Wells...	<i>NONE</i>		Forecastle Deck.		
			Stringer Plate, breadth and thickness.....	<i>36</i>	
			Plating, Sheathing, material and thickness	<i>34</i>	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	<i>60</i>	<i>.88</i>	<i>.72</i>	<i>.72</i>									
" DBLG. (if any)	<i>✓</i>												
BOTTOM PLATING , No. of Strakes <i>2 @ 84</i>	<i>84</i>	<i>.64</i>	<i>.58</i>	<i>.52</i>	<i>70 IN WAY OF LONG A. IR.</i>								
BILGE PLATING , No. of Strakes <i>2 @ 84</i>	<i>84</i>	<i>.62</i>	<i>.52</i>	<i>.50</i>									
SIDE PLATING , No. of Strakes <i>2 @ 83</i>	<i>83</i>	<i>.60</i>	<i>.46</i>	<i>.46</i>									
UPPER DECK , Sheer-strake in Wells.....	<i>66</i>	<i>.72</i>	<i>.54</i>	<i>.54</i>									
UPPER DECK , Sheer-strake in Bridge ...	<i>✓</i>												
STRAKE BELOW SHEER -strake in Wells.....	<i>69</i>	<i>.68</i>	<i>.52</i>	<i>.50</i>									
STRAKE BELOW SHEER -strake in Bridge ...	<i>✓</i>												
POOP SIDE PLATING	<i>96</i>		<i>.50</i>	<i>.40</i>									
BRIDGE SIDE PLATING ...	<i>✓</i>												
FORECASTLE SIDE PLATING			<i>.42</i>										

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	<i>12</i>
" Deck next below	<i>✓</i>
As per Rule	<i>7</i>

FORGINGS and CASTINGS.

	Casting or Forging.	Scandlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	<i>Plate</i>			
STEM	<i>Rolled bar 10x3</i>		<i>T.C. & R.R. Co.</i>	
STERN FRAME { Propeller Post	<i>Turn screw</i>		<i>Birdsboro Steel</i>	
{ Rudder	<i>Casting as per plan</i>		<i>Foundry & Machine Co</i>	
Speed of Vessel	<i>11 knots</i>			
RUDDER—Type	<i>Streamlined</i>			
" A x D	<i>750</i>			
" Diam. of head	<i>13 1/2"</i>			
" Mainpiece at top pintle	<i>As per</i>			
" " heel	<i>appd. plan</i>			
" how constructed	<i>Combination - Cast steel mainpiece welded arms</i>			
" double or single plate	<i>Double</i>			
" coupling, vertical or horizontal	<i>Vertical</i>			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD , Upper tween decks		<i>Top & bottom strakes plain</i>			
" " Second	<i>36</i>	<i>others Lukens Panels</i>			
" " Third	<i>to</i>	<i>(Lukens Union melt Bulkheads)</i>			
" " Holds	<i>.56</i>				
COLLISION	<i>36-54</i>	<i>6 x 4 x 3/8</i>	<i>27"</i>		
AFTER PEAK	<i>34-48</i>	<i>9 x 4 x 1/2</i>	<i>30"</i>		
		<i>6 x 4 x 3/8</i>	<i>24"</i>		
		<i>6 x 3/8 flats</i>	<i>30"</i>		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	<i>Bethlehem Steel Co, Phoenix Iron Co, Tenn Coal, Iron & L.R. Co, Carnegie Illinois & Lukens Steel Co</i>
	Has the Steel been tested as required by the Rules? <i>YES</i>

