

STEEL STEAMER or MOTORSHIP.

WRECK 161
Section 4
Received at London OfficeBox 421
WRECKS
FEB 15 1939State if Report has been sent on the Freeboard of the Vessel YESState if Report is sent on the Machinery of the Vessel NODate of completion of report 7th February 1939 Port of MIDDLESBROUGH No. 16536Survey held at HAVERTON HILL-ON-TEES Date First Survey November 1st 1937 Last Survey Jan 15th 1939On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) SINGLE SCREW MOTOR TANKER BRITISH LIBERTY MACH. FITTED AFT CRUISER STERNState Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) FULL SCANTLING State Type of Erections POOP, BRIDGE & FUNNEL

TONNAGE under Tonnage Deck...

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total

Gross Tonnage

Register Tonnage

REGISTERED DIMENSIONS.
FEET.

Length

Breadth

Depth

CLASS +100 A.I. CROOKING State if with freeboard (as condition of Class) NOPETROLEUM IN BULK
LONGITUDINAL FRAMING AT BOTTOM & AT DECK
Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 464' 2"
LEN. OVERALL 481' 6"Breadth (greatest moulded) B 61' 9"Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 34' 0 1/2"1st Longitudinal Number (L x D) = 158012nd Numeral L x (B + D) = 44466Framing Depth "d," at middle of length. See Sec. 3 (1d) 34' 0 1/4"Proportions—Depth to Length—Uppermost continuous deck to top of keel 13' 6 3/4"

Do. Long Bridge to top of keel

Draught Moulded 27' 5 3/4"Built at HAVERTON HILL-ON-TEESLaunched 17th January 1939 Yard No. 287Builders FURNESS S.B.C. & L^{td}Owners BRITISH TANKER C^o L^{td}

Managers

(Where necessary to be entered in Reg. Book.)

