

STEEL STEAMER OR MOTORSHIP. (TRAWLER)

Received at London Office

30 APR 1946

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 April 1946Port of HullNo. 53433Survey held at Kelly and HullDate First Survey 5th January 1945Last Survey 17th April

1946

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single screw steam tug "EMPIRE NINA"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Hull scantlingState Type of Erections NoneTONNAGE under Tonnage Deck ... 262.17CLASS *100 A-1State if with freeboard as condition of Class NoBuilt at KellyDo. of space or spaces between Tonnage Dk. and Upper Dk. ✓

FOR TOWING SERVICES.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 115'0"Breadth (greatest moulded) B 27'6"Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 13'6"1st Longitudinal Number (L x D) 1552.52nd Numeral L x (B + D) 4715Framing Depth "d," at middle of length. See Sec. 3 (1d) 13'5"Proportions—Depth to Length—Uppermost continuous deck to top of keel 8.5'Do. Long Bridge to top of keel ✓Draught Moulded 12'2"Launched 12th June 1945 Yard No. 1304Builders Bochane & Sons LtdOwners Ministry of War TransportManagers United Yarns Co. Ltd.

(Where necessary to be entered in Reg. Book)

Residence HullPort of Registry Hull

If surveyed while building, afloat, or in dry dock

During constructionTotal 262.17Gross Tonnage 296.45Register Tonnage Nil

REGISTERED DIMENSIONS.

FEET

Length 116.0Breadth 27.6Depth 12.7FRAMES, ~~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		
" " IN BOILER ROOM	21 1/2 ✓		" " Reversed Frame		
" " from 1/2 length amidships to Collision bulkhead	18 ✓		" " Vertical Struts		
" " in peaks <u>FORE PEAK</u>	18 ✓		Centre Girder, depth and thickness amidships		
" " <u>AFTER "</u>	21 ✓		" " top Angles		
SIDE FRAMING.			" " bottom Angles		
Frame Amidships, Angle, <u>E</u>	5 3 30 ✓		Side Girders, No. each side and thickness		
" " IN BOILER ROOM <u>E</u>	5 3 36 ✓		Margin Plate depth (excl. of flange) and thickness		
" " Extends up to <u>UPPER DECK</u>			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Reversed Frame Amidships, Angle <u>✓</u>	3 2 1/2 30 ✓		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		
" " IN BOILER ROOM <u>✓</u>	3 2 1/2 40 ✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Extends up to <u>ACROSS FLOORS</u>			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
Depth of Framing Girder	5 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness		
Frames in Uppermost Continuous 'tween Decks, Angle, <u>[</u> or <u>]</u>			INNER BOTTOM PLATING.		
" " Second 'tween Decks, Angle, <u>[</u> or <u>]</u>			Breadth and thickness of Middle Line Strake		
" " Third " " " "			Thickness of remainder in Holds		
" " from 1/2 len. for'd. to 15% len. from Stem			Are Rule requirements complied with regarding increases of scantlings in way of <u>double bottom in E & B space and framing in Bunkers and Boiler Room?</u>	<u>yes</u> ✓	
" " in Peaks, Angle <u>or [</u>	5 3 30 ✓		BEAMS.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4 ✓		Uppermost Continuous Deck, amidships in <u>Well, Angle, <u>E</u></u>	5 3 30 ✓	
State if Frame Joggled	<u>40</u> ✓		" " in way of <u>Angle, <u>E</u></u>	6 3 30 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<u>AS APPROVED</u> ✓		" " Spacing <u>21</u> ✓		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			" " <u>HALF BEAMS IN ENG. RM & F</u>	4 3 30 ✓	
SINGLE BOTTOM.			Second Deck, amidships, Angle, <u>[</u> or <u>]</u>	4 3 34 ✓	
Floors, Depth and thickness at mid-line in <u>Holds in BOILER ROOM</u>	18 x 30 ✓		Spacing		
" " Height of Brackets at side above base line at toe of frame	<u>NONE</u> ✓		Third Deck, amidships, Angle, <u>[</u> or <u>]</u>		
Middle Line Keelson, on Floors, Angle, <u>[</u> or <u>]</u>	12 x 4 1/2 x 36 (195) ✓		Spacing		
" " Through Plate or Inter-costal Plate			Fourth Deck, amidships, Angle, <u>[</u> or <u>]</u>		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Poop Deck, Angle, <u>[</u> or <u>]</u>		
BILGE			Spacing		
Side Keelsons, No. each side	<u>ONE</u> ✓		Bridge Deck, Angle, <u>[</u> or <u>]</u>		
" " thickness of Inter-costal Plate	✓		Spacing		
" " Angle <u>✓</u>	5 4 40 ✓		Forecastle Deck, Angle, <u>[</u> or <u>]</u>		
" " IN BOILER ROOM	5 4 50 ✓		Spacing		
DOUBLE BOTTOM.					
Solid Floors, thickness and spacing					
" " Are Frame and Reversed Frame joggled?					
Bracket Floors, breadth and thickness at middle line					
" " breadth and thickness at margin plate					

