

Rpt. 1

30 MAY 1945

IN D.O.

## STEEL STEAMER OR MOTORSHIP.

Received at London Office.

29 MAY 1945

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 18th May 1945

Port of NEWCASTLE-ON-TYNE

No. 102876

Survey held at South Shields

Date First Survey (1944) August 30th

Last Survey 27th April, 1945

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

Machinery amidships.

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Intermediate between F.S. and C.S.S.

State Type of Erections Fiddle and R.O.D.

TONNAGE under Tonnage Deck 6688.15

CLASS + 100 A.1.

State if with freeboard as condition of Class Yes

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

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 425.0

Breadth (greatest moulded) B 56.0

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 37.0

1st Longitudinal Number (L x D) 15,725

2nd Numeral L x (B + D) 39,525

Framing Depth "d," at middle of length. See Sec. 3 (1d) 21.83

Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.18

Do. Long Bridge to top of keel

Draught Moulded 26'-7 1/2"

Built at South Shields.

Launched 27th Feb. 1945 Yard No. 544

Builders Messrs. John Readhead &amp; Sons, Ltd.

Owners Strick Line (1925) Ltd.

Managers F. &amp; Strick &amp; Co., Ltd.

(Where necessary to be entered in Reg. Book)

Residence London

Port of Registry London

If surveyed while building and afloat, or in dry dock

Yes

## REGISTERED DIMENSIONS.

	FEET
Length	431.2
Breadth	56.3
Depth	35.6

## 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	36	✓	Bracket Floors, Frame	✓	
from 1/2 length amidships to Collision bulkhead	27	✓	Reversed Frame	✓	
in peaks	24	✓	Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/4 x 54	✓
Frame Amidships, Angle, [ or ]	12 3 1/2 5/8	✓	top Angles	double 3 1/2 3 1/2 48	✓
Extends up to	3rd frame & where cantainers or transverse fitted	✓	bottom Angles	double 4 4 54	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	2 { 7 3 1/2 42 3 1/2 42 3 1/2 42	✓
Extends up to	✓		Margin Plate	56	✓
Depth of Framing Girder	✓		thickness	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]	6 3 1/2 44	✓	Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Welded	✓
Second 'tween Decks, Angle, [ or ]	✓		Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	Welded	✓
Third	✓		Gussets, spacing and scantling abaft 1/4 len. from stem	14 x 42	✓
from 1/2 len. for'd. to 15% len. from Stem	12 3 1/2 3/8 B.O.	✓	Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	14 x 42	✓
in Peaks, Angle, [ or ]	8 3 1/2 35	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	11 1/16 x 48	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	1/8" Multiple spacing, 3" 6" apart	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes	✓	Breadth and thickness of Middle Line Strake	46 plated transversely	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes	✓	Thickness of remainder in Holds	46, 54 plated transversely	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	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?	Yes	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in	Longitudinal 6 x 3 1/2 x 40 B.O.	✓
Height of Brackets at side above base line at toe of frame			with transverse beams of	12 x 4 x 3/4 spaced 9'-0" apart	✓
Middle Line Keelson, on Floors, Angles, [ or ]			Second Deck, amidships, Angle, [ or ]	Longitudinal 7 x 3 x 40 B.O. with cantilevers of 50 plate with double riders 14 x 1 1/2 top 16 x 1 1/2 bottom sp. 9'-0" apart	✓
Through Plate or Inter-costal Plate			Third Deck, amidships, Angle, [ or ]		✓
Foundation Plate on Floors			Spacing		✓
Flat Plate Keel Angles			Fourth Deck, amidships, Angle, [ or ]		✓
Side Keelsons, No. each side			Spacing		✓
thickness of Inter-costal Plate			Poop Deck, Angle, [ or ]		✓
Angles			Spacing		✓
DOUBLE BOTTOM.			Bridge Deck, Angle, [ or ]		✓
Solid Floors, thickness and spacing	42 at 36"	✓	Spacing		✓
Are Frame joggled?	Yes	✓	Forecastle Deck, Angle, [ or ]	8 3 42 1/2 6 x 3 x 44 B.O.	✓
Bracket Floors, breadth and thickness at middle line	✓		Spacing	24 x 27"	✓
breadth and thickness at margin plate	✓				

(MADE IN ENGLAND.)

