

## STEEL STEAMER OR MOTORSHIP.

24 FEB 1953

Received at London Office

State if Report has been sent on the Freeboard of the Vessel. No.

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

Date of completion of report 23rd February, 1953. Port of PLYMOUTH No. 8235

Survey held at DARTMOUTH. Date First Survey 27th December, 1951. Last Survey 21st January, 1953.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) "HEMBO"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling State Type of Erections --

TONNAGE under Tonnage Deck ...	79.33	CLASS	State if with freeboard as condition of Class } None	Built at	Dartmouth
of space or spaces between Tonnage Dk. Upper Dk.	.45	Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)	L 75	Launched	31.10.52. Yard No. 1241
Tonnage	79.78	Breadth (greatest moulded)	B 20	Builders	Philip & Son Ltd.
er Tonnage	Nil	Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)	D 10.5	Owners	Union Lighterage Co. Ltd.
REGISTERED DIMENSIONS.		1st Longitudinal Number (L x D)	= 787.5	Managers	--
FEET		2nd Numeral L x (B + D)	= 2287.5	(Where necessary to be entered in Reg. Book)	
75.8		Framing Depth "d," at middle of length. See Sec. 3 (1d)		Residence	--
20.06		Proportions—Depth to Length—Uppermost continuous deck to top of keel	7.14	Port of Registry	London
8.3		Do. Long Bridge to top of keel	--	If surveyed while building, afloat, or in dry dock	
		Draught Moulded Mean	8.5	Whilst 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	15"		Bracket Floors, Frame		
" " from 1/3 length amidships to Collision bulkhead	15"		" " Reversed Frame		
" " in peaks	15"		" " Vertical Struts		
DE FRAMING.			Centre Girder, depth and thickness amidships		
Frame Amidships, Angle, E or F	4 x 3 x .40		" " top Angles		
" " Extends up to	Main Deck		" " bottom Angles		
Reversed Frame Amidships, Angle	4 1/2 x 3 x .50	4 1/2 x 3 x .50	Side Girders, No. each side and thickness		
" " Extends up to	On Floors only		Margin Plate depth (excl. of flange) and thickness		
Depth of Framing Girder	4"		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
Frames in Uppermost Continuous 'tween Decks, Angle, E or F			" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, E or F			" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" " Third			" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " from 1/2 len. for'd. to 15% len. from Stem	As body of vessel		Tank Side Brackets, height above base line at toe of Frame and thickness		
" " in Peaks, Angle or E	do.		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4" dia. 5 1/4" spacing		Breadth and thickness of Middle Line Strake		
State if Frame Joggled	Yes		Thickness of remainder in Holds		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	As Appd.		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 way of the Bottom Forward in accordance with the Rules and/or as approved?	" 2		BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	4 x 3 x .36	
Frames, Depth and thickness at mid-line in Holds Fore Cabin	15" to 17" x .30		" " in way of Bridge, Angle, E or F	5 x 3 x .36	
Height of Brackets at side above base line at toe of frame	15" to 17"		Spacing	on every frame	
Middle Line Keelson, on Floors, Angle, E or F	4 1/2 x 2 1/2 x .40		Second Deck, amidships, Angle, E or F		
" " Through Plate or Inter-costal Plate	in cabin		Spacing		
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or F		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side	One Forward only		Fourth Deck, amidships, Angle, E or F		
" " thickness of Intercoastal Plate	9" x .35" Bulb Plate.		Spacing		
" " Angles			Poop Deck, Angle, E or F		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing			Bridge Deck, Angle, E or F		
" " Are Frame and Reversed Frame joggled?			Spacing		
Bracket Floors, breadth and thickness at middle line			Forecastle Deck, Angle, E or F		
" " breadth and thickness at margin plate			Spacing		



## 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 .....	None fitted with Owners	as agreed Represent.	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 .....			Stringer Plate, breadth and thickness.....	
Plating, thickness of .....			If Plated, state thickness .....	
STRINGERS AND DECKS.			Fourth Deck.	
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	
Stringer Plate, breadth and thickness in Wells - - -			If Plated, state thickness.....	
" " " " throughout	54"	to 38"x .35	Poop Deck.	
" " " " in way of Bridge	6 x 4 x .50		Stringer Plate, breadth and thickness.....	
" Angle in Wells throughout			Plating, Sheathing, material and thickness ...	
Thickness of Plating abreast Deck openings } in way of Wells .....	.30		Bridge Deck.	
Thickness of Plating abreast Deck openings } in way of Bridge.....	- - -		Stringer Plate, breadth and thickness.....	
Thickness of Plating within line of openings...	.30		Plating, Sheathing, material and thickness ...	
If Sheathed, material and thickness.....	No.		Forecastle Deck.	
Second Deck.			Stringer Plate, breadth and thickness.....	
Stringer Plate, breadth and thickness in Wells - - -			Plating, Sheathing, material and thickness...	