Residence LONDONPort of Registry LONDON

If surveyed while building, afloat, or in dry dock

WHILE BUILDING

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 <u>FRS. 157 to 160</u>	<u>31 1/4"</u>		Bracket Floors, Frame	<u>✓</u>	
" " from <u>3</u> length to Collision bulkhead	<u>24"</u>		" " Reversed Frame	<u>✓</u>	
" " in peaks	<u>24"</u>		" " Vertical Struts	<u>✓</u>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<u>63" x 54" to 48"</u>	
Frame Amidships, Angle <u>E or C</u>	<u>10" x 3 1/2" x 4 BR</u>	<u>✓</u>	" " top Angles <u>DOUBLE</u>	<u>3 1/2" x 3 1/2" x 48" to 44"</u>	
" " Extends up to	<u>UPPER DECK</u>	<u>✓</u>	" " bottom Angles <u>DOUBLE</u>	<u>5" x 5" x 54" to 5"</u>	
Reversed Frame Amidships, Angle	<u>✓</u>		Side Girders, No. each side and thickness	<u>3 .62 .62 x .42</u>	
" " Extends up to	<u>✓</u>		Margin Plate depth (excl. of flange) and thickness	<u>TANK TOP STRAIGHT ACROSS ANGLE TO SNELL 6" x 6" x 54" to 6" x 3 1/2" x 54"</u>	
Depth of Framing Girder	<u>10"</u>		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<u>✓</u>	
Frames in Uppermost Continuous 'tween Decks, Angle <u>E or C</u>	<u>8" x 3 1/2" x 44 BR</u>	<u>✓</u>	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<u>✓</u>	
" " Second 'tween Decks, Angle <u>E or C</u>	<u>7" x 3" x 38 BR</u>	<u>✓</u>	" " Gussets, spacing and scantling abaft 1/2 len. from stem	<u>✓</u>	
" " Third " " " "	<u>8" x 3 1/2" x 38 BR</u>	<u>✓</u>	" " Gussets, spacing and scantling forward 1/2 len. from stem	<u>✓</u>	
" " " " " "	<u>8" x 3 1/2" x 46 BR</u>	<u>✓</u>	Tank Side Brackets, height above base line at toe of Frame and thickness	<u>8' 4" to 8' 7" x 46 3" FLANGE</u>	
Framing in Peaks, Angle <u>E or C</u>	<u>8" x 3 1/2" x 46 BR</u>	<u>✓</u>	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>1 5/8" 7/8 .45</u>	<u>✓</u>	Breadth and thickness of Middle Line Strake	<u>60" x 7</u>	
State if Frame Joggled	<u>FRAMES JOGGED</u>		Thickness of remainder in Holds	<u>52 1/25</u>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<u>4 PANTING STRINGS WITH 3/8" BARS ON ALT. FRG. DEEP FLOORS & INTERSTALS AS APP.</u>	<u>✓</u>	Are these arrangements complied with regarding increases of scantlings in way of bottom in E. & B. space and framing in Bunkers and Boiler Room?	<u>UNDER ENGINE YES</u>	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<u>BOTTOM SNELL PLATING INCREASED TO 76 .73 .72 FORWARD OF 1/2 LEN.</u>	<u>✓</u>	BEAMS.		
SINGLE BOTTOM. FOR ^o (157 to 175)			Uppermost Continuous Deck, amidships in Wells, Angle <u>E or C</u>	<u>THRO BEAMS 10" x 3 1/2" x 44 BR. TO 8" x 3" x 35 BR. HALF BEAMS 8" x 3 1/2" x 37 BR. EVERY FRAME.</u>	
Floors, Depth and thickness at mid-line in Holds	<u>3' 6" x 42</u>		" " in way of Bridge, Angle <u>E or C</u>	<u>✓</u>	
Height of Brackets at side above base line at toe of frame	<u>5' 9"</u>		Spacing	<u>✓</u>	
Middle Line Keelson, on Floors, Angles, <u>CENTRE DIVISION, BULK.</u> Through Plate or Intercoastal Plate	<u>44" to 34"</u>		Second Deck, amidships, Angle <u>E or C</u>	<u>9" x 3 1/2" x 45 BR.</u>	
" " " " " " STIFFENERS Foundation Plate on Floors	<u>11" x 3 1/2" x 56 BR.</u>		Spacing	<u>EVERY FRAME</u>	
" " " " " " Flat Plate Keel Angles	<u>27" APART 44" x 4" x 56 DOUBLE.</u>		Third Deck, amidships, Angle <u>E or C</u>	<u>✓</u>	
Side Keelsons, No. each side	<u>TWO</u>		Spacing	<u>✓</u>	
" " thickness of Intercoastal Plate	<u>42</u>		Fourth Deck, amidships, Angle <u>E or C</u>	<u>✓</u>	
" " Angles <u>ON TOP OF FLOORS 7" x 3 1/2" x 5 BR.</u>	<u>✓</u>		Spacing	<u>✓</u>	
DOUBLE BOTTOM. IN MACH. SPACE			Poop Deck, Angle <u>E or C</u>	<u>THRO BEAMS 9" x 3" x 42 BR. HALF " 9" x 3" x 37 BR.</u>	
Solid Floors, thickness and spacing	<u>62 30</u>		Spacing	<u>EVERY FRAME</u>	
" " Are Frame and Reversed Frame joggled?	<u>YES</u>		Bridge Deck, Angle <u>E or C</u>	<u>7" x 3" x 36 BR.</u>	
Bracket Floors, breadth and thickness at middle line	<u>✓</u>		Spacing	<u>EVERY FRAME</u>	
" " breadth and thickness at margin plate	<u>✓</u>		Forecastle Deck, Angle <u>E or C</u>	<u>9" x 3" x 42 BR. TO 8" x 3" x 35 BR.</u>	
			Spacing	<u>EVERY FRAME</u>	

