

STEEL STEAMER & MOTORSHIP.

14 AUG 1941

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel YESDate of completion of report 12.8.41Port of MIDDLESBROUGHNo. 17081 +2Survey held at HAVERTON HILL ON TREES Date First Survey 15th November 1939 Last Survey 22nd July 1941On the (State if Machinery fitted Aft and if Single, Double) MACHINERY AFT SINGLE SCREW "EMPIRE SAPPHIRE" STEAM TANKERState Type (Full Scantling, Complete Scantling) FULL SCANTLING State Type of Erections POOP BRIDGE & ROLLTONNAGE under Tonnage Deck... 7197.47 CLASS 100 A.I. State if with freeboard YES Built at HAVERTON HILL ON TREESDo. of space or spaces between Tonnage Dk. and Upper Dk. 7197.47 Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 460' 0" Launched MAY 27th 1941 Yard No. 329Total 7197.47 Breadth (greatest moulded) 61' 0" Builders FURNESS S.B. CO. L^{td}Gross Tonnage 8031.23 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) 33' 3" Owners MINISTRY OF SHIPPINGRegister Tonnage 4693.27 1st Longitudinal Number (L x D) 15295 Managers BRITISH TANKER CO. L^{td} (Where necessary to be entered in Reg. Book.)REGISTERED DIMENSIONS. FEET. Framing Depth "d," at middle of length. See Sec. 3 (1d) 13.83 ResidenceLength 463.5 Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.83 Port of Registry MIDDLESBROUGHBreadth 61.2 Do. Long Bridge to top of keel 27' 1 1/2" If surveyed while building, afloat, or in dry dockDepth 33.05 Draught Moulded 27' 1 1/2" SURVEYED WHILE BUILDING & AFLOAT.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	31' ✓		Bracket Floors, Frame	7' 8" 3 1/2' 7/16" ✓	
" " from 3/4 length amidships to Collision bulkhead	31' 26" ✓		" " Reversed Frame	7' 8" 3 1/2' 45" ✓	
" " in peaks			" " Vertical Struts PLATES	2' 11" 52" ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	33' 3 1/2' 50" 54" ✓	
Frame Amidships, Angle, E or F	10' 3 1/2' 40" ✓		" " top Angles	33' 3 1/2' 7/16" ✓	
" " Extends up to	UPPER DECK.		" " bottom Angles	6' 6" 50" ✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	2' 11" 52" ✓	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	10' ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	10' 3 1/2' 50" 7' ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, E or F	6' 3 1/2' 38" 7' ✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" " Third " " " "	INTERMEDIATE NOT ATTACHED ✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " from 1/4 len. for'd. to 15% len. from Stem	12' 3 1/2' 45" 40 DEEP TANK ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	10' 10" 55" 8.5" ✓	
" " in Peaks, Angle or F	8' 3 1/2' 7/16" 7' ✓		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" 47/8" ✓		Breadth and thickness of Middle Line Strake	ER 30" 52" ✓	
State if Frame Joggled	YES ✓		Thickness of remainder in Hold	ER 54" 58" ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES ✓		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	YES ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES ✓		BEAMS, IN WAY OF MACHINERY SPACE.		
SINGLE BOTTOM. AT FORE END.			Uppermost Continuous Deck, amidships	8' 3 1/2' 7/16" ✓	
Floors, Depth and thickness at mid-line in Holds	4' 0" 38" ✓		" " in Way, Angle, E or F	EVERY FRAME ✓	
Height of Brackets at side above base line at toe of frame	7' 0" 40" 3FL ✓		" " in way of Bridge, Angle, E or F	LONGITUDINAL BEAMS IN WAY OF OIL TANKS. ✓	
Middle Line Keelson, on Floors, Angles, in Cargo Tanks. E or F	40' 3' 42" ✓		Spacing	(SEE SEPARATE SHEET) ✓	
" " Through Plate on Intercoastal Plate	33' 3 1/2' 7/16" ✓		Second Deck, amidships, Angle, E or F	8' 3 1/2' 7/16" ✓	
" " Foundation Plate on Floors	4' 4' 50" ✓		Spacing	EVERY ✓	
" " Flat Plate Keel Angles	5' 4' 50" ✓		Third Deck, amidships, Angle, E or F	✓	
Side Keelsons, No. each side			Spacing	✓	
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, E or F	✓	
" " Angles			Spacing	✓	
DOUBLE BOTTOM. IN MACHINERY SPACE.			Poop Deck, Angle, E or F	8' 3 1/2' 7/16" ✓	
Solid Floors, thickness and spacing	1/2" 42" 30 3 1/2' 30" ✓		Spacing	EVERY ✓	
" " Are Frame and Reversed Frame joggled?	RE. IN BOILER SPACE. ONLY JOGGLED ✓		Bridge Deck, Angle, E or F	LONGITUDINAL (SEE SEPARATE SHEET) ✓	
Bracket Floors, breadth and thickness at middle line	2' 11" 52" ✓		Spacing		
" " breadth and thickness at margin plate	AS APPROVED ✓		Forecastle Deck, Angle, E or F	8' 3 1/2' 35" ✓	
			" " IN WAY OF WINDLASS	9' 3 1/2' 3/8" ✓	
			Spacing	EVERY ✓	

