

## STEEL STEAMER or MOTORSHIP.

Received at London Office 2 JUL 1926

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

State if Report is sent on the Machinery of the Vessel

Date of completion of report

1st July 1926.

Port of West Hartlepool

No. 16414.

Survey held at

West Hartlepool

Date First Survey

2 Dec/25

Last Survey

24 June

1926.

On the

(State if Machinery fitted Aft and  
if Single, Twin or Triple Screw)

Single Screw Steamer.

"FIRBY"

Machinery Amidships.

State Type

(Full Scantling, Complete Superstructure  
with or without Tonnage Openings)

Full Scantling

State Type of Erections

P. B. &amp; F.

TONNAGE under

4639.83

CLASS

100A-1.

State if with freeboard

No

Built at

West Hartlepool

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 390.

Launched

28th April '26

Yard No. 979

Total

Breadth (greatest moulded)

B 54.79

Builders

Wm Gray and Co Ltd

Gross Tonnage

4867.75

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

D 28.75

Owners

The Repner Shipping Co Ltd

Register Tonnage

2998.91

1st Longitudinal Number (L x D)

= 11212.5

Managers

(Where necessary to be entered in Reg. Book.)

2nd Numeral L x (B + D)

= 32580.6

## REGISTERED DIMENSIONS.

FEET.

Length

390.00

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

25.32

Residence

Breadth

55.00

Proportions—Depth to Length—Uppermost con-  
tinuous deck to top of keel

13.56

Port of Registry

West Hartlepool.

Depth

26.55

Do. Long Bridge to top  
of keel

10.76

If surveyed while building, afloat, or in dry dock

Whilst building &amp; afloat.

## 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.
<b>FRAMES, Spacing amidships</b>	27 1/2	✓	<b>Bracket Floors, Frame</b>	9 3/4	43 NBS ✓
" " from 1/2 length to Collision bulkhead	27	✓	" " Reversed Frame	8 1/2	3 47 ✓
" " in peaks	24	✓	" " Vertical Struts	8 1/2	3 47 ✓
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	4 1/2	x 51 ✓
<b>Frame Amidships, Angle, [ or ]</b>	12 x 3 1/2 x 3 1/2	✓ 54 See Rules 60 Letter 20-11-25	" " top Angles	3 1/2	3 45 ✓
" " Extends up to	UPPER DK	✓	" " bottom Angles	4	4 55 ✓
<b>Reversed Frame Amidships, Angle</b>	✓	✓	<b>Side Girders, No. each side and thickness</b>	One	✓
" " Extends up to	✓	✓	<b>Margin Plate depth (excl. of flange) and thickness</b>	36	x 49 ✓
<b>Depth of Framing Girder</b>	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6	6 41 ✓
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b>	7 3 1/2 34 ✓ on alternate frame ✓ 4 frames at each end of bridge which are scantled as appd	✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	6	6 41 ✓
" " <b>Second 'tween Decks, Angle, [ or ]</b>	4 3 1/2 34 ✓	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	27 1/2 x 27 1/2	38 in every frame ✓
" " <b>Third " " " "</b>	4 3 1/2 34 ✓	✓	" " Gussets, spacing and scantling forward 1/2 len. from stem	27 x 27	38 " " and connections increased ✓
<b>Framing in Peaks, Angle or [</b>	7 1/8 7 dias ✓	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	5	2 1/2 ✓
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships</b>	No	✓	<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	✓	✓	<b>Breadth and thickness of Middle Line Strake</b>	49 1/2	x 49 ✓
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars	15 x 4 x 4 x 60/62 Reverse Angle 4 x 4 x 60 4 side stringers. Beam knees. margin connections and gaskets increased as per Rules	✓	<b>Thickness of remainder in Holds</b>	41	✓
<b>STRENGTHENING OF BOTTOM FOR- WARD.</b> State Particulars	Additional intercostals & double riveted frame bottom as per Rules	✓	<b>Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. &amp; B. space and framing in Bunkers and Boiler Room?</b>	Yes	✓
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b>			<b>Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]</b>	10 1/2	3 1/2 59 ✓
<b>Height of Brackets at side above base line at toe of frame</b>			" " in way of Bridge, Angle, [ or ]	10 1/2	3 1/2 50 ✓
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b>			<b>Spacing</b>	27	x 27 1/2 ✓
" " Through Plate or Intercostal Plate			<b>Second Deck, amidships, Angle, [ or ]</b>		
" " Foundation Plate on Floors			<b>Spacing</b>		
" " Flat Plate Keel Angles			<b>Third Deck, amidships, Angle, [ or ]</b>		
<b>Side Keelsons, No. each side</b>			<b>Spacing</b>		
" " thickness of Intercostal Plate			<b>Fourth Deck, amidships, Angle, [ or ]</b>		
" " Angles			<b>Spacing</b>		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or ]</b>	7 1/2	3 40 ✓
<b>Solid Floors, thickness and spacing</b>	38	82 1/2 ✓	<b>Spacing</b>	24	x 27 1/2 ✓
" " Are Frame and Reversed Frame joggled?	Yes	✓	<b>Bridge Deck, Angle, [ or ]</b> NBS	9	3 1/2 39 ✓
<b>Bracket Floors, breadth and thickness at middle line</b>	9.6	x 38 ✓	<b>Spacing</b>	27 1/2	✓
" " breadth and thickness at margin plate	2.6	x 38 ✓	<b>Forecastle Deck, Angle, [ or ]</b>	12	3 1/2 50 ✓
			<b>Spacing</b>	10	3 1/2 48 ✓
				54	x 48 ✓