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
PILLARS IN MACH. SPACE							
in 'tween Decks, Size and Spacing.....	15'4" x 4" 62" WITH 12" 5			Stringer Plate, breadth and thickness in way of Bridge	✓		
" " " " " "	STRAPS SPACED 3'6" APART. BOTTOM BRACKET 4' FLANGED 3' EXTENDING FROM FLS. 38 TO 36			Thickness of Plating abreast Deck openings in way of Wells.....	✓	44	
" " " " " "	PILLARS IN POOP TWEEN DECK. 3' x 3 1/2" DIA. SOLID BRIDGE TWEEN DECK. 2 1/2" DIA. FLS TWEEN DECK. 3' x 2 1/2" DIA. SPACED AS APPROVED.			Thickness of Plating abreast Deck openings in way of Bridge	✓	40	
in Holds " " " "				Thickness of Plating within line of openings.....	✓		
LONGITUDINAL " " " "				If Sheathed, material and thickness	✓		
Centre-Line Bulkhead, S. P.T.S.				Third Deck.			
Stiffeners and Spacing.....	10'3 1/2" x 42 B.A. 3 1/4" APART			Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of	51 TO 43 + 42			If Plated, state thickness.....			
STRINGERS AND DECKS.				Fourth Deck.			
Uppermost Continuous Deck.				Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	72 1/8" x 82			If Plated, state thickness	✓		
" " " " " in way of Bridge	72 1/8" x 98			Poop Deck.			
" " " " " Angle in Wells	8 x 8 = 7			Stringer Plate, breadth and thickness	✓	38	38
Thickness of Plating abreast Deck openings in way of Wells	7 1/8" x 58 AS APPROVED			Plating, Sheathing, material and thickness	✓	26	2 1/2" TEAK WHERE EXPOSED. 2 1/2" PITCH PINE IN ACCORDANCE WITH 4.
Thickness of Plating abreast Deck openings in way of Bridge				Bridge Deck.			
Thickness of Plating within line of openings...				Stringer Plate, breadth and thickness.....	✓	56	44
If Sheathed, material and thickness	✓			Plating, Sheathing, material and thickness	✓	3	2 1/2" TEAK WHERE EXPOSED
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	54" x 44			Stringer Plate, breadth and thickness.....	✓	36	MINIMUM x 38
WAY OF CASING				Plating, Sheathing, material and thickness ..	✓	3.	38 UNDER WHOLASS 5 x 2 1/2" TEAK.

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.				
	AMIDSHIPS.		FORWARD.	AFT.	EDGES. State if jogged? NO	BUTTS.			
	Breadth.	Thickness.	Thickness.	Thickness.		No. of Rows of Rivets.	Rivets.	Strapped or Lapped.	
	Inches.	Inches.	Inches.	Inches.					
FLAT PLATE KEEL	53	.99	.82	.82	DOUBLE	1" 4"	QUINTUPLE TO QUADRUPLE	1 1/8" 5" 4"	LAPPED
" DBLG. (if any)					DOUBLE	7/8" 3 1/2"	QUADRUPLE TO TREBLE	7/8" 3 1/2" 3 1/8"	LAPPED
BOTTOM PLATING, No. of Strakes	8 65	.65	.58	.54	"	"	"	"	"
BILGE PLATING, No. of Strakes	8 65	.65	.56	.54	"	"	"	"	"
SIDE PLATING, No. of Strakes	8 9 1/2	.66	.66	.54	"	"	"	"	"
UPPER DECK, Sheer-strake in Wells.....	8 6 1/2	.65	.56	.62	"	"	"	"	"
UPPER DECK, Sheer-strake in Bridge ...	8 5 1/2	.64	.53	.51	"	"	"	"	"
STRAKE BELOW Sheer-strake in Wells.....	8 8 1/2	.64	.53	.48	"	"	"	"	"
STRAKE BELOW Sheer-strake in Bridge ...	8 8 1/2	.64	.53	.5	"	"	"	"	"
POOP SIDE PLATING	8 63	1.08	.56	.55	"	1" 4" 1 1/8" 4 1/2"	SEXTUPLE TO TREBLE	1 1/8" 5" 4 1/8" 3 1/8"	
BRIDGE SIDE PLATING ...	8 81	.82	.53	.5	DOUBLE	1" 4"	QUADRUPLE TO TREBLE	1" 4"	"
FORECASTLE SIDE PLATING	8 4	.5 AT POOP FRONT			SINGLE	3/4" 3"	DOUBLE TO SINGLE	3/4" 2 5/8"	"
	8 44				DOUBLE	"	TREBLE + DOUBLE	"	"
	8 44	STERN P.T.S. 49			SINGLE	"	SINGLE	"	"

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel.....	14 OILTIGHT BULKHEADS & 2 WATER
Extending to Upper Deck (Sec. 3 c)	"
" Deck next below	ALL EXTENDING TO UPPER DECK.
As per Rule	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	KEEL PLATE			✓
STEM	ROLLED STEEL	10" x 2 1/4"		✓
STERN FRAME { Propeller Post	FORGING	11 1/8" x 8 3/4" WILTON		✓
{ Rudder	"	11" x 8 1/2" FORGE		✓
Speed of Vessel	11.5 KNOTS			
RUDDER—Type.....	OPEN	PATENT		
" A x D	799			
" Diam. of head	FORGING	13 1/4" WILTON		✓
" Mainpiece at top pintle	"	AS FORGE		✓
" " heel ...	"	APPROVED		✓
" how constructed	"			
" double or single plate	DOUBLE	6		✓
" coupling, vertical or horizontal	HORIZONTAL			✓