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...		
O.T. CENTRAL LINE BULKHEAD IN DEEP TANK FORWARD.					
PLATING 44" 40" STIFFEN. 10" 3 1/2" 50" SPACED 26" 31"					
WEB FRAME ON 165" 28" 40" D. FACE BARS 8" 3 1/2" 35"					
Centre Line Bulkhead. PORT AND STARBOARD SIDES.					
Stiffeners and Spacing.....	10 3 1/2 42	✓	Third Deck.		
Plating, thickness of	31" SPACING	✓	Stringer Plate, breadth and thickness.....		
	51" 40"	✓	If Plated, state thickness.....		
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells	90 78	✓	Fourth Deck.		
„ „ „ „ in way of Bridge	92 AT BREAK OF POOP BRIDGE	✓	Stringer Plate, breadth and thickness.....		
„ „ „ „ „	78	✓	If Plated, state thickness		
„ Angle in Wells	6' 6" 5/8	✓	Poop Deck.		
Thickness of Plating abreast Deck openings in way of Wells	72" 60"	✓	Stringer Plate, breadth and thickness	37	✓
Thickness of Plating abreast Deck openings in way of Bridge			Plating, Sheathing, material and thickness ...	30	✓
Thickness of Plating within line of openings...			Bridge Deck.		
If Sheathed, material and thickness			Stringer Plate, breadth and thickness.....	80 1/2 37	✓
			Plating, Sheathing, material and thickness ...	34	✓
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...			Stringer Plate, breadth and thickness.....	37	✓
			Plating, Sheathing, material and thickness ...	36	✓
			UNDER WINDLASS.	50	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or. to cr.		Diam.	Spacing or. to cr.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	53"	97"	80"	82"		DOUBLE.	1	4	QUINTUPLE FOR 1/2 LIN QUAD ATTENDS.	1"	4"	LAPPED
„ DBLG. (if any)	THREE STRAKES NEXT KEEL INCREASED FROM 1/2 LIN FWD TO COLLISION BULK FROM 77" 81" IN WAY OF 31" F SPACING.											
BOTTOM PLATING, No. of Strakes		70	50	66		"	7/8	3 1/2	4	7/8	3 1/2	LAPPED.
BILGE PLATING, No. of Strakes		64	50	66		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes		63	50	48		"	"	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells.....		63	46	46		"	"	"	"	"	"	"
UPPER DECK, Sheer-strake in Bridge ...		63	46	46		"	"	"	"	"	"	"
STRAKE BELOW Sheer-strake in Wells.....		72 1/2	94	46		"	1	3 7/8	5-4	7/8	4 1/2	"
STRAKE BELOW Sheer-strake in Bridge ...		72 1/2	1 1/2			"	1	3 7/8	5	1 1/8	5 1/6	"
POOP SIDE PLATING		72	78	46		"	1	3 7/8	4-3	7/8	3 1/2	"
BRIDGE SIDE PLATING ...				40		SINGLE.			2	3/4	2 5/8	"
FORECASTLE SIDE PLATING		44				SINGLE.			2	3/4	2 5/8	"
			43			SINGLE.	3/4	3	1	3/4	2 5/8	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	16 BH: R BK
Extending to Upper Deck (Sec. 3 c)	150 LIGHT 2 WATER TIGHT } TO UPPER DECK.
„ Deck next below	ALL EXTENDED TO UPPER DECK.
As per Rule	

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD, Upper tween decks	54	10" 3 1/2" 40 1/2	36	12" 3 1/2" 45 1/2	24
„ „ Second „	41	10" 3 1/2" 40 1/2	36	12" 3 1/2" 45 1/2	24
„ „ Third „	54	10" 3 1/2" 40 1/2	36	12" 3 1/2" 45 1/2	24
„ „ Holds	48	10" 3 1/2" 40 1/2	36	12" 3 1/2" 45 1/2	24
COLLISION „ (in Hold)	52-26	12" 3 1/2" 45 1/2	24	12" 3 1/2" 45 1/2	24
AFTER PEAK „ „	50-30	9" 3 1/2" 36	24	9" 3 1/2" 36	24

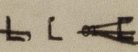
FORGINGS and CASTINGS.

