

STEEL STEAMER OR MOTORSHIP.

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 6th March 1945.Port of HULLNo. 52824.Survey held at Knottingley and Goole.Date First Survey 19th October 1943.Last Survey 5th March 1944On the (State if Machinery fitted Single screw Motor Yanker "EMPIRE GUERNSEY".Machinery aff. YesState Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full ScantlingState Type of Erections Poop & ForecastleTONNAGE under Tonnage Deck 191.49Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓al 191.49.ss Tonnage 288.0ister Tonnage 103.77

REGISTERED DIMENSIONS.

FEET

gth 136.4dth 21.55h 8.50CLASS *100 A.1.State if with freeboard as condition of Class No.

"CARRYING PETROLEUM IN BULK"

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 135'-0"Breadth (greatest moulded) B 21'-6"Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 9'-0"1st Longitudinal Number (L x D) 12152nd Numeral L x (B + D) 4117.5Framing Depth "d," at middle of length. See Sec. 3 (1d) 8'-0"Proportions—Depth to Length—Uppermost continuous deck to top of keel 15Do. Long Bridge to top of keel ✓Draught Moulded 8'-3 3/4"Built at Knottingley.Launched 21st October 1944 Yard No. 168Builders John Harker LtdOwners The Ministry of War Transport.Managers Hensley Becc Ltd.

(Where necessary to be entered in Reg. Book)

Residence Southampton.Port of Registry Goole

If surveyed while building, afloat, or in dry dock

During construction

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.....	21 ✓		Bracket Floors, Frame		
" " from 1/2 length amidships to Collision bulkhead.....	21 ✓		" " Reversed Frame.....		
" " AFTER PEAK	17 ✓		" " Vertical Struts		
" " in peaks	21 ✓		Centre Girder, depth and thickness amidships		
SIDE FRAMING.			" " top Angles		
Frame Amidships, Angle, <u>E or F</u>	4 2 1/2 40 ✓		" " bottom Angles.....		
" " Extends up to.....	UPPER DECK ✓		Side Girders, No. each side and thickness.....		
Reversed Frame Amidships, Angle	2 1/2 2 1/2 28 ✓		Margin Plate depth (excl. of flange) and thickness		
" " Extends up to.....	ACROSS FLOORS ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Depth of Framing Girder.....	4 ✓		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
Frames in Uppermost Continuous 'tween Decks, Angle, <u>E or F</u>			" " Gussets, spacing and scantling abaft 1/4 len. from stem.....		
" " Second 'tween Decks, Angle, <u>E or F</u>			" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " Third			Tank Side Brackets, height above base line at toe of Frame and thickness		
" " from 1/2 len. for'd. to 15% len. from Stem			INNER BOTTOM PLATING.		
" " in Peaks, Angle <u>E or F</u>	4 2 1/2 40 ✓		Breadth and thickness of Middle Line Strake...		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3 1/4 - 4 1/2 ✓		Thickness of remainder in Holds		
State if Frame Joggled.....	160. ✓		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?.....		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	AS APPROVED		BEAMS.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			Uppermost Continuous Deck, amidships in Wells, Angle, <u>E or F</u>	3 2 1/2 30 ✓	
ANGLE BOTTOM.			" " in way of Bridge, Angle, <u>E or F</u>	✓	
Floors, Depth and thickness at mid-line in Holds.....	12" x 28 ✓		Spacing	21 ✓	
Height of Brackets at side above base line at toe of frame.....	NONE ✓		Second Deck, amidships, Angle, <u>E or F</u>		
Middle Line Keelson, on Floors, Angles, <u>E or F</u>			Spacing		
" " Through Plate or Inter-costal Plate			Third Deck, amidships, Angle, <u>E or F</u>		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Fourth Deck, amidships, Angle, <u>E or F</u>		
Side Keelsons, No. each side.....	ONE ✓		Spacing.....		
" " thickness of Inter-costal Plate.....	28 ✓		Poop Deck, Angle, <u>E or F</u>	4 3 32 ✓	
" " Angles TOP	4 3 30 ✓		Spacing	21" x 17" ✓	
" " BOTTOM	2 1/2 2 1/2 30 ✓		Bridge Deck, Angle, <u>E or F</u>	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing			Forecastle Deck, Angle, <u>E or F</u>	4 3 32 ✓	
" " Are Frame and Reversed Frame joggled?			Spacing.....	21 ✓	
Bracket Floors, breadth and thickness at middle line					
" " breadth and thickness at margin plate.....					