003541-003548-0208 1/2



## 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 <del>in way of Well</del> .....	}	.40 NEXT STRINGER ✓
" " " " "	✓		Thickness of Plating abreast Deck openings in way of Bridge.....	}	✓
" in Holds " " "	✓		Thickness of Plating within line of openings...		.34
" " " " "	✓		If Sheathed, material and thickness.....		✓
Centre Line Bulkhead. Stiffeners and Spacing SPACING .42"-54"	10 3½ ¾ ✓		Third Deck. Stringer Plate, breadth and thickness.....		✓
Plating, thickness of .....	.30 ✓		If Plated, state thickness .....		✓
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in W.B.	20¼ x 70 ✓		Fourth Deck. Stringer Plate, breadth and thickness.....		✓
" " " " in way of Bridge			If Plated, state thickness.....		✓
" Angle in Well .....	6 6 68 ✓		B.O. Deck. Stringer Plate, breadth and thickness.....		.46-.54 ✓
Thickness of Plating abreast Deck openings } in way of Well NEXT STRINGER .....	.65 ✓		Plating, Sheathing, material and thickness ...		.36-.44 ✓
Thickness of Plating abreast Deck openings } in way of Well NEXT HATCHWAY .....	.70 ✓		Bridge Deck. Stringer Plate, breadth and thickness.....		✓
Thickness of Plating within line of openings...	.40 ✓		Plating, Sheathing, material and thickness ...		✓
If Sheathed, material and thickness.....	✓		Forecastle Deck. Stringer Plate, <del>breadth and thickness</del> .....		.36 ✓
Second Deck. Stringer Plate, <del>breadth and thickness</del> in Well	.44 ✓		Plating, Sheathing, material and thickness...		.32 ✓

## SHELL PLATING.

SCANTLINGS.					RIVETING. <i>Amidships</i>							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.						Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.		Inches.	Inches.		
Flat Plate Keel.....	35 7/8	80	40	40		Double	7/8	3 1/2	<i>Butts welded</i>			
„ Dblg. (if any)	✓	✓				✓						
Bottom Plating, No. of Strakes ..... 3 }	A.C.	72 1/2 x 54	30	30		Double	7/8	3 1/2	4.R.	7/8	3 1/2 lapped	
Bilge Plating, No. of Strakes ..... 2 }	B.	72 1/2 x 68	30	30		Double	7/8	3 1/2	4.R.	7/8	3 1/2 single strapped	
Side Plating, No. of Strakes ..... 3 }	D.E.	93 1/2 x 68	30	30		Double	7/8	3 1/2	3.R.	7/8	3 1/2 lapped	
Upper Deck, Sheer-strake <del>in Wells</del> .....	E.G.H.	94 1/2 x 68	46	46					4.R.	1"	4 lapped	
Upper Deck, Sheer-strake in Bridge ...	92 7/8	73	46	46								
Strake below Sheer-strake in Wells .....	✓	* Bottom shell for 1/2 of 1/2 L for 1/2 75 thickness										
Strake below Sheer-strake in Bridge ...	✓	" " " " 3/8 L " 70 "										
Poop Side Plating.....	* Plating increased to 58 in panting area											
Bridge Side Plating.....	in lieu of side stringers											
Forecastle Side Plating	40					Single	3/4	3	Single	3/4	2 5/8 lapped	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—  
Extending to Upper Deck (Sec. 3 c) *COLLISION B<sup>42</sup> (144)*  
*B<sup>42</sup> 118/121, 25/26, 75/80, 52, 31, 1/9*  
~~Deck next below~~  
As per Rule *7*

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP	BULKH'D, Upper 'tween decks	.26	Plating corrugated ✓			
"	" Second "	-	-	-	-	✓
"	" Third "	-	-	✓	-	✓
"	" Holds	.34	Plating corrugated ✓			
COLLISION	" (in Hold)	.36-.53	6x3x.42 2x2x.41	24" BA	25mi box beams	✓
AFTER PEAK	"	.20-.75	6x3x.50 1/2 3x3x.30	24" BA	25mi box beams	✓

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....	✓	✓		
STEM .....	<i>Rolled Steel</i>	<i>10" x 2 1/2" Steel plates</i>		
STERN FRAME {	Propeller Post .....	<i>Fabricated as per approved plan.</i>		
	Rudder " .....			
Speed of Vessel .....	<i>under 12 knots</i>	✓		
RUDDER—Type .....	<i>Streamline</i>			
" A x D .....	<i>560</i>	✓		
" Diam. of head .....	<i>11 5/8</i>	✓		
" Mainpiece at top pintle .....	<i>12 3/4</i>	✓		
" " heel .....	<i>0 1/2</i>	✓		
" how constructed .....	<i>Forging</i>	✓		
" double or single plate coupling, vertical or horizontal .....	<i>Double</i>	<i>60</i>	✓	
	<i>Vertical</i>	✓		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*  
*Consett Iron Co; Skinningrove Iron Co; Appleby Frodingham; South Durham S & C*  
*Steel Co of Scotland; Norman Long; Manchester Steel Co; Cargo Fleet.*  
 Has the Steel been tested as required by the Rules? *Yes*