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.				
		In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Spang.	Inches.	Number.	Diameter.	Inches.
Framing of L , E or E													
Frames in Bridge ^{TRUNK} between Decks ...		5	3	3/8	5	3	3/8						
Frames from Uppermost Continuous Deck No. 1		6	3 1/2	3/8	6	3 1/2	3/8						
L " 2		7	4	3/8	7	4	3/8						
L " 3		7	4	7/16	7	4	7/16						
L " 4		8	4	7/16	5	4	7/16						
YORDER MILL SECTIONS (PL. PLATE) " 5		9	4	.44	8	4	7/16						
" 6		10	4	.44	8	4	7/16						
" 7		12	4	.42	8	4	7/16						
" 8		13	4	.42	9	4	.44						
" 9		14	4	.42	9	4	.44						
" 10		14	4	.42	9	4	.44						
" 11		14	5	.42	10	4	.44						
" 12		15	5	.42	10	4	.44						
" 13		10	5	.42	11	4	.44						
" 14		17	5	.44	12	4	.44						
" 15													
" 16													
Spacing of Longitudinal Frames		Amidships 1-18 29 1/2 32 3/8			At Ends 1-18 29 1/2 max 18-23 32 3/8 max								
Double Bottoms L, E or C		Tank Top Longitudinals			Bottom								
Spacing of Longitudinals		Amidships			At Ends								
Transverses.		12 x .40			3" fl.								
Side (in two Decks)		59 x .50			8" fl.								
Side (in Hold)		56 x .46			8" fl.								
Bottom		82 x 6'0 x .48			6 1/2 5" fl.								
Spacing of Transverse Frames		10-2 1/2 max			10-2 1/2 max								
Longitudinal Beams of L, E or E		Trunk Bridge Deck			Upper			Clear of oil		32 3/8		16 x 40 5" fl.	
		Prop Second			File Third			5/16 clear of oil		32 3/8		22 x 40 5" fl.	
										32 3/8		18 x 40 5" fl.	
										32 3/8		15 x 40 4" fl.	

The particulars of framing in peaks (if ordinary), Floors, Centre Girders, 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.

EQUIPMENT No 40093												LETTER A +		ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.		Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Owts.					
13760	1st Bower ...	69	2	13	Retested anchors			54	1	1	24	✓	68	✓	Allison Stockless	Allison Steel Co.	Baldt Anchor Chain & Forge Corp. Chester P.A. 14 Apr 1941 Joseph F. Murray
13759	2nd " ...	69	2	13				54	1	1	24	✓	68	✓	Do.	Do	
13761	3rd " ...	61	0	18				49	3	0	0	✓	58 1/2	✓	Baldt Stockless	Baldt Anchor Chain & Forge Corp.	
	Collective weight.	200	1	16									194 1/2	✓			
13762	Stream	23	3	0				24	6	0	0	✓	194 1/2	✓	National Stockless	Nat. Steel Co.	

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire.	Length and size per Table 53.		
	Length.	Diam.	Statutory.	Breaking.	Supplied.	Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.	
8574	270	2	102 1/2	143 3/4	576	2	0	270	2 1/2	D.Lok	Baldt Anchor Chain & Forge Corp. Chester	Chester P.A. 8th May 1941 J.V.C. Malcolmson (Surveyor to Lloyd's Register of Shipping)	TOWLINE	120	4 3/4	70.6	120	4 3/4	
													HAWSEERS & WARPS	2@90	8"	manila	2@90	8"	
														2@90	7"	manila	2@90	7"	
	90	5						90	5										

Steering Gear, Type (Power or hand) HYDRO-ELECTRIC (COMBINED POWER & HAND) Alternative Means of Steering HAND (HYDRAULIC) GEAR

Steering Chains (Size and Test) TELE MOTOR Windlass ELECTRIC MOTOR DRIVEN Boats 2@24 steel 43 person.

Ceiling in Holds, thickness and material ✓ Cargo Battens, thickness, material and spacing ✓

Cargo Hatchways.—(Upper Deck) 3/8" plate, Butt welded Thickness of Hatches 3/8" dished steel plate.

Size of Hatchways No. 1 (Fwd.) All 30" diam. No. 2 No. 3 No. 4 No. 5 No. 6 No. 6

Number of Shifting Beams and/or Fore and Afters ✓

Builder's Signature Alabanya Dry Dock & Shipbuilding Co. G.D. Szepinski Naval Architect

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel ✓

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo ✓ The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation). Diesel oil, flash point about 150°F is carried in tanks between machinery space and after peak.