	Castings or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	FLAT PLATE			see upper vessels
STEM	CAST STEEL STEM EXTENSION & STEM PLATES	60"		
STERN FRAME {	Propeller Post	PLATE 1 1/2" THICK CAST STEEL TOP & BOSS.		
	Rudder	BUILT PLATING		
Speed of Vessel	12 KNOTS			
RUDDER—Type	DOUBLE PLATE STREAMLINED.			
„ A x D	60 1/4			
„ Diam. of head	14"			
„ Mainpiece at top pintle	CAST STEEL			
„ „ heel ...	PINTLES & COUPLING.			
„ how constructed				
„ double or single plate	52			
„ coupling, vertical or horizontal	6 BOLTS			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) **OPEN HEARTH PROCESS**
Plates South Durham S.S.C.L.
Sections, Cops Flat Iron C.L. Dorman Long & Co.
 Has the Steel been tested as required by the Rules? **YES**

PARTICULARS OF LONGITUDINAL FRAMING.

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. Ins.	Speng. Ins.		Number.	Diameter. Inches.
Framing of 												
Frames in Bridge 'tween Decks ...		7"	3"	3/8"					3/4"	4 1/2"		7	7/8"
Frames from Uppermost Continuous Deck No. 1		30' APART. ✓											
" 2													
" 3													
" 4													
" 5													
" 6													
" 7													
" 8													
" 9													
" 10													
" 11		12	3 1/2	50 7/8	12	3 1/2	50 7/8	✓	7/8"	5 1/2"			
" 12		17x58x4x4x68			17x58x4x4x68			✓	10 RIVETS.				
" 13													
" 14													
" 15													
" 16													
Spacing of Longitudinal Frames		Amidships 3'0"			At Ends 3'0"								
Double Bottoms													
L, E or C													
Spacing of Longitudinals													
Amidships													
At Ends...													
Transverses.													
Side (in 'tween Decks)													
Depth and Thickness		5"	3"	38"					7/8"	3 1/2"			
Face Angles		3"	3"	38"									
Lugs to Shell*		3 1/2"	3 1/2"	38"									
Side (in Hold)													
Depth and Thickness		TRANSVERSE FRAMING											
Face Angles													
Lugs to Shell*		37"	44"	50 1/2"									
Bottom													
Depth and Thickness		40 1/2"	44"	CR									
Face Angles		6"	3 1/2"	56"					7/8"	3 1/2"			
Lugs to Shell*		6"	6"	50"					1" RIVETS THROUGH KEEL PLATE.				
Back Bars		3 1/2"	3 1/2"	7/16"					SPACED AS APPROVED. ✓				
Brackets													
Spacing of Transverse Frames		10' 4"											
* State if joggled or liners.													
Longitudinal Beams of L, E or C													
Bridge Deck		5"	3"	3/8"					3'0"				
Upper		9"	3 1/2"	7/16"					3'0"				
Second													
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.

EQUIPMENT No 44835

LETTER 27

ANCHORS. 2.8.15.

Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.	WEIGHT OF STOCK.	TEST, PER CERTIFICATE.	WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
40418	1st Bower	Cwts. qrs. lbs. 74 0 0	Cwts. qrs. lbs. 55 15 0	Tons. cwt. qrs. lbs. 73-1-0	73-1-0	STOCKLESS.	✓	SUNDERLAND 21.12.40 WUN.
40374	2nd "	33 1 14	✓	55 10 0	73-1-0	"		27.11.40 WUN.
	3rd "	147 1 14			146-2-0			
53779	Stream	22 1 0	5 3 2	22 11 1	22-0-0	COMMON STOCK.	✓	CAROLEY HEATH 31.12.40 S.C.P.