EQUIPMENT No. <u>40157</u>												LETTER <u>at</u>		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.
<u>2654</u>	1st Bower ...	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	<u>Stock class</u>	<u>N. Hingley &amp; Sons Ltd</u>	<u>North's - 15/12/44 - Ref</u>
<u>2655</u>	2nd ,, ...	<u>69</u>	<u>0</u>	<u>0</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>53</u>	<u>5</u>	<u>0</u>	<u>0</u>	<u>68</u>	<u>Stock class</u>	<u>N. Hingley &amp; Sons Ltd</u>	<u>North's - 15/12/44 - Ref</u>
	3rd ,, ...											<u>58½</u>			
	Collective weight	<u>138</u>	<u>0</u>	<u>0</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>					<u>194½</u>			
<u>28948</u>	Stream .....	<u>19</u>	<u>1</u>	<u>0</u>	<u>5</u>	<u>1</u>	<u>7</u>	<u>20</u>	<u>1</u>	<u>3</u>	<u>14</u>	<u>19</u>	<u>Rodgers best Steel Anchor</u>	<u>✓</u>	<u>For Walker - 7/12/44 - Yogan</u>

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- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Ins.	Length.		Ins.				
3861	Fathoms	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms	Ins.	Jayco Steel Link S. Taylor & Sons Ltd. North.	14/12/44 Ref.	TOWLINE	Fathoms	Ins.	Tons.	Fathoms	Ins.			
	270 3/4	2	100	141.1	576	3	7	720 75	270	2 3/4				180	4 3/4	64.6	120	4 3/4			
Note:	Two of the lengths of this cable are in two parts, viz, 5 fms. & 10 fms. each.																				
													HAWSERS & WARPS	30	Manilla	3 1/2	5	N.R.			
														2 at 90	2 3/4	15.2	2 at 90	2 3/4			
														4 at 90	Manilla	7"	2 at 90	2 3/4			
														2 at 75	3 1/4	21.7					
														2 at 75	2 3/4	15.2					
Iron Stream Chain or Steel Wire	90	5	-	52.8					90	5											

Steering Gear, Type (Power or hand) Donkin's (Steam Telerotor) Alternative Means of Steering Block & tackle from after winch

Steering Chains (Size and Test) 2 1/2" o.p. over bilged only Windlass Blake, Chapman & Co. Boats 1 motor, 3 ordinary.

Ceiling in Holds, thickness and material T.T. + 0.8" in way of hatchways. Cargo Battens, thickness, material and spacing Not fitted

Cargo Hatchways.—(Upper Deck) Steel plates and angles. Thickness of Hatches 2 1/2"; 2 3/8" at No. 4.

Size of Hatchways No. 1 (Fwd.) 31'6" x 23'0" No. 2 36'0" x 23'0" No. 3 36'0" x 23'0" No. 4 9'0" x 19'6" No. 5 36'0" x 23'0" No. 6 36'0" x 23'0"

Number of Shifting Beams and/or Fore and Afters 6 7 7 1 7

FOR JOHN READHEAD & SONS LTD.

Builder's Signature John Readhead MANAGING DIRECTOR 18.6.45

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 & the Secretary's letters. The scantlings and arrangements are in accordance with or equivalent to those shown on the approved plans. The materials & workmanship are good. The D.B., peak, and deep tanks have been tested by water pressure and the W.T. Bulkheads, weather decks and tunnel have tested as required by the rules & found satisfactory. The pumping arrangements have been tested. The windlass, steering and aux. steering gear have been operated under power as the vessel lay at the builders quay & found satisfactory. The assigned freeboards have been marked in on the vessels sides, verified, cut in and painted. Wireless, directional wireless & echo sounding device fitted. The equipment of anchors has been reduced in accordance with the Emergency Requirements & as per Secretary's letter. Cargo Battens are not fitted in Holds & Tween Decks. Wood hatch covers are fitted on 2nd deck except in No. 1 & 6 holds.