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.
Stringer Plate, breadth and thickness in way of Bridge	ONE	✓					
Thickness of Plating abreast Deck openings in way of Wells	2 1/2" DIAM-4'6"	✓					
Thickness of Plating abreast Deck openings 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							
Plating, Sheathing, material and thickness							
Bridge Deck.							
Stringer Plate, breadth and thickness							
Plating, Sheathing, material and thickness							
Forecastle Deck.							
Stringer Plate, breadth and thickness							
Plating, Sheathing, material and thickness							

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged? ✓ 03.	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.		
GARBOARD Flat Plate Keel	37½	✓ 35	✓ 35	✓ 35		DOUBLE ✓	¾	6R.R.	✓	DOUBLE	¾	2 5/8	✓ STRAPPED
„ Dblg. (if any).....	✓	✓				✓			✓				
Bottom Plating, No. of Strakes 2.....	B 55½	✓ 34	✓ 30	✓ 30		SINGLE ✓	¾	6R.	✓	DOUBLE	¾	2 5/8	✓ LAPPED
Bilge Plating, No. of Strakes 1.....	C 61	✓ 34	✓ 30	✓ 30		"	"	"		"	"	"	
	D 62	✓ 34	✓ 30	✓ 30		"	"	"		"	"	"	
Side Plating, No. of Strakes.....	✓	✓				✓							
Upper Deck, Sheer- strake in Wells.....	F 42½	✓ 40	✓ 35	✓ 35		DOUBLE ✓	¾	6R.R.	✓	DOUBLE	¾	2 5/8	✓ STRAPPED
Upper Deck, Sheer- strake in Bridge ...	✓	✓				✓			✓				
Strake below Sheer- strake in Wells.....	E 53½	✓ 36	✓ 30	✓ 30		SINGLE ✓	¾	6R.	✓	DOUBLE	¾	2 5/8	✓ LAPPED
Strake below Sheer- strake in Bridge ...	✓					✓			✓				✓
Poop Side Plating.....	✓					✓			✓				✓
Bridge Side Plating.....	✓					✓			✓				✓
Forecastle Side Plating	✓					✓			✓				✓

WATERTIGHT BULKHEADS.

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

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓	7" x 1 1/4"	APPLEBY, FROD. STEEL CO.	
STEM	"	7" x 1 1/4"	"	
STERN FRAME	Propeller Post	FORGING 7" x 3"	T.S. FORSTER & SONS LTD	
	Rudder	" 5 1/2 x 3"	"	
Speed of Vessel		AND AS APPROVED 12 KNOTS		
RUDDER—Type		DOUBLE PLATE		
" A x D.		111-6		
" Diam. of head	FORGING	6"		
" Mainpiece at top pintle	FORGING	6 1/2 x 4 1/2	T.S. FORSTER & SONS LTD	
" heel	"	3 1/2 x 4 1/2	"	
" how constructed		FORGED & BUILT.		
" double or single plate coupling, vertical or horizontal		DOUBLE PLATE		
		HORIZONTAL		

STIFFENERS.	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks									
O.T.	ON FRAME No. 23	34-30	6" x 3-30	24"	12" x 35 PL.	✓			
O.T.	" Second	34-30	5" x 3-30	24"	5" x 3-35	✓			
O.T.	" Third	34-30	6" x 3-30	24"	12" x 35 PL.	✓			
W.T.	" Holds	34-26	5" x 3-30	24"	5" x 3-35	✓			
COLLISION	" (in Hold)	34-26	3" x 3-40-30	24"	W.T. FLAT	✓			
AFTER PEAK	"	34-30	5" x 3-30	24"	"				

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH PROCESS

STEEL PLATES:- APPLEBY, FRODINGHAM STEEL CO. LD. DORMAN, LONG & CO. LD. CONSETT IRON CO. LD.

SECTIONS:- DORMAN, LONG & CO. LD. SKINNING GROVE IRON CO. LD. CONSETT IRON CO. LD. APPLEBY, FRODINGHAM STEEL CO. LD.