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.	Statu- Break- ing.	Supplied. Per Rule.	Length. Diam.					Length. Cir.	Tons.	Length. Cir.
112876											
112894	300 2 8	113.8/54.3	744.3.24	300 2 8	TAILO. S TAYLOR & SONS.		30.12.40. 87.4.1.22.	NETHARTON	TOWLINE...	130 5 1/2	77.5 130 5 1/2
116393									HAWSERS & WARPS	2 100 2 3/4	15.2 2 100 2 3/4
116396										2 100 2 3/4	15.2 2 100 2 3/4
Iron Stream Chain or Steel Wire	120 5	70.9		120 5	STEEL WIRE.						

Steering Gear, Type (Power or hand) *DUNKIN & CO. 10 COMBINED STEAM & HYDRAULIC.* Alternative Means of Steering *BLOCKS & TACKLES LED TO CAPSTAN ON POOP.*Steering Chains (Size and Test) *NONE FITTED.* Windlass *EMERSON WALKER STEAM, DIRECT* Boats *4 LIFEBOATS 24'-0" x 7'-6" x 3'-0"*Ceiling in Holds, thickness and material *✓* Cargo Battens, thickness, material and spacing *NONE FITTED.*Cargo Hatchways. (Upper Deck) *DIAMANT 30" x 40" CORRUGATED* Thickness of Hatches *W.T. COVERS. 60". FORE HATCH. 50"*Size of Hatchways No. 1 (Fwd.) *7'-5" x 7'-0"* No. 2 *DIAMANT HATCHES TO LANTERN TANKS. 9' OFF STARBOARD SIDE. 4'-6" x 3'-0"* No. 3 *DIAMANT HATCHES TO WING TANKS. 9' OFF STARBOARD SIDE. 4'-6" x 3'-0"* No. 4 *DIAMANT HATCHES TO WING TANKS. 9' OFF STARBOARD SIDE. 4'-6" x 3'-0"* No. 5 *DIAMANT HATCHES TO WING TANKS. 9' OFF STARBOARD SIDE. 4'-6" x 3'-0"* No. 6 *DIAMANT HATCHES TO WING TANKS. 9' OFF STARBOARD SIDE. 4'-6" x 3'-0"*Number of Shifting Beams and/or Fore and Afters *1 OFF*

Builder's Signature

FURNESS SHIPBUILDING CO LTD

DIRECTOR

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 *Yes*(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). *Fitted for oil fuel tank port above 150° Double bottom in boiler space and side bunkers.*

This vessel has been built in accordance with the approved plans, the Surveyor's letters and in general conformity with the Society's Rules and regulations for the class contemplated.

The main oil cargo tanks, Cofferdams, Oil Fuel bunkers, Double bottom tanks in Engine & Boiler space, Forward deep ballast tanks, Fore & After peak tanks & Fresh water tanks have been tested to Rule requirements with satisfactory results.

The upper part of the fore peak bulkhead & weather decks, clear of oil tanks have been tested with water from a hose and found tight.

The steering gear, hand steering gear, Windlass, & winches have been tested under working conditions and found satisfactory.

The workmanship and materials are good.

The foreboard has been marked on the vessel's sides cut in & verified.

The amount of Entry Fee £ 11 : 0 : 0 Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee.... £ 601-4-0 Received by me, 13.8.1941

Travelling Expenses, if any £ 19.0-0-0

I am of opinion the Vessel should be Classed *100, A.1. CARRYING PETROLEUM IN BULK, WITH NOTATION LONGITUDINAL FARMING AT BOTTOM & AT DECK, FITTED FOR OIL FUEL F.P. ABOVE 150°F.*State whether the Vessel has been built under Special Survey *✓* Signature *J. Nell* Surveyor to Lloyd's Register of Shipping.Certificate to be sent to *14100LASBROUGH* Date of issue *10/9/41*Committee's Minute *TUE. 19 AUG 1941*Character assigned *+100A*

Carrying petroleum in bulk

Lloyd's arch. ok. E.S.D.

note for S.R.L.

Write up

Fitted for oil fuel 741 H. above 150°F

32, CL.

0083 3/3

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.)
Sister Vessels built by Furness S.B. & L. N°325 "EMPIRE GOLD." N°326 "EMPIRE GRANITE" N°327 "EMPIRE OIL" N°328 "EMPIRE MICA"

PARTICULARS OF CABLES.