# 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.
<b>PILLARS, No. of Rows.....</b>		1		✓				
" in 'tween Decks, Size and Spacing.....	2 3/4 dia 2 ft space			✓				
" " " " " " " "	and under timbers			✓				
" " " " " " " "	services as reqd			✓				
" in Holds " " " "	Centre Line Bulkhead			✓				
" " " " " " " "	" " " " " " " "			✓				
<b>Centre Line Bulkhead.</b>								
Stiffeners and Spacing.....	N.B.S. [ 4 3 38			as appd ✓				
Plating, thickness of .....	30			✓				
<b>STRINGERS AND DECKS.</b>								
<b>Uppermost Continuous Deck.</b>								
Stringer Plate, breadth and thickness in Wells	55 x .70			and as appd ✓				
" " " " " in way of Bridge	55 .38			✓				
" Angle in Wells .....	6 6 .91			✓				
Thickness of Plating abreast Deck openings in way of Wells .....	.68 x .64			and as appd ✓				
Thickness of Plating abreast Deck openings in way of Bridge .....	.34 " " "			✓				
Thickness of Plating within line of openings...	.32 x .34			✓				
If Sheathed, material and thickness .....	No			✓				
<b>Second Deck.</b>								
Stringer Plate, breadth and thickness in Wells...	✓							
Stringer Plate, breadth and thickness in way of Bridge .....								
Thickness of Plating abreast Deck openings in way of Wells .....								
Thickness of Plating abreast Deck openings in way of Bridge .....								
Thickness of Plating within line of openings...								
If Sheathed, material and thickness .....								
<b>Third Deck.</b>								
Stringer Plate, breadth and thickness.....								
If Plated, state thickness.....								
<b>Fourth Deck.</b>								
Stringer Plate, breadth and thickness.....								
If Plated, state thickness .....								
<b>Poop Deck.</b>								
Stringer Plate, breadth and thickness .....	As plan .34			✓				
Plating, Sheathing, material and thickness ...	.30 not sheathed			✓				
<b>Bridge Deck.</b>								
Stringer Plate, breadth and thickness.....	7 1/2 x .50			✓				
Plating, Sheathing, material and thickness ...	.44 x .36			not sheathed in accommodation				
<b>Forecastle Deck.</b>								
Stringer Plate, breadth and thickness .....	As plan .34			✓				
Plating, Sheathing, material and thickness ...	.30 Sheathed with 5x3 R.P.			✓				

