

IN D.O.

DISCLOSED
SECTION
No. 781

Received at London Office

State if Report has been sent on the Freeboard of the Vessel Yes

State if Report is sent on the Machinery of the Vessel. Yes

Date of completion of report 16th June 1944 Port of HULL

Survey held at Knottingley and Goole Date First Survey 25th January 1943. Last Survey 30th June 1944

On the ^{(State if Machinery fitted for use}
_(if Single, Twin or Triple Screw) Single Screw Motor Vauken "EMPIRE ALDERNEY".

State Type (Full Scantling, Complete Superstructure with or without Damage Openings) Hull Scantling State Type of Erections Forecastle + poop

TONNAGE under } 191.49
Tonnage Deck ... }

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

Total 191.49

Gross Tonnage 288.00

Register Tonnage 103.77

REGISTERED DIMENSIONS.

FEET

136.4

21.55

8.5

CLASS ✠ 100 A.1.

"CARRYING PETROLEUM IN BULK"^{as}

State if with freeboard } No.
as condition of Class }

Length from fore part of stem to after part of stern } L 135'-0"✓
post on summer L.W.L. See Sec. 3 (1a)

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 \times D).....= 1215

2nd Numeral $L \times (B + D)$ = 4117.5 ✓

Framing Depth "d," at middle of length. See } 8.0' ✓
 Sec. 3 (1d)..... }

Proportions—Depth to Length—Uppermost continuous deck to top of keel } 15 ✓

Do. Long Bridge to }
top of keel }

Draught Moulded 8'-3 3/4".

Built at Knottingley

Launched 11th December 1943, Yard No. 166

Builders Messrs John Harker Ltd

Owners The Ministry of War Transport.

Managers

(Where necessary to be entered in Reg. Book)

Residence London

Port of Registry.....Hooile

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.
MESES, Spacing amidships.....	21 ✓		Bracket Floors, Frame		
" from $\frac{1}{2}$ length amidships to Collision bulkhead.....	21 ✓		" " Reversed Frame.....		
" " AFTER PEAK	17 ✓		" " Vertical Struts		
" " FORE PEAK	21 ✓		Centre Girder, depth and thickness amidships		
FRAMING.			" " top Angles		
me Amidships, Angle, \square or \square	4 2 1/2 .40 ✓	see endorsement 10.6.44	" " 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 $\frac{1}{4}$ len. from stem		
th of Framing Girder.....	4" ✓		" " Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area		
mes in Uppermost Continuous 'tween Decks, Angle, \square or \square			" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....		
" Second 'tween Decks, Angle, \square or \square			" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area		
" Third			Tank Side Brackets, height above base line at toe of Frame and thickness		
from $\frac{1}{2}$ len. for'd. to 15% len. from Stem			INNER BOTTOM PLATING.		
in Peaks, Angle or \square	4 2 1/2 .40 ✓		Breadth and thickness of Middle Line Strake...		
meter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 4 1/2" ✓		Thickness of remainder in Holds		
if Frame Joggled.....	No. ✓		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?.....		
the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?			BEAMS.		
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, \square or \square	3 2 1/2 .30 ✓	
E BOTTOM.			" " in way of Bridge, Angle, \square or \square		
rs, 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, \square or \square		
le Line Keelson, on Floors, Angles, \square or \square			" " Spacing		
" " Through Plate or Intercoastal Plate			Third Deck, amidships, Angle, \square or \square		
" " Foundation Plate on Floors			" " Spacing.....		
" " Flat Plate Keel Angles			Fourth Deck, amidships, Angle, \square or \square		
Keelsons, No. each side.....	ONE ✓		" " Spacing.....		
" " thickness of Intercostal Plate...	.28 ✓		Poop Deck, Angle, \square or \square	4 3 .32 ✓	
" " Angle.....	TOP \square 4 3 .30 ✓		" " Spacing.....	21" & 17" ✓	
" " BOTTOM \square 2 1/2 2 1/2 .30 ✓			Bridge Deck, Angle, \square or \square		
BLE BOTTOM.			" " Spacing.....		
lid Floors, thickness and spacing			Forecastle Deck, Angle, \square or \square	4 3 .32 ✓	
" " Are Frame and Reversed Frame joggled?			" " Spacing.....	21 ✓	
acket Floors, breadth and thickness at middle line					
" " breadth and thickness at margin plate.....					

(MADE IN ENGLAND.)

