

STEEL STEAMER or MOTORSHIP.

Received at London Office 11 OCT 1946

Last Report No. 102861; Port. Five

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 - REPORT 9

Date of completion of report 4th October 1946. Port of NEWCASTLE-ON-TYNE No. 103998
 Survey held at Walker-on-Tyne. Date First Survey 1945 July 17th Last Survey 13th Sept. 1946.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) new fore end for M.V. "TREWORLAS" (ex "Harpagus") (single screw)
 (from frame 10392)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Intermediate between F.S. + C.S.S. State Type of Erections None (Flush Sk.)

TONNAGE under Tonnage Deck... 6786.72 CLASS 100 A1. State if with freeboard as condition of Class YES. Built at Walker-on-Tyne.
 Do. of space or spaces between Tonnage Dk. and Upper Dk. ✓ Length from fore part of stem to after part of stern } 420.79
 Total ✓ Breadth (greatest moulded) B 56.21
 Gross Tonnage 7265.20 Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 38.07
 Register Tonnage 5101.67 1st Longitudinal Number (L x D) = 15569.
 2nd Numeral L x (B + D) = 39222.
 Framing Depth "d" at middle of length. See Sec. 3 (1d) 25.35
 Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.07
 Do. Long Bridge to top of keel ✓
 Draught Moulded ✓
 Launched 16th May 1946 Yard No. 29.
 Builders Shipbuilding Corporation Ltd. (Tyne Branch)
 Owners Harrow & Co. Ltd.
 Managers (Where necessary to be entered in Reg. Book) Baltic Exchange Chambers.
 Residence 11, Mary Lane, London E.C.3.
 Port of Registry London.
 If surveyed while building, afloat, or in dry dock While building, afloat, & in dry dock.

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	3 1/2		Bracket Floors, Frame	6 3/2 .40	B.A.
" " from 3/4 length amidships to Collision bulkhead	27		" " Reversed Frame	6 3/2 .34	B.A.
" " in peaks	24		" " Vertical Struts	10 3/2 .40	B.A.
DE FRAMING.			Centre Girder, depth and thickness amidships	forward of 43 3/4 x .54	
Frame Amidships, Angle, E or F	13 1/2 4 .54		" " top Angles	double. 3 1/2 3 1/2 .48	to .44
" " Extends up to	2nd Sk (2 at Hatch ends to upper)		" " bottom Angles	double. 4 4 .56	
Reversed Frame Amidships, Angle	none.		Side Girders, No. each side and thickness	one. .38	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	40 3/4 x .54	
Depth of Framing Girder	✓		" " Vertical Angle to Tank side	6 6 .45	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	6 3/2 .35	Sec. 93-110.	" " Bracket abaft 1/2 len. from stem	5 5 .45	double.
" " Second 'tween Decks, Angle, E or F	6 3/2 .40	" 113-135.	" " Vertical Angle to Tank side	5 5 .45	continuous
" " Third " " " "	4 3/2 .33	" 138-157.	" " Bracket from forward 1/2 len. from stem to Panting Area	13 1/2 x .42	continuous
" " from 1/2 len. for'd. to 15% len. from Stem	13 1/2 4 .54	approved sec. 16.9.46.	" " Gussets, spacing and scantling abaft 1/2 len. from stem	19 x .42	continuous
" " in Peaks, Angle, E or F	8 3/2 .38		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	70 x .46	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 . 53/4		Tank Side Brackets, height above base line at toe of Frame and thickness		
State if Frame Joggled	no		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes - as approved		Breadth and thickness of Middle Line Strake	48 x .50 to .45	+ .08 under
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes - as approved		Thickness of remainder in Holds	.44 to .40	Hatchways
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes - as approved		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?	✓	
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, E or F	8 3/2 .35	+ as approved
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, E or F		
Middle Line Keelson, on Floors, Angles, E or F			Second Deck, amidships, Angle, E or F	9 3/2 .38	+ as approved
" " Through Plate or Intercoastal Plate			Spacing		on every frame.
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or F		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or F		
" " thickness of Intercoastal Plate			Spacing		
" " Angles			Poop Deck, Angle, E or F		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	42 on every 3rd frame.		Bridge Deck, Angle, E or F		
" " Are Frame and Reversed Frame joggled?	Yes.		Spacing		
Bracket Floors, breadth and thickness at middle line	33 x .42		Forecastle Deck, Angle, E or F		
" " breadth and thickness at margin plate	33 from DBT top knuckle.		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.....			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.....	3/8" to .31	
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge.....	-	
„ in Holds „ „			Thickness of Plating within line of openings.....	3/4" to .31	
„ „ „ „ „			If Sheathed, material and thickness.....	no sheathing	
Centre Line Bulkhead, Stiffeners and Spacing.....			Third Deck.		
Plating, thickness of „ „			Stringer Plate, breadth and thickness.....		
STRINGERS AND DECKS.			If Plated, state thickness.....		
Uppermost Continuous Deck.			Fourth Deck.		
Stringer Plate, breadth and thickness in Wells.....			Stringer Plate, breadth and thickness.....		
„ „ „ „ in way of Bridge.....			If Plated, state thickness.....		
„ Angle in Wells.....			Poop Deck.		
Thickness of Plating abreast Deck openings in way of Wells.....			Stringer Plate, breadth and thickness.....		
Thickness of Plating abreast Deck openings in way of Bridge.....			Plating, Sheathing, material and thickness.....		
Thickness of Plating within line of openings.....			Bridge Deck.		
If Sheathed, material and thickness.....			Stringer Plate, breadth and thickness.....		
Second Deck.			Plating, Sheathing, material and thickness.....		
Stringer Plate, breadth and thickness in Wells.....			Forecastle Deck.		
			Stringer Plate, breadth and thickness.....		
			Plating, Sheathing, material and thickness.....		