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		TWO	✓		
" in 'tween Decks, Size and Spacing		3 x 3 x 3/8"	✓		
		2 AS APPROVED.	✓		
" in Holds		✓			
Centre Line Bulkhead.					
Stiffeners and Spacing		5 3 5/16"	✓		
		21"	✓		
Plating, thickness of		32-28	✓		
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells		66 1/2 x 30	✓		
" " " " in way of Bridge		✓			
" Angle in Wells		4 x 4 x 3/8"	✓		
Thickness of Plating abreast Deck openings in way of Wells		30	✓		
Thickness of Plating abreast Deck openings in way of Bridge		30	✓		
Thickness of Plating within line of openings		25	✓		
If Sheathed, material and thickness		✓			
Second Deck.					
Stringer Plate, breadth and thickness in Wells		✓			
Stringer Plate, breadth and thickness in way of Bridge					
Thickness of Plating within line of openings					
If Sheathed, material and thickness					
Third Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Fourth Deck.					
Stringer Plate, breadth and thickness					
If Plated, state thickness					
Poop Deck.					
Stringer Plate, breadth and thickness		51 x 25	✓		
Plating, Sheathing, material and thickness		25	✓		
Bridge Deck.					
Stringer Plate, breadth and thickness		✓			
Plating, Sheathing, material and thickness		✓			
Forecastle Deck.					
Stringer Plate, breadth and thickness		69 x 26	✓		
Plating, Sheathing, material and thickness		26	✓		

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.		Diam.
Flat Plate Keel	52	42	38	38		DBLE - SINGLE	3/4	7 PR. R.	3-2	3/4	2 5/8	LAPPED
" Dblg. (if any)	✓	✓				✓						
Bottom Plating, No. of Strakes	72	32	36	28		DBLE - SINGLE	5/8	8 PR. R.	2	5/8	2 1/4	LAPPED
Bilge Plating, No. of Strakes	45	32	28	28		"	"	"	2	"	"	"
Side Plating, No. of Strakes	✓	✓				✓						
Upper Deck, Sheer-strake in Wells	46	40	28	28		DBLE - SINGLE	3/4	7 PR. R.	3-2	3/4	2 5/8	LAPPED
Upper Deck, Sheer-strake in Bridge	✓	✓				✓						
Strake below Sheer-strake in Wells	46	32	28	28		DBLE - SINGLE	5/8	8 PR. R.	2	5/8	2 1/4	LAPPED
Strake below Sheer-strake in Bridge	✓	✓				✓						
Poop Side Plating	43	25				WELDED	✓		WELDED	✓		WELDED
Bridge Side Plating	✓	✓				✓			✓			✓
Forecastle Side Plating	39	25				WELDED	✓		WELDED	✓		WELDED

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	2	7
Extending to Upper Deck (Sec. 3 c)	✓	✓
" Deck next below	✓	✓
As per Rule	4	

O.T. BULKHEADS.

7

8

✓

✓

4

✓

✓

✓

✓

✓

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✓

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✓

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		FLAT PLATE KEEL.		
STEM		6" x 1 1/2"	6" x 1 1/8"	
SERN FRAME		5 1/2 x 2 1/2"	✓	
Propeller Post		✓		
Rudder		✓		
Speed of Vessel		10 KNOTS		
RUDDER—Type		SEMI-BALANCED STREAM LINE		
A x D		4 1/2" x 14"	✓	
Diam. of head		4 1/2"	✓	
Mainpiece at top pintle		4 1/2"	✓	
heel		4 1/2"	✓	
how constructed		WELDED CONSTRUCTION	✓	
double or single plate coupling, vertical or horizontal		DOUBLE HORIZONTAL.	✓	

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:—APPLEBY-FRODINGHAM STEEL CO. LD.

SECTIONS:—DORMAN, LONG & CO. LD. CONSETT IRON CO. LD.

Has the Steel been tested as required by the Rules? Yes.

Lloyd's Register Foundation

EQUIPMENT No. 4480

LETTER "d"

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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
56197	1st Bower	7	0	22	STOCKLESS			9	9	1	14	7 1/4	BRITANNIC (CAST STEEL HEAD)	R. SYKES & SON	CRADLEY HEATH. 22.6.43 W. V. NORMAN.
56198	2nd "	7	1	10	"			9	11	2	7	7 1/4	" " "	" "	" " "
	3rd "														
	Collective weight	14	2	4								14 1/2			
57492	Stream	2	1	4	0	2	10	4	15	0	0	2 1/4 EX STOCK	ORDINARY FORGED W.I. ANCHOR	ISAIAH PRESTON LTD	CRADLEY HEATH 15.3.44 W. V. NORMAN

CHAIN CABLES.

HAWERS 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.	Stations.	Break-ing.	Supplied.	Per Rule.	Cwts.	Length.	Diam.					Length.	Ins.	Tons.	Length.	Ins.
67320	165 7/8	7/8	13 3/4	20 7/8	67-3-1	64 1/2	165	14	16	STUD LINK	HENRY REECE	CRADLEY HEATH. 31.8.43. F.W. DOVEY	TOWLINE	75	2 1/4	10.8	75	2 1/4
													HAWERS & WARPS	95	4	(HEMP)	90	4
														20 45	2	8.3		
Iron Stream Chain or Steel Wire	45	2 1/4	10.8					45	2 1/4									

Steering Gear, Type (Power or hand) HAND GEAR.