## SHELL PLATING.

SCANTLINGS.						RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>Yes</i>			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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 .....	49	.75	.66	.66	✓	Double	7/8	3 1/16	✓	4	1	4	Lapped	✓
„ DBLG. (if any)	-	-	-	-										
BOTTOM PLATING, No. } of Strakes .....4.....	✓	.58	.46	.46	✓	Double	7/8	3 1/16	✓	3	7/8	3 3/8	Lapped	✓
BILGE PLATING, No. of } Strakes .....2.....	✓	.58	.46	.46	✓	Double	7/8	3 1/16	✓	3	7/8	3 3/8	Lapped	✓
SIDE PLATING, No. of } Strakes .....3.....		.58	.44	.44	✓	Double	7/8	3 1/16	✓	3	7/8	3 3/8	Lapped	✓
UPPER DECK, Sheer- strake in Wells.....	50	.68 and .70	as appd		✓	Double	7/8	3 1/16	✓	4 & 3	7/8	3 3/8 & 3 3/8	Lapped	✓
UPPER DECK, Sheer- strake in Bridge ...	50	.58	.44	.44	✓	Double	7/8	3 1/16	✓	3 & 4 (may Be appd at End)	7/8	3 3/8 & 3 3/8	Lapped	✓
STRAKE BELOW Sheer- strake in Wells.....	50	.62 & .56	as appd		✓	Double	7/8	3 1/16	✓	3	7/8	3 3/8	Lapped	✓
STRAKE BELOW Sheer- strake in Bridge ...	50	.58	.44	.44	✓	Double	7/8	3 1/16	✓	3	7/8	3 3/8	Lapped	✓
POOP SIDE PLATING .....			.38		✓	Single	3/4	3	✓	1	3/4	2 3/8	Lapped	✓
BRIDGE SIDE PLATING ...		.60			✓	Double	7/8	3 1/16	✓	4	7/8	3 1/2	Lapped	✓
FORECASTLE SIDE PLATING			.40		✓	Single	3/4	3	✓	1	3/4	2 3/8	Lapped	✓

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	6 ✓
Extending to Upper Deck (Sec. 3 c).....	6 ✓
" Deck next below.....	✓
As per Rule.....	6 ✓

## STIFFENERS.

	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Upper tween decks</b>	✓				
" " Second "	✓				
" " Third "	✓	N.B.S. L			
" " Holds .....		.46 6 x 26	12 x 3 1/2	.42 L 30	
<b>COLLISION</b> (in Hold) .....		.26 3 x 34 L	24	8 1/2 x 3 1/2	42 L
<b>AFTER PEAK</b> " .....		.46 6 x 30	5 x 3 x 35 L	24	SEMI BOX BR. RECESS TOP

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> .....	Flat	Plate Keel.		✓
<b>STEM</b> .....	Rolled Stl Bar	9 x 2 1/2	J. S. Tomkinson & Co	✓
<b>STERN FRAME</b> { Propeller Post .....	Forging	10 1/2 x 7 1/4	Central Marine Engine Works	✓
{ Rudder " .....		9 x 7 1/4		✓
<b>RUDDER—A x D.....</b>		502 x 79		✓
<b>Speed of Vessel.....</b>	(10)			
<b>RUDDER</b> mainpiece at head ...	Forging	10" dia	Central Marine Engine Works	✓
" " heel ...		7 1/2"		✓
" how constructed .....		FORGED AND BUILT		✓
" double or single plate		SINGLE		✓
" coupling, vertical or horizontal .....		VERTICAL		✓

<b>STEEL.</b>	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	Plates - South Durham.
	Angles - Dorman Long & Co. Peace & Partners
	Has the Steel been tested as required by the Rules? yes.

Open search process

Lloyd's Register Foundation



EQUIPMENT No. 34524												LETTER Y		ANCHORS.	
Number of Certificate.	Anchor.	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.			
29463	1st Bower ...	60	2	14	✓	✓	✓	48	15	0	0	60	✓ Byer's Improved Stockless	per W.L. Byers	Sld. 26.5.26 W.H. Liebrecht.
29444	2nd „ ...	60	2	0	✓	✓	✓	48	12	2	0	60	✓ do do do	do	Sld. 7.5.26 J.H. Butler.
29423	3rd „ ...	51	0	0	✓	✓	✓	43	0	0	0	50½	✓ do do do	do	Sld. 30.4.26 J.H. Butler
	Collective weight.	172	0	14								170½	✓		
41,658	Stream .....	16	1	0	4	1	7	17	11	3	14	16¼	✓ Rodger's Forged Mt Iron.	R. Sykes & Son Ltd	Cradley Heath 19.2.26 LC Paul.