SHELL PLATING.

SCANTLINGS.						RIVETING.							
AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		EDGES. <i>no.</i>		BUTTS.					
STRAKES.	AMIDSHIPS.		FORWARD. AFT.		SINGLE OR DOUBLE.		RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.	Diam.	Spacing or to cr.	Diam.	Spacing or to cr.					
	Inches.	Inches.	Inches.	Inches.									
FLAT PLATE KEEL	<i>52</i>	<i>.79^A</i>	<i>.69^A</i>	<i>-</i>	<i>double.</i>		<i>1"</i>	<i>4'</i>	<i>{ 4 to 3 }</i>	<i>1"</i>	<i>7/8 - 3/2 - 3/8</i>	<i>Lapped</i>	
DECK (if any)	<i>{ A }</i>	<i>.61^A</i>	<i>.54^A</i>	<i>-</i>	<i>{ A, B + C = .70" from 1/2 L }</i>				<i>{ A }</i>	<i>3/8</i>	<i>3/8</i>		
	<i>{ B }</i>	<i>.68^A</i>	<i>.70^A</i>	<i>-</i>	<i>{ told to collision strg }</i>		<i>double.</i>	<i>7/8"</i>	<i>3 1/2'</i>	<i>{ B, C }</i>	<i>3/2 - 3/8</i>	<i>Lapped</i>	
BOTTOM PLATING, No. of Strakes	<i>{ C }</i>	<i>.61^A</i>	<i>.50^A</i>	<i>-</i>					<i>{ C, D }</i>	<i>3/8</i>	<i>3/8</i>		
	<i>{ D }</i>	<i>.68^A</i>	<i>.66^A</i>	<i>-</i>					<i>{ D, 4 to 3. }</i>	<i>3/2 - 3/8</i>	<i>Lapped</i>		
BILGE PLATING, No. of Strakes	<i>E.</i>	<i>.64^A</i>	<i>.50^A</i>	<i>-</i>			<i>double.</i>	<i>7/8"</i>	<i>3 1/2'</i>	<i>3.</i>	<i>7/8"</i>	<i>3/8'</i>	<i>Lapped</i>
SIDE PLATING, No. of Strakes	<i>{ F, G, H, I, J, K. }</i>	<i>.63^A</i>	<i>.47^A</i>	<i>-</i>	<i>{ F, G, H, & J in Parting area = .59. K at stem increased to .60 }</i>		<i>double.</i>	<i>7/8"</i>	<i>3 1/2'</i>	<i>3.</i>	<i>7/8"</i>	<i>3/8'</i>	<i>Lapped</i>
UPPER DECK, Sheer-strake in Wells.....													
UPPER DECK, Sheer-strake in Bridge ...	<i>L, 90</i>	<i>.67^A</i>	<i>.47^V</i>	<i>-</i>	<i>increased to .60 at stem</i>				<i>4 to 3^A</i>	<i>7/8"</i>	<i>3 1/2 - 3/8</i>	<i>Lapped</i>	
STRAKE BELOW SHEER-strake in Wells.....													
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—
Extending to Upper Deck (Sec. 3 c) 4 (as previously recorded)
Deck next below 7.^u
As per Rule