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks	39. 43. 44. 68. 80	51 TO 10'3 1/2" x 42 B.A. 30"			
34. 108. 132. 156. 157 IN CENTRAL		10'3 1/2" x 42 B.A. 30"			
Second " " " "		10'3 1/2" x 42 B.A. 30"			
56. 96 x 120 IN CENTRAL TANKS ONLY		51 TO 10'3 1/2" x 42 B.A. 30"			
" 144 IN CENTRAL TANK ONLY		52 TO 11'3 1/2" x 42 B.A. 30"			
WASH BULKHEADS 56		3 7'3" x 42 B.A. 32"			
COLLISION " (in Hold)	FR. 175	53 TO 26' TO 6'3" x 48 B.A.			
AFTER PEAK " " "	FR. 9	45 TO 3'7" x 4 B.A. 24"			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	BASIC. OPEN HEARTH
	LANARKSHIRE STEEL CO. L. DORMAN LONG & CO. CARRON FLEET IRON CO. CONSETT IRON CO.	
	COLVILL & CO. SKIRMINGROVE IRON CO. L. APPLEBY FRODINGHAM STEEL CO. L. SOUTH DURHAM STEEL & IRON CO. L.	
	Has the Steel been tested as required by the Rules?	YES

EQUIPMENT No. 44466										LETTER C+	ANCHORS. 38. I.S.
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			Where and when tested and Superintendent.
38569	1st Bower	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	SUNDELLAND 11-11-38 J.H.B.
38550	2nd "	80	0	0	59	10	0	63	5	0	D. 27-10-38 J.H.B.
38533	3rd "	81	1	0	59	10	0	53	12	2	D. 17-10-38 J.H.B.
	Collective weight.	69	3	0	53	12	2				
51775	Stream	241	0	0	23	13	3				CRADLEY HEATH 21-7-38 LEP
		23	2	22	5	3	26				

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-tory.	Break-ing.	Supplied.	Per Rule.			Length.	Diam.					Length.	Ins.	Tons.	Length.	Ins.	
89526	300 2 1/2	11 1/2	15 1/2	946-1-18	890-1-0			300	2 1/4	STUD LINK	NETHERTON	24-11-38 J.H.B.	TOWLINE GSW 1/2"	130 5 1/2	84 1/2	130	5 1/2		
					FOR 2 1/4 CHAIN								HAWSERS & WARPS GSW 1/2"	1290 3 1/2	39 1/2	42100	2 1/2		
														2090 3 1/2	35 1/2				
														2090 3	25 1/2				
														80120 8"	MANILA ROPE				
Iron Stream Chain or Steel Wire	120 4 3/4							120	4 3/4										

Steering Gear, Steam & HYDRAULIC. HASTIE & SON. Steering Gear, Hand BLOCKS & TACKLE LED TO CAPSTAN

4 STEEL LIFEBOATS 24" x 7'6" x 3'0"

Boats 2 WOOD 18" x 6'3" x 2'5"

Steering Chains, Size and Test

Windlass STEAM. EMERSON WALKER

Ceiling in Holds, thickness and material

Cargo Battens, thickness, material and spacing 3" x 3/4" CONVEX 10" C. TO CEN. IN FORWARD HOLD

Cargo Hatchways.-(Upper Deck) TO FORE HND 6'3" x 10'0" x 4 1/4" Thickness of Hatches 3 PLATING WITH 3 STIFFENERS

ALL TIGHT HATCHES TO CEN. TANK 9'0" OFF PART SIDE 5'3" x 38" O.A.

Size of No. 1 Hatchway (Forward) No. 1 No. 2 No. 3 No. 4 No. 5 No. 6

ALL HATCHES 6'0" x 4'0" 12' x 3 1/2" x 4'5" B.A. CORRUG

Number of Shifting Beams and/or Fore and Afters HINGED STEEL COVERS 6'4" WITH TIGGLES

For FURNESS SHIPBUILDING CO LTD

Builder's Signature Jmc Gourn 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

(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.