Alternative Means of Steering TILLER WITH BLOCKS & TACKLE.

Steering Chains (Size and Test) 5/8" DIAR. 4-12-2-0

Windlass ELECTRIC - EMERSON, WALKER LTD. 2 STEEL LIFEBOATS 1605' x 5.95' x 2.45

Ceiling in Holds, thickness and material NONE

Cargo Battens, thickness, material and spacing NONE

Cargo Hatchways.—(Upper Deck) STEEL PLATES WELDED TO TRUNK TOP.

Thickness of Hatches

Size of Hatchways No. 1 (End) 2'6" x 2'6" No. 2 No. 3 No. 4 No. 5 No. 6

Number of Shifting Beams and/or Fore and Afters

For JOHN HARKER LIMITED.

Builder's Signature

E. H. Thirkettle

SHIPYARD MANAGER

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).

This ship has been built in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements are in accordance with, or equivalent to, those shown on the approved plans.

The materials and workmanship are good.

Fore & after peak tanks, cargo oil tanks, oil fuel bunkers, cofferdams have been tested to rule requirements and found in order.

Decks, bulkheads, & shell clear of cargo oil tanks &c. tested and found in order.

Windlass & steering gear arrangements tried under working conditions and found in order.

The supervision of the specification has been carried out.

A freeboard has been assigned, the marks cut in on the vessel's sides and verified.

The amount of Entry Fee £ 3 : 0 : 0
FREEBOARD FEE £ 4 : 0 : 0
Special Survey Fee £ 43 : 4 : 0
SUPERVISION OF SPECIFICATION £ 10 : 16 : 0
Travelling Expenses, if any £ 10 : 0 : 11

Fees applied for,

(Special notations, where part of class, to be stated.)

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

I am of opinion the Vessel should be Classed *100A-1.

"CARRYING PETROLEUM IN BULK"

Certificate to be sent to Hull.

Date of issue 20/4/45

Signature

J. Macleod
Surveyor to Lloyd's Register of Shipping.

Committee's Minute

FRI. 13 APR 1945

Character assigned

+100A1 Carrying Petroleum in bulk Subject

Lloyd's A & C.P.

+LMC 3.45 Oil Engg.

O.G.

Machy aft.

White Hull.

"Mach

0179 2/2

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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 approved plans are being retained for reference in dealing with sister vessels under construction.

This vessel is a sister ship to "EMPIRE LUNDY" - Hull Report NS2553.

Copy of interim certificate enclosed herewith (See Rpt 8), also copy of completion certificate & steernay chain test certificate.

PARTICULARS OF ELECTRIC WELDING (if employed)

Bulkheads & expansion tanks including stiffeners.
Upper deck, poop & forecastle decks. (Beams riveted).
Poop & forecastle side plating.
Oil fuel bunkers.

Approved electrodes employed on this work.

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

* 100 A.1.

"CARRYING PETROLEUM IN BULK"

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

1st Bower
2nd "
3rd "

4-1-10 incl. cup & pins. J.D. 6119. 10-4-41.
4-1-19 " " " A.E.G. 7193. 3-9-42.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 10.72 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 13.79 ft.

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

Official No. 180972

Signal Letters M.Q.N.R.

Extreme Breadth over Belting 21.8 ft.
(Circ. 1611) MOULDING.

Over-all Length 143.10 ft.
(Circ. 1703)

No. and Material of Decks 10K(STL).

Parts of Bottom of Vessel coated with cement or approved composition FORE & AFTER PEAKS - CEMENT WASHED. ENGINE ROOM - BITUMEN SOLUTION.

Particulars of composition (if fitted) and of approval APPROVED BY A/M.S. BRANCH.

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, this survey)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	9.75	24
Double bottom, under Engines and Boilers,			After peak tank,	7.5	19 1/4
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 length (if continuous) and Capacity			(If necessary furnish further information by sketch.)		

Order for Special Survey No 3428

Date 14th October 1943.

Dates of Surveys held while building

1943: Oct 19. Dec 7-16-22. 1944: Jan 7-20. Feb 1-11-18-23-25. March 3-16-29.
April 18-26. May 9-18-25. June 5-15-22-28. July 19-31. August 3-10-16-30.
Sept. 15-18-22-27. Oct 9-12-16-21-25. Nov. 3-10-22. Dec 14-21.
1945: Jan 11-17-19-24. Feb 1-7-14-28. March 5

Total No. of Visits 52

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