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Depart- ment Appro- plans to be S-
KEEL, Etc.				
STEM				
STERN				
FRAME				
Speed of Vessel				
RUDDER—Type				
" A x D				
" Diam. of head				
" Mainpiece at top pintle				
" " heel				
" how constructed				
" double or single plate				
" coupling, vertical or				
" horizontal				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*
Loughborough Steel & Iron Co. Ltd., Bessemer Iron Co. Ltd., Appleby-Frodingham Steel Co. Ltd.,
Norman Long & Co. Ltd., Colville & Co. Ltd., Girders Steel & Co. Ltd., Birmingham I. Co. Ltd., Steel Co. of Iron
 Has the Steel been tested as required by the Rules? *Yes.*

Rpt. 9a.

Port of NEWCASTLE-ON-TYNE.

Continuation of Report No. 103998. dated 13th September, 1946. on the

M. V. "TREWORLAS" Shipbuilding Corporation Ltd (Lyne Branch) ship #29.
(New fore ends)
Particulars of certificates for 2 5/16" dia. stud link chain cables + end shackles.

Maximum Yest: $96\frac{1}{4}$ tons. Making Yest: $134\frac{3}{4}$ tons.

Number of certificates	Length fathoms.	Weight C. Q. L.	Makers.	Where + When tested + Superintendent.
23389	15 1/3	42. 2. 13.	not scaled	Underland 30. 6. 45 } Dooney.
23841	15 1/6	42. 0. 18	"	
23360	15 1/6	42. 0. 12	"	
23847.	15 1/6	42. 1. 22	"	
40423.	15 1/6	41. 1. 15	Kendrick + Thole, Ltd.	Bradley Heath. 31. 10. 45 } Norman
40416.	15 1/6	41. 1. 21		
40422	15 1/3	41. 3. 14.		
40463	15	41. 0. 7.		
40465	14 5/6	39. 2. 17		
40460	14 5/6	40. 0. 5.		
40417.	15 1/6	41. 1. 13.		
70419.	14 2/3	40. 0. 1		
40462.	15 1/6	41. 0. 9		
70420.	15 1/6	41. 0. 25		
70461.	15 1/3	41. 0. 15		
70418.	15 1/6	41. 1. 17		
40459.	15 1/6	41. 2. 1		
40464.	14 5/6	39. 2. 11		
<u>271 7/6 "</u>		742. 0. 12 "		
24474	end shackle	1. 1. 16	not scaled	S. 14. 6. 46 Dooney
24475	"	1. 1. 17	"	S. 14. 6. 46 "
		<u>744. 3. 14</u>		

24473	} spare end	1. 1. 25	not scaled	S.	14. 6. 46	doney.
24476		1. 1. 18	" "	S.	14. 6. 46	"

G. Campbell.

SURVEYOR TO LLOYD'S REGISTER

EQUIPMENT No 40123

LETTER A +

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.
29385	1st Bower	Cwts. qrs. lbs. 69 1 14	Stocks 53 10 0 0	Tons. cwt. qrs. lbs. 53 10 0 0	68 Cwts.	Ayeis		S. 4. 5. 46
49384	2nd "	69 1 0	do	53 7 2 0	68	Improved		S. 3. 5. 46
49108	3rd "	58 2 0	do.	47 10 0 0	58 1/2	C.S. Head		S. 28. 2. 46
	Collective weight.	197 0 14			194 1/2			
29404	Stream	19 1 0	5 1 7	20 1 3 14	19 ex. stock	Rodgers Castles		LW 15. 2. 46 Vogan.