This vessel has been built in accordance with the approved plans, the Secretary's letter dated 14th July 1937 to 22nd Nov. 1938 and in general conformity with the Society's Rules and Regulations for the class contemplated. The main oil cargo tanks, cofferdam, oil fuel tanks and settling tanks, double bottom tanks in machinery space, forward deep tank, and fore and aft peak tanks have been tested to Rule Requirements with satisfactory results. The upper part of the fore peak bulkhead, all weather deck close of oil tank, watertight door to pump bridge & side ports to pump room have been tested & found satisfactory. The workmanship and materials are good. Freeboard verified. The vessel has left this Port for Sunderland to have her machinery installed. The following work requires to be done to complete the Survey & the Sunderland Surveyors have been notified accordingly, viz. Steam & combined steering gear, auxiliary steering gear & clean weather to maximum under working condition. Engine & boiler covers to complete after machinery is installed.

The amount of Entry Fee £ 11 : 0 : 0

Special Survey Fee.... £ 618 : 3 : 9

Travelling Expenses, if any £ : :

Fees applied for, 19

Received by me, 1. 4 1939

I am of opinion the Vessel should be Classed + 100 A.I.

"CARRYING PETROLEUM IN BULK"

"LONGITUDINAL FRAMING AT BOTTOM + AT DECK"

State whether the Vessel has been built under Special Survey YES.

Signature J. A. Brichton

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Middleborough

Date of issue 9/3/39

Committee's Minute

Character assigned

+ 100 A.I (on Sld. 32584)

Carrying Petroleum in Bulk

Lloyd's A+C P

+ LMC 2.39 Qd Eng

2DB 150h CL

Date of Build 2.39

Note

The surveyors are requested not to write on or below the Committee's Minute.

W161-00100 2/13

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.					
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			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.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.	Inches.		Number.	Diameter.	
Framing of L, L or C																			
Frames in Bridge 'tween Decks ...																			
Frames from Uppermost Continuous Deck No. 1																			
" 2																			
" 3																			
" 4																			
" 5																			
" 6																			
" 7																			
" 8																			
" 9																			
" 10																			
" 11																			
" 12																			
" 13																			
" 14																			
" 15																			
" 16																			
Spacing of Longitudinal Frames		Amidships			At Ends														
Double Bottoms		Tank Top Longitudinals																	
Bottom		17' 4" x 4" .48 ✓			17' 4" x 4" .48 ✓			17' 4" x 4" .48 ✓			17' 4" x 4" .48 ✓			7/8 4/8		7/8 RING. 3 1/2" APART FOR 9 SPACES EACH SIDE OF TRANSVERSES & BULK.			
Spacing of Longitudinals		30" IN CEN. TANKS 3 1/4" IN WING TANKS			30" IN CEN. TANKS 3 1/4" IN WING TANKS			30" IN CEN. TANKS 3 1/4" IN WING TANKS			30" IN CEN. TANKS 3 1/4" IN WING TANKS			14 3/8		16 7/8 RING. TO LONGITUDINAL TO BULK.			
At Ends...		DITTO			DITTO			DITTO			DITTO			18 7/8		18 7/8 " " " 132			
Transverses.																			
In Bridge 'tween Decks		Depth and Thickness																	
		Face Angles																	
		Lugs to Shell*																	
In Upper 'tween Decks.		Depth and Thickness																	
		Face Angles																	
		Lugs to Shell*																	
BOTTOM TRANSVERSES		Depth and Thickness			5 1/2" x 48 AT CEN. ✓ 36" x 44 AT SIDES ✓			5 1/2" x 48 AT CEN. ✓ 36" x 44 AT SIDES ✓			5 1/2" x 48 AT CEN. ✓ 36" x 44 AT SIDES ✓			7/8 3 1/2" + 4 AS APP. ✓					
		Face Angles			9 x 3 1/2" x 66 DOUBLE AT CEN. ✓ 3 1/2" x 3 1/2" x 44 SINGLE AT SIDES ✓			9 x 3 1/2" x 66 DOUBLE AT CEN. ✓ 3 1/2" x 3 1/2" x 44 SINGLE AT SIDES ✓			9 x 3 1/2" x 66 DOUBLE AT CEN. ✓ 3 1/2" x 3 1/2" x 44 SINGLE AT SIDES ✓								
In Hold.		Lugs to Shell*			6 x 6" x 48 AT CEN. ✓ 6 x 6" x 44 AT SIDES ✓ 3 1/2" x 3 1/2" x 48 AS APP. ✓			6 x 6" x 48 AT CEN. ✓ 6 x 6" x 44 AT SIDES ✓ 3 1/2" x 3 1/2" x 48 ✓			6 x 6" x 48 AT CEN. ✓ 6 x 6" x 44 AT SIDES ✓ 3 1/2" x 3 1/2" x 48 ✓								
		" " Back Bars48 5" FLANGE ✓			.48 5" FLANGE ✓			.48 5" FLANGE ✓								
		Brackets			10' 5" APART ✓			10' 5" APART ✓			10' 5" APART ✓								
Spacing of Transverse Frames		State if joggled or liners.																	
Longitudinal Beams of L, L or E		Bridge Deck ...																	
		Upper			8 x 3 1/2" x 44 B.A. ✓ IN CEN. TANKS			8 x 3 1/2" x 44 B.A. ✓ IN CEN. TANKS			8 x 3 1/2" x 44 B.A. ✓ IN CEN. TANKS			30"		30" x 42 6 x 3 1/2" x 46 D: ✓ IN CEN. TANKS		D: ✓	
		Second			8 x 3 1/2" x 47 B.A. ✓ IN WING TANKS			8 x 3 1/2" x 47 B.A. ✓ IN WING TANKS			8 x 3 1/2" x 47 B.A. ✓ IN WING TANKS			3 1/4"		28" x 42 6 x 3 1/2" x 5 D: ✓ IN WING TANKS		D: ✓	
		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.