This vessel has been built in accordance with the approved plans, the Secretary's letters and in other respects in conformity with the Society's Rules for the class contemplated. The materials and workmanship are good.

The peak, deep, double bottom & cargo tanks have been satisfactorily watertightened. The weather decks and casings have been hose tested with satisfactory results.

The steering gears and windlass have been tested and found satisfactory.

The vessel has been placed on drydock, the bottom and middee cleaned, examined, found in good condition and painted.

The amount of Entry Fee £ 5 : 50 : 00 Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee.... £ 5 : 25 : 00 Nov. 29 1941

Travelling Expenses, if any £ 5 : 40 : 00 Received by me, 19

I am of opinion the Vessel should be Classed + 100 A1

Signature J. Rannie Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey yes

Certificate to be sent to New York Date of issue 19/3/42

Committee's Minute NEW YORK DEC 19 1941

Character assigned +100A1

Carrying Petroleum in bulk.

N.E. 1929 REFITTED 1941.

LMC-7, 41.

NOTE—LONG FRAMING, ELEC. WELDED LLOYD'S A & C P EQUIPT. LTR. AT OIL ENG. ELEC. LIGHT-CL.

Lloyd's Register Foundation

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

The longitudinal & transverse bulkheads in the Cargo tanks were pre-fabricated — Lukensweld Unionmelted Bulkheads — please see Philadelphia Rpt 10
3rd Sept 1940

The approved plans as per attached list are forwarded herewith

Three forging & casting reports are forwarded herewith.

midship Section & Profile (as built) are forwarded herewith

This vessel is a sister to "Petrofuel" same builder Hull 220

PARTICULARS OF ELECTRIC WELDING (if employed)

Vessel electrically welded throughout with approved Lincoln Electric Electroweld electrodes, except the Lukensweld Unionmelted bulkheads which are welded by the Unionmelted Welding Process.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Longitudinal Framing

Carrying Petroleum in Bulk
Electrically welded

Particulars of Drop Test of Cast Steel Anchors, viz.:—
Weight, Surveyor's Initials,
Number of Certificate, Date
of Test.

1st Bower

7800 L.R.

B.C. 13760

14.4.41

5100 J.F.M. 122640

2nd "

7800 L.R.

B.C. 13759

14.4.41

5100 J.F.M. 122640

3rd "

6850 L.R.

B.C. 13761

14.4.41

4500 J.F.M. 110096

Stream

2660 L.R.

B.C. 13762

14.4.41

1625 J.F.M. 54432

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 164.92' ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 39.4 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. 240865

Signal Letters

WIGN

Extreme Breadth over Belting

Over-all Length

432-9"

No. and Material of Decks

ONE DECK STEEL

Parts of Bottom of Vessel coated with cement or approved composition

APT PEAK

F.W. TANK

& FORE PEAK

CEMENT

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,	29.9	710 ✓
Double bottom, under Engines and Boilers,	✓		After peak tank,	17.5	200 ✓
Double bottom, if under Engines only, FOR F.W.	42.5	79	Deep tank, aft,	18.7	
Double bottom, if under Boilers only,	✓		Deep tank, forward,		
Double bottom, forward,	✓		Other tanks, if fitted,		
Total length (if contiguous) and Capacity	42.5		(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 301

Date

14 June 1940

Dates of Surveys held while building

1940 Aug 27 Sept 12, 24 Oct 5, 10 Nov 4, 27 Dec 2 1941 Jan 2, 20, 22 Feb 7, 17
Mar. 6, 17 20, 22 25, 26, 27, 28 Apr. 1, 3, 4, 9, 14, 16, 17, 21, 25, 26, 29
30 May 1, 9, 13, 19, 21, 23, 27, 28 June 2, 4, 6, 7, 18, 30 July 11
21, 22, 24, 26, 27, 28.

Total No. of Visits

54