010495-010501-0233

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	2 ✓		Stringer Plate, breadth and thickness in way of Bridge		
" in 'tween Decks, Size and Spacing F.C.E.	3 x 3 x 3/8" AS APPROVED ✓		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	5' 3" x 5/16 - 21" ✓		Stringer Plate, breadth and thickness.....		
Plating, thickness of32 - .28 ✓		If Plated, state thickness		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	66 1/2 x 30 ✓		If Plated, state thickness.....		
" " " " in way of Bridge	✓		Poop Deck.		
" Angle in Wells	4 x 4 x 3/8" ✓		Stringer Plate, breadth and thickness.....	51 x 25 ✓	
Thickness of Plating abreast Deck openings } in way of Wells30 ✓		Plating, Sheathing , material and thickness25 ✓	
Thickness of Plating abreast Deck openings } in way of Bridge.....	✓		Bridge Deck.		
Thickness of Plating within line of openings...			Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness.....	✓		Plating, Sheathing, material and thickness ...	✓	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells	✓		Stringer Plate, breadth and thickness.....	69 x 26 ✓	
			Plating, Sheathing , material and thickness...	.26 ✓	See letter 30.6.44

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? <i>Yes.</i>	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.....	52 ✓	42 ✓	38 ✓	38 ✓		DBLE. TO SINGLE	3/4	6 PR. R. x	3-2 ✓	3/4	2 3/4	LAPPED	
„ Dblg. (if any)	✓	✓											
Bottom Plating, No. of Strakes }.....	72 ✓	32 ✓	36 ✓	28 ✓		DBLE. TO SINGLE	5/8	7 PR. R. x	2 ✓	5/8	2 1/4	LAPPED	
Bilge Plating, No. of Strakes }.....	45 ✓	32 ✓	28 ✓	28 ✓		"	"	"	2 ✓	"	"	"	
Side Plating, No. of Strakes }.....	✓	✓			<i>See letter 30.6.44 re. riveting in scan</i>	✓	✓	✓	✓	✓	✓	✓	
Upper Deck, Sheer-strake in Wells.....	46 ✓	40 ✓	28 ✓	28 ✓		DBLE. TO SINGLE	3/4	6 PR. R. x	3-2 ✓	3/4	2 3/4	LAPPED	
Upper Deck, Sheer-strake in Bridge ...	✓	✓				✓			✓	✓		✓	
Strake below Sheer-strake in Wells.....	46 ✓	32 ✓	28 ✓	28 ✓		DBLE. TO SINGLE	3/4	6 PR. R. x	2 ✓	5/8	2 1/4	LAPPED	
Strake below Sheer-strake in Bridge ...	✓	✓						<i>x Excl. rivets in frames</i>					
Poop Side Plating.....	43	25 ✓				WELDED ✓	✓	✓	WELDED ✓	✓	✓	WELDED	
Bridge Side Plating.....	✓	✓											
Forecastle Side Plating	39	25 ✓				WELDED ✓	✓	✓	WELDED ✓	✓	✓	WELDED.	

WATERTIGHT BULKHEADS.

on plan 1, W.T. 8 O.T. See plan

O.T. BULKHEADS

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c)..... (2) 1

„ Deck next below..... (7) 8

As per Rule..... 4

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 1/4" ✓	6" x 1 1/8" ✓	
STERN FRAME {				
Propeller Post		5 1/2" x 2 3/4" ✓	5 1/2" x 2 1/2" ✓	
Rudder "		✓		
Speed of Vessel		10 KNOTS ✓		
RUDDER—Type		SEMI-BALANCED	STREAM LINE ✓	
" A x D		✓		
" Diam. of head		4 1/2" TO 6" ✓		
" Mainpiece at top <u>pintle</u>		4 1/2" ✓		
" " heel		4 1/2" ✓		
" how constructed		WELDED CONSTRUCTION. ✓		
" double or single plate		DOUBLE 3/4" ✓		
" coupling, vertical or		NOTE.		
" horizontal				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks					
"	" Second "					
"	" Third "					
A.T.	" Holds	22	32-28	5 x 3 x 34	24"	
COLLISION	" (in Hold)	72	32-28	6 x 3 x 38	24"	
AFTER PEAK	"	5	50-26	4 x 3 x 30	24	