CART. NO	LENGTH & SIZE SUPPLIED		TEST FOR CERTIFICATE		WEIGHT SUPPLIED	DESCRIPTION	MAKERS.	WHERE WHEN
	LENGTH	SIZE	STATUTORY MARKING					TESTED SUPER.
112876.	15.	2 1/8"	113-16.0-0	159-6.0-0.	37-0-9.	STUB LINK TAYCO.	S. TAYLOR & SONS	NETHERTON 30.12.40 J.R.
112877	15	2 1/8"	"	"	37-0-24.	"	"	"
112878	"	"	"	"	37-0-5	"	"	"
112879	"	"	"	"	37-0-9	"	"	"
112880	"	"	"	"	37-0-0	"	"	"
112881	"	"	"	"	37-3-12	"	"	"
112882.	"	"	"	"	36-3-23	"	"	"
112883	"	"	"	"	37-0-23	"	"	"
112884.	"	"	"	"	37-1-0	"	"	"
112885	"	"	"	"	37-1-16	"	"	"
112886	"	"	"	"	37-0-13	"	"	"
112887	"	"	"	"	37-0-13	"	"	"
112888	"	"	"	"	37-1-5	"	"	"
112889.	"	"	"	"	37-0-13	"	"	"
112890	"	"	"	"	37-2-3	"	"	"
112891	"	"	"	"	38-0-25	"	"	"
116393	"	"	"	"	36-3-17	"	"	8-7-41. J.R.
116394	"	"	"	"	37-1-0	"	"	"
116395	"	"	"	"	37-2-0	"	"	"
116396	"	"	"	"	36-3-10	"	"	"
300		TOTAL.		744-3-24				

PARTICULARS OF ELECTRIC WELDING (if employed) *Rudder, stern frame (part) Quasi arc electrodes*

Plans

Midship Section & Profile & decks as built now sent.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book ☒ 100 A.I. Carrying petroleum in bulk, longitudinal framing at bottom and at deck, cruiser stern, machinery aft. echo sounding, Direction finding apparatus.

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

1st Bower *43-3-18 A.E.G. N° 3202 23-8-40.*
2nd " *43-3-17 J.T. N° 3450 25-9-40.*
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *105.33* ft., R.Q.D. ☒ ft., Bridge *43.16* ft., Forecastle *38.2* ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. *164847.* Signal Letters Extreme Breadth over Belting ☒ Over-all Length *479.0 1/2* (Circ. 1811) (Circ. 1708)

No. and Material of Decks *1 Dth (SH) 2nd Dth (SH) CLEAR OF CARGO TANKS.*

Parts of Bottom of Vessel coated with cement or approved composition *AS BELOW.*

Particulars of composition (if fitted) and of approval *Fore & aft peak tanks, Fore tanks, Cofferdams in E.R. Cement in bottom, cement washed. Pump room coated with graphite below flooring, Paint alone, remainder of tanks including Cargo tanks left bare.*

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,	<i>23.5"</i>	<i>140</i> ✓
Double bottom, under Engines and Boilers,			After peak tank,	<i>16.0"</i>	<i>78</i> ✓
Double bottom, if under Engines only,	<i>38.3"</i>	<i>95</i> ✓	Deep tank, aft,		
Double bottom, if under Boilers only,	<i>43.11 1/2"</i>	<i>279</i> ✓	Deep tank, forward,	<i>32.0"</i>	<i>664</i> ✓
Double bottom, forward,	<i>2-6 3/4"</i>		Other tanks, if fitted,		
Total length (if continuous) and Capacity	<i>82.25</i>	<i>374</i> ✓	(If necessary, furnish further information by sketch.)		
	<i>547</i>	<i>85.0"</i>			

Order for Special Survey No. *1528.*

Date *1.11.39.*

Dates of Surveys held while building

1939. *Nov. 15. Dec. 6. 25. 26. 29. Feb. 14. March 5. 6. May 21. Aug. 7. 19. 22. 29. Sept. 12. 13. 23. 24. 26. 30. Oct. 1. 2. 10. 14. 16.*
1940. *Jan. 21. 22. Nov. 7. 12. 13. 15. 26. 28. Dec. 11. 12. 16. 24. Jan. 3. 8. 13. 14. 23. 29. 31. Feb. 27. March 13. 18. 21. 31. April 4. 7. 9. 10.*
1941. *11. 16. 17. 18. 21. 22. 23. 25. 26. 28. 30. May 1. 2. 5. 7. 8. 12. 19. 20. 21. June 16. 23. 24. 25. July 4. 15. 17. 22.*

Total No. of Visits *81.*