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.)

FORGING & CASTING CERTIFICATES ENCLOSED HEREWITH
LIST SHOWING PARTICULARS OF PLANS ENCLOSED HEREWITH

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book
+100 AI. CARRYING PETROLEUM IN BULK
LONGITUDINAL FRAMING AT BOTTOM & AT DECK
CRUISER STERN "MACH. AFT"
MARCONI SOUNDING DEVICE (SHELL PIERCED) FITTED IN ENGINE ROOM DOUBLE
BOTTOM TANK PORT SIDE.

Particulars of Drop Test of Cast Steel Anchors, viz. :—	1st Bower	58 CENTS - 100 - 0 LBS	F.H.	20042	20-5-38
Weight, Surveyor's Initials,	2nd "	53 " - 0 - 0 "	E.E.	223	31-12-37
Number of Certificate, Date of Test.	3rd "	44 " - 3 - 0 "	N.H.	10013	24-6-38

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 106.5 ft., R.Q.D. v ft., Bridge 43.5 ft., Forecastle 63.95 ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks 1 DK. STL. 2ND DK. STL. CLEAR OF CARGO TANKS.

Official No. ; Signal Letters Is bottom of vessel coated with cement AS BELOW if not give

particulars of composition FORE & AFTER PEAK TANKS, AFTER WELL, ENGINE ROOM COFFERDAM & FEED WATER TANK CEMENTED. CEMENT FILLETS FITTED AT SEAMS & BUTTS OF PLATING IN WAY OF OILTANKS & PUMP ROOMS.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	24.6	209
Double bottom, under Engines and Boilers,			After peak tank,	16.0	183
Double bottom, if under Engines only,	27.6	36	Deep tank, aft,	39.9	489
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
		Total capacity of double bottom	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 1520

Date 6TH July 1937

Dates of Surveys held while building

1937 Nov. 13, 19, 30. Dec. 6. 1938 Jan. 12, 20, 26, 31. Feb. 3, 10, 17, 24, 26. Mar. 3, 7, 9, 14, 16, 19, 24, 28, 30. April 4, 5, 7, 11, 13, 21, 25. May 2, 9, 12, 20, 27, 31. June 2, 9, 10, 13, 16, 15, 17, 20, 22, 24. July 4, 8, 13, 18, 19, 21, 25, 26, 29. Aug. 3, 9, 29, 31. Sept. 5, 7, 8, 12, 15, 16. 19, 22. Oct. 13, 17, 19, 21, 24, 26, 28, 31. Nov. 1, 2, 3, 4, 8, 9, 12, 14, 16, 17, 18, 21, 23, 29. Dec. 5, 7, 12, 13, 21, 22, 23, 30. Jan. 2, 1938. 17, 18.

Total No. of Visits 106