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. ✓

see letter 30.7.44

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.					
56172	1st Bower	7	1	7	STOCKLESS			9	11	2	7	✓	7 1/4 ✓	BRITANNIC (CAST STEEL HEAD)	R. SKYES & SON	CRADLEY HEATH 22-6-43 W. V. NORMAN ✓
56173	2nd "	7	0	22	"			9	9	1	14	✓	7 1/4 ✓	" " "	" "	" " " ✓
	3rd "															
	Collective weight	14	2	1									14 1/2 1/4			
57489	Stream	2	1	12	0	2	16	4	17	2	0	✓	2 1/4 EX. STOCK	ORDINARY FORGED W. IRON ANCHOR.	ISAIAH PRESTON LTD.	CRADLEY HEATH 15-3-44 W. V. NORMAN ✓

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.		
	Fathoms	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Ins.					Fathoms	Ins.	Tons.	Fathoms	Ins.	
66920	165 7/8	7/8	13 3/4	20 7/8	72	2	7	64 1/4	165 11/16	STUD LINK	KENDRICK & MOLE LTD.	CRADLEY HEATH 15-5-43 W.V. NORMAN	TOWLINE	75	2 1/4	10.8	75	2 1/4	
													HAWSERS & WARPS	95	4		90	4	
															(HEMP)				
														2 1/2	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. TC 4-12-2-0 Windlass ELECTRIC - EMERSON WALKER LTD. 2 STEEL LIFEBOATS 16'05" x 5'96" x 2'45"

Ceiling in Holds, thickness and material NONE Cargo Battens, thickness, material and spacing NONE

O.T. Cargo Hatchways.—(Upper Deck) STEEL PLATES WELDED TO TRUNK TOP. Thickness of Hatches ✓

O.T. 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 OIL TANKER 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 supervision of the specification has been carried out.

The materials & 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, Shell clear of oil tanks hoisted and found in order.

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

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

The amount of Entry Fee..... £ 3 : 0 : 0	Fees applied for, 12 JUN 1944	(Special notations, where part of class, to be stated.)
FREEBOARD FEE £ 4 : 0 : 0		
Special Survey Fee..... £ 43 : 4 : 0	Received by me, 19	I am of opinion the Vessel should be Classed <u>+100 A-1.</u>
SUPERVISION OF SPECIFICATION £ 10 : 16 : 0		
Travelling Expenses, if any £ 10 : 2 : 1		

State whether the Vessel has been built under Special Survey Yes

Signature James Macleod Surveyor to Lloyd's Register of Shipping.

Date of issue 18/7/44

Committee's Minute Hull. Manchester

Character assigned +100A1 Carry? Petroleum in Bulk subject

Lloyd's A & CP. + LMC 6.44

Oil Eng

Lloyd's Register Foundation

010495-010501-0233 212

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. ✓

PARTICULARS OF ELECTRIC WELDING (if employed)

Bulkheads and expansion trunks including stiffeners.
upper deck, poop & forecastle deck plating
Poop & forecastle side plating
oil fuel bunkers.
Murex (faster) electrodes used. ✓

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

± 100 A.I.

"CARRYING PETROLEUM IN BULK".

LIMITING PORTS BREST-ELBE. ✓

Restricted service owing to non-compliance with Freeboard regulations not affecting the vessel's class. Teleph. comm. with Mr Potts 4.7.44.

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

1st Bower	4-1-15	incl. cups & pins.	A.E.G.	7589	19-11-42
2nd "	4-1-3	" " "	A.E.G.	7296	24-9-42.
3rd "					

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 40.72 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. 180114.

Signal Letters ✓

Extreme Breadth over Belling Moulding 21.8 ft. (Circ. 1611)

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

No. and Material of Decks 1 DK(STL).

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

Particulars of composition (if fitted) and of approval APPROVED BY A/MS 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.)

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. 2433

Date 14th Oct 1943.

Dates of Surveys held while building

1943:- Jan. 25. April 20. May 6. June 2. 30. July 9. 16. 23. 29. 30. Aug. 11. 20. 27. 30.
Sept. 2. 7. 14. 21. Oct. 1. 8. 13. 16. 19. 27. Nov. 5. 12. 17. 23. 26. Dec. 2. 7. 11. 16. 22.
1944:- Jan. 7. 20. Feb. 1. 11. 18. 23. 25. Mar. 3. 16. 29. April 18. 26. May 8. 16. 19. 23. 25.
June 1. 3

Total No. of Visits 58.