The amount of Entry Fee..... £ 10 0 0 Fees applied for, 28 MAY 1945

Special Survey Fee..... £ 302 15 0 Received by me, 19

Freeboard Award £ 18 0 0

Travelling Expenses, if any..... £ : : I am of opinion the Vessel should be Classed \*100A1 with freeboard.

State whether the Vessel has been built under Special Survey Yes. Signature Thomas E. Sowden.

Certificate to be sent to Newcastle Date of issue 27/7/45 Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 22 JUN 1945

Character assigned \*100A1 with freeboard

Lloyd's A+C.P.

Fitted for oil fuel 4.45 F.P. above 150°F

+LMC 4.45 Sph.

White Hwr. F.D. G.L.

note for SRL.



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.)

2" Type vessel - Sister Vessel "EMPIRE RABAU" by same builders, Newcastle  
Report No 102675.

Plans

In London office.

Certificates enclosed.

Stern frame  
butts  
F.W. Tank  
Rudder Head  
Rudder Arms  
Derrick Posts.  
Quadrant & Tiller.

PARTICULARS OF ELECTRIC WELDING (if employed) *Murex.*

Stern frame and rudder — butts of keel and centre girder — gussets to margin — shaft tunnel — Second deck stringer cheeks — masts & vent. coamings — Tank top plating.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book \* 100 A.I. with freeboard. — bruiser stern — Lloyd's A. & P. — L.F. and L.S.H.

Particulars of Drop Test of Cast Steel Anchors, viz.: Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	35-0-15	-	A.E.G.	-	6825	-	10/11/44
	2nd "	35-0-9	-	A.E.G.	-	6849	-	11/11/44
	3rd "							
	Stream	18-1-11	-	J.H.J.	-	6512	-	27/10/44

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 34.5 ft., Bridge ☒ ft., Forecastle 38.04 ft.

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

Official No. 100388 Signal Letters GJLR Extreme Breadth over Belting ☒ Over-all Length 447.75  
(Circ. 1611) (Circ. 1703)

No. and Material of Decks 2 decks (steel)

Parts of Bottom of Vessel coated with cement or approved composition Rust heads coated with cement, and steel work cement washed. Double bottom under boilers cemented. No cementing in O.F. Tanks.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	66 <input checked="" type="checkbox"/>	260	Fore peak tank, Lower 152 tons, Upper 42 tons	<input checked="" type="checkbox"/>	194 <input checked="" type="checkbox"/>
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	After peak tank,	<input checked="" type="checkbox"/>	178 <input checked="" type="checkbox"/>
Double bottom, under Engines only,	21 <input checked="" type="checkbox"/>	1042 N. (930 S)	Deep tank, aft,	52.0 <input checked="" type="checkbox"/>	310 <input checked="" type="checkbox"/>
Double bottom, under Boilers only,	18 <input checked="" type="checkbox"/>	87	Deep tank, forward,	15.75 <input checked="" type="checkbox"/>	300 <input checked="" type="checkbox"/>
Double bottom, forward,	205.5 <input checked="" type="checkbox"/>	842	Other tanks, if fitted, Engine Room Deep Tank	21.0 <input checked="" type="checkbox"/> 15.0 <input checked="" type="checkbox"/>	286 <input checked="" type="checkbox"/>
Total length (if continuous) and Capacity	310.5 <input checked="" type="checkbox"/>	1293 <input checked="" type="checkbox"/>	(If necessary furnish further information by sketch.)		
+ 2 Cais in Main Space 6.0 = 316.5 total length			hull ship Deep tank (No 4 hold)	21.0 <input checked="" type="checkbox"/>	790 <input checked="" type="checkbox"/>

Order for Special Survey No. 5732

Date 29/6/44

Dates of Surveys held while building

(1944) Aug. 30 Sept. 1, 6, 11, 13, 14, 15, 19, 21, 22, 25, 27, 29 Oct. 2, 3, 6, 10, 12, 17, 18, 23, 25, 30  
Nov. 2, 6, 7, 8, 15, 16, 17, 21, 22, 30 Dec. 4, 5, 8, 12, 14, 19, 20, 21, 22, 27 (1945) Jan. 3, 5, 11, 12, 15,  
16, 18, 20, 30 Feb. 3, 7, 8, 12, 15, 16, 19, 20, 21, 22, 23, 26, 27 Mar. 5, 6, 7, 8, 12, 13, 15, 16, 19, 21, 23, 27  
Apr. 3, 4, 5, 6, 10, 11, 12, 13, 16, 17, 19, 20, 21, 23, 24, 26, 27

Total No. of Visits 100