## SHELL PLATING.

[illegible]

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		Three				
Extending to Upper Deck (Sec. 3 c)		---				
Deck next below		---				
As per Rule		3				
		STIFFENERS.				
		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks					
"	" Second "					
"	" Third "					
"	" Holds .....	.32	4 x 3/8" Flat	24"	-	-
COLLISION	" (in Hold) .....	.30	3 x 3 x .35	24"	3 x 3 x .35.1 only	
AFTER PEAK	" .....	.50 & .25	3 x 3 x .35	24"	-	-
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Appleby Frodingham & Guest Keen Baldwins. Open Hearth.						
Has the Steel been tested as required by the Rules? Yes.						



EQUIPMENT No. 2288												LETTER		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.	
62522	1st Bower	4	0	22	-	-	-	6	12	2	0	Halls Type	B.Hingley	C.H.9.7.46. W.V.Norman		
	2nd "															
	3rd "															
	Collective weight															
	Stream															

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.		Supplied.	Per Rule.	Length.						Diam.	Length.		Ins.	Length.	Ins.		
16131	60	1 1/2	168.5	12.75	15	2	14	60	1 1/2	StudLink B.Hingley N.28.3.52. H.Murphy	TOWLINE								
											HAWSEERS & WARPS	60	5 1/2	Hemp in lieu of 5" Manila					
												60	3	Hemp	"	"			

Steering Gear, Type (Power or hand) Power. Donkin Hydraulic

Steering Chains (Size and Test) 2" dia 9T.2c.2qrs.0lb. Test.

Windlass Hand

Boats None

Cargo Hatchways.-(Upper Deck) None

Cargo Battens, thickness, material and spacing ---

Thickness of Hatches ---

Hatchways No. 1 (Fwd.) --- No. 2 -- No. 3 -- No. 4 -- No. 5 -- No. 6 --

of Shifting Beams } Fore and Afters }

Builder's Signature

FOR PHILIP & SON, LIMITED.

*J. Philip*

**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 No. whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo No. 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 under Special Survey in conformity with the Society's Rules & Regulations and Secretary's letters. The scantlings and arrangements of the ship are as given in the report and as shown amended on the approved plans now forwarded. All modifications or additions to the original approved arrangements made during construction have been indicated on the plans and have been approved as being in accordance with, or by standards equivalent to, the Rule requirements. The plans of midship section and file and decks showing the ship as built, now forwarded herewith, have been checked with the approved arrangements and found in order. The workmanship and materials are good, and the vessel found satisfactory in every respect when tried at sea.

Amount of Entry Fee..... £ : :	Fees applied for, 23. 2. 19 53.	(Special notations, where part of class, to be stated.)
Special Survey Fee..... £33 : 0 : 0	Received by me, 19	
Travelling Expenses, if any ..... £20 : 11 : 0		

whether the Vessel has been built under Special Survey Built under Special Survey

I am of opinion the Vessel should be Classed + A.1. For Towing Services on River Thames.

Signature *[Signature]* Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned

PLYMOUTH.

Date of issue 6/3/53

TUES. 3 MAR 1953

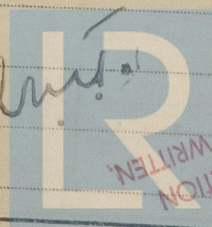
+ A1 For Towing Service on the River Thames

Lloyd's A+C.P.

+ LMC 1.53 Oil Eng.

OG

*White P.*



© 2021

Lloyd's Register Foundation

0131 2/2



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 following plans are forwarded herewith—

Scantling Profile & Decks  
Scantling Section  
Sternframe & Rudder  
Riveting Table  
Gunwale bar Riveting  
Main & Auxiliary Engine Seatings  
Shell Expansion  
Steering Arrangement  
Fabricated Stern  
Casing Skylight  
Main Fuel Tanks  
Bilge Ballast & Circulating System  
Oil Fuel System  
Compressed Air System  
Daily Service Tank  
Oil Gland  
Wiring Diagram

PARTICULARS OF ELECTRIC WELDING (if employed) Fuel Tanks Part only.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book  
For Towing Service on River Thames

RADAR Equipment (State if fitted)

State Type or Pattern No.

State } Maker  
Name } and/or  
of } Supplier

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

1st Bower 2 c. 2 qrs. 14 lbs. A.E.G. 7132 10.9.45.  
2nd „  
3rd „

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

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

Official No. 184757 Signal Letters -- Extreme Breadth over Belting 20.29' Over-all Length 81.25'  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks One. Steel.

Parts of Bottom of Vessel coated with cement or approved composition Cement in Fore & After Peaks. Bituminous enamel elsewhere.

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,	7.0	6.
Double bottom, under Engines and Boilers,			After peak tank,		
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. 64

Date 22. 5. 51.

Dates of Surveys  
held while building

1951. Dec: 27; 1952 Apr: 30; May 14, 20; Jun: 11, 27; Jul: 3, 9, 15; Aug: 6, 13, 27; Sept: 3, 11, 16, 24; Oct. 1, 8, 15, 23, 27, 29, 31; Nov: 13; Dec: 17, Jan: 7, 16, 21.

Total No. of Visits 30

Lloyd's Register  
Foundation