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. Break- ing.	Supplied. Per Rule.	Length. Diam.					Length. Cir.	Tons.	Length. Cir.
	Fathoms. Ins.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms. Ins.				Fathoms. Ins.		Fathoms. Ins.
	271 1/2 2 5/16	96 1/4 13 3/4	744. 3. 17.	720 3/4	270 25/16 Stud link.	See following sheet.			120 4 3/4	64.6	120 4 3/4
									20 90 2 3/4	15.2	20 90 2 3/4
									20 90 2 1/2	13.2	20 90 2 1/2
	90 5	✓ 40.9	✓	✓	90 5	6/24 British Ropes Co. S.F.S.W.R. Gateshead	8.7.46 British Ropes Co. Doncaster				

Steering Gear, Type (Power or hand)

Alternative Means of Steering

Steering Chains (Size and Test)

Windlass

Boats

Ceiling in Holds, thickness and material

Cargo Battens, thickness, material and spacing

Cargo Hatchways.—(Upper Deck)

Thickness of Hatches

Size of Hatchways No. 1 (Fwd.)

No. 2

No. 3

No. 4

as previously

No. 6

Number of Shifting Beams and/or Fore and Afters

Builder's Signature

For and on behalf of

SHIPBUILDING CORPORATION LIMITED (The Company)

LOCAL SECRETARY

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

Motorship.

(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).

The new fore end for this vessel has been built in conformity with the Society's Rules + Regulations + the Secretary's letters. The scantlings + arrangements are in accordance with or equivalent to those shown on the approved plans.

The materials + workmanship are good.

The fore peak, deep water ballast tank (partly renewed) + nos 1 + 2 double bottom tanks have been tested as required by the Rules + found satisfactory.

The watertight bulkheads in holds + tween decks + the weather decks in way of the new fore end have been hose tested + found satisfactory.

The windlass has been tried with the anchors + cables + found satisfactory.

The hand pump to chain locker + fore peak store has been tried + found satisfactory.

The new fore end has been joined to the original after end - see also Rpt 8.

The amount of Entry Fee £

Fees applied for,

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

Special Survey Fee . . . £ 200 : 0 : 0

Specification 50 0 0

Travelling Expenses, if any £

Received by me,

I am of opinion the Vessel should be Classed

+ 100 A1 with feedback.

State whether the Vessel has been built under Special Survey

Yes.

Signature

G. Campbell for H.L. Walker + self.
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to NEWCASTLE-ON-TYNE Date of issue

Committee's Minute

Character assigned

See Minute on Indb. rpt. No 18146



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Lloyd's Register Foundation

003147-003153-0148 3/3

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 etc. sent for reference are returned herewith:-
The original First Entry Report Lundeland 33545 for M.V. "Harpagus"
Plans of midship section, profile + decks, sternframe + rudder for "Gardiscan"
(Lundeland Rpt. 33574)
General aught. plan, + approved plans of midship section, profile + decks, section
pipe arrangement, oil fuel bunkers in engine room + bilge + girders for "Empire
Beauty" (Lundeland Rpt. 33760) Bridge + Ballast aught. for "Jersey Hart" (Lund.
Report 33683).

PARTICULARS OF ELECTRIC WELDING (if employed)

Second deck stringer to shell. Deep tank girder + stringers in fore peak to
bulkheads + shell. Bulkhead stiffener brackets, + centre line bulkhead stiffener
+ brackets to D.B. tank top. Hatch beams, ventilator coamings to deck, Tank side
gussets to tank top.

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

As per original Report, except that cargo battens are now fitted throughout
cargo spaces in holds + tween decks, + that the anchor + cable equipment complies with
the full Rule requirements.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	39.2.14	J.H.J.	4282	23.11.45
	2nd "	39.0.22	A.E.G.	8187	15.2.46
	3rd "	33.3.14	J.H.J.	6996	9.6.45
	Stream	18.0.12	J.H.J.	7405	9.1.46.

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. 168347 Signal Letters Extreme Breadth over Belting ☒ Over-all Length (Circ. 1703) as previously
No. and Material of Decks Two - steel.

Parts of Bottom of Vessel coated with cement or approved composition cement over rivet heads in nos 1 + 2 D.B. tanks.
Remainder of steelwork in nos 10A. - cement washed. Bottom of fore peak cemented.

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 Cap. Tons.
Double bottom, aft,			Fore peak tank,		
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. 5772

Date 26.10.45

Dates of Surveys
held while building

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

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Total No. of Visits 54