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

EQUIPMENT No. ✓												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.	Cwts.						
60471 ✓	1st Bower ..	7	2	0	STOCKLESS				9	13	3	0	✓	7 1/4 ✓	BRITANNIC (CAST STEEL HEAD)	R. SYKES & SON	CRADLEY HEATH	✓
60472	2nd „ ..	6	2	0	✓	“			8	15	0	0	✓	6 1/2 ✓	“ “ “	“ “	10-8-45 W.V. NORMAN.	✓
	3rd „ ..																	
	Collective weight	14	0	0	✓									13 3/4 ✓				
✓	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.	Stations.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Fathoms		Ins.	Tons.	Fathoms	Ins.
	Fathoms	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms	Ins.				Fathoms	Ins.	Tons.	Fathoms	Ins.		
70027	150 F.	1 1/8	20 3/16	30 1/16	89-1-23		60 3/4		105	1 7/8	STUD LINK	RICHARD SYKES & SON.	CRADLEY HEATH 21-8-45 JOSEPH HIGGS.	TOWLINE	60	6		60	6	
	4 FT.													HAWSERS & WARPS }	60	5		60	5	
		Cir.								Cir.				"			& TO OWNERS REQUIREMENTS.			
Iron Stream Chain or Steel Wire		✓	✓											"						

Steering Gear, Type (Power ~~or hand~~) STEAM - DONKIN & CO. LD. ✓ Alternative Means of Steering TILLER WITH BLOCKS & TACKLE ✓

Steering Chains (Size and Test) 7/8" DIA. 9 1/8 TONS. LPH CH 51148 & 52375 ✓ Windlass STEAM - EMERSON, WALKER LD. ✓ Boats 2 LIFEBOATS 19'0" ✓

Ceiling in Holds, thickness and material WOOD GRATINGS - 1 1/2" DOUGLAS FIR. ✓ Cargo Battens, thickness, material and spacing NONE. ✓

Cargo Hatchways. — (Upper Deck) NONE ✓ Thickness of Hatches

Size of Hatchways AFT No. 1 (Fwd) 5'0" x 3'0" ✓ No. 2 ✓ No. 3 ✓ No. 4 ✓ No. 5 ✓ No. 6 ✓

Number of Shifting Beams and/or Fore and Afters NONE. ✓

Builder's Signature V. Gray 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 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 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, boiler feed tanks, water ballast tanks and oil fuel tanks have been tested to rule requirements and found in order. ✓ Flash point of oil fuel 150°F.

Oil fuel tanks are situated between the engine & boiler spaces. ✓

Decks, casings, watertight bulkheads, hatchways & shell plating clear of tanks have been tested and found in order. ✓

The supervision of the specification has been carried out. ✓

Windlass & steering arrangements tried under working conditions and found satisfactory. ✓

A keelboard 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: 19

FREEBOARD FEE £ 4 : 0 : 0

Special Survey Fee..... £ 29 : 12 : 0

SUPERVISION OF SPECIFICATION £ 7 : 8 : 0 Received by me, 19

Travelling Expenses, if any £ 4 : 17 : 7

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

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

FOR TOWING SERVICES.

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

Certificate to be sent to Hull. Date of issue 23/5/46. Signature M. Macleod Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 17 MAY 1946

Character assigned + 100 A1 For Towing Services

Lloyd's A.C.P. Fitted for oil fuel H. 4.6 F.P. above 150°F

LMC 4.46

F.D. 06

White Hall

Special marking document re LMC

The Surveyors are requested not to write on or before the Committee's Minutes.

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 dealing with sister-vessels under construction.

The following forging reports are enclosed:-

Keel frame Sld. Rpt. No 4709
Rudder frame & rudder head. " " " 4935.

Copy of completion certificate and interim certificate (H. m.), also steering chain test certificate are enclosed.

This vessel is a sister ship to "EMPIRE GRETA" - Hull report No 53312.

PARTICULARS OF ELECTRIC WELDING (if employed)

W.T. flats electrically welded at ship's sides.
Approved electrodes used.

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

* 100 A-1.

FOR TOWING SERVICES.

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

1st Bower

4-2-6 ind. cups & pins!

A.E.G.

3259.

20-12-44

2nd "

9-3-15

A.E.G.

5571.

7-6-45

3rd "

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

Official No. 180474.

Signal Letters

Extreme Breadth over Belting (Circ. 1611) 29.4 ft.

Over-all Length (Circ. 1703) 123.5 ft.

No. and Material of Decks 1 DK (STL)

Parts of Bottom of Vessel coated with cement or approved composition Bottom coated with cement.

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,	10.5	5 1/2
Double bottom, under Engines and Boilers,			After peak tank,	10.5	27
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward, BALLAST TANK FORWARD	60	12 1/2
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. 2455

Date Jan 1944

Dates of Surveys held while building

1945:- Jan. 5-10-17-19. Feb. 5-9-12-15-19-22-26. Mar. 1-5-8-13-16-20-28-30. Apr. 6-9-12-17
Apr. 19-23-26. May. 1-4-7-11-14-18-25-31. June 2-4-9-12-20-22-27. July 4-18-26
Aug. 9-24-31. Sept. 5-7-17. Oct. 9-16. Nov. 7-27. Dec. 13-19. 1946. Jan. 3-7-10-17.
Jan. 21-24. Feb. 7-12. Mar. 6-14-15-21-25. Apr. 12

Total No. of Visits 10

Lloyd's Register
Foundation