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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.	Length.					Cir.	Fathoms.		Cir.	Fathoms.	Cir.
38788	270	2 <sup>3</sup> / <sub>16</sub>	86 <sup>1</sup> / <sub>2</sub>	120 <sup>1</sup> / <sub>2</sub>	645.3.0	645 <sup>3</sup> / <sub>4</sub>		270	2 <sup>3</sup> / <sub>16</sub>	✓ Stud	RSykes and Son Ltd	Cradley Heath	TOWLINE...	120	4 <sup>1</sup> / <sub>4</sub>	65.5	120	4 <sup>1</sup> / <sub>4</sub>	
Iron Stream Chain or Steel Wire	90	Cir. 4 <sup>3</sup> / <sub>4</sub>	65.5					90	4 <sup>3</sup> / <sub>4</sub>	✓ Extra Flap		23.2.26 LC Paul.	HAWSERS & WARPS	90	2 <sup>3</sup> / <sub>4</sub>	15.5	90	2 <sup>3</sup> / <sub>4</sub>	
													"	90	2 <sup>3</sup> / <sub>4</sub>	15.5	90	2 <sup>3</sup> / <sub>4</sub>	
													"	90	2 <sup>3</sup> / <sub>4</sub>	12 <sup>1</sup> / <sub>2</sub>	90	2 <sup>3</sup> / <sub>4</sub>	
													"	90	2 <sup>3</sup> / <sub>4</sub>	12 <sup>1</sup> / <sub>2</sub>	90	2 <sup>3</sup> / <sub>4</sub>	

Steering Gear, Steam *Robt. Roger & Co Ltd* Steering Gear, Hand *Fitted and tried.*  
 2 @ 27'0" x 8'3" x 3'4½"  
 Boats 1 @ 18'0" x 5'6" x 2'4" Steering Chains, Size and Test *17/16 24.15.0-0* Windlass *Clarke Chapman & Co Ltd*  
*Marked L.P.H.S. 6535*

Ceiling in Holds, thickness and material *2½" N.W. under hatchways and over bales* Cargo Battens, thickness, material and spacing *6x2 N.W. spaced 12" as per Guner's specification under letter of 9 April 1924*

Cargo Hatchways. (Upper Deck) *Steel plates and angles as appd* Thickness of Hatches *3"*  
 Size of No. 1 Hatchway (Forward) *27'6" x 20'* No. 2 *27'6" x 20'* No. 3 *16'0½" x 20'* No. 4 *27'6" x 20'* No. 5 *27'6" x 20'* No. 6 *16'0½" x 20'*  
 Number of Shifting Beams and/or Fore and Afters *No. 1. 4, No. 2. 4, No. 3. 2, No. 4. 4, No. 5. 4, No. 6. 2*

FOR WILLIAM GRAY & Co., LIMITED.

Builder's Signature *A.M. Haskau* Director.

GENERAL DECLARATION *This vessel has been built in accordance with the approved plans, the Secretary's letters and the Rules.*  
*The materials and workmanship are good.*  
*The double bottom tanks and fore and after peak tanks have been tested under the Rule pressure and found satisfactory.*  
*The weather decks, watertight bulkheads, tunnel and watertight doors have been satisfactorily tested.*  
*The watertight doors, hand pump, windlass, steering gears have been examined and tried under working conditions and found satisfactory.*  
*The freeboards have been cut in on the vessel's sides and verified.*  
*The vessel is fitted with wireless and Electric light.*  
*The boiler room d.b. tank is to be used as a dry tank. The short ventilators have been removed and the openings plated over and the tank tested.*  
*Its length 18'4" is included in the length of double bottom & its capacity 73 tons is omitted.*

The amount of Entry Fee ..... £ *8 : 0 : 0* Fees applied for, *1 July 1926.*  
 Special Survey Fee .... £ *318 : 8 : 0* Received by me, *AD*  
*Freeboard* *10 : 0 : 0* *3. 7. 1926*  
 Travelling Expenses, if any £ : : *Ed*

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

State whether the Vessel has been built under Special Survey *yes.*

Signature

*A. Pickworth.*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *W. Hartlepool* Date of issue *13/7/26*

Committee's Minute

**FRI. 9 JUL 1926**

Character assigned

*100 A.1.*

*+ L.M.C. 6.26*

*Lloyd's A.L.P.*

*C.L.*

*AD*



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 the Plans should be embodied.)

No Sister vessel.

### List of Plans

Midship Section

Profile.

Lapside plating and decks

Bottom Strengthening forward

Rudder and Screw Frame

Rudder Coupling

Port Plan of Tunnel

Starb Side Bracket connections

Fore Peak, Afterpeak and Stakehold bulkheads

Bulkheads and pillars in machinery space

Pumping Arrangement

Forging report on Rudder and Sternframe.

Note. Please return the above plans for use in dealing with sister vessels.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	38.2.0	H.B.	2732	27.4.26
	2nd "	39.0.14	K.H.	3752	26.2.26
	3rd "	32.2.21	K.H.	3762	23.2.26

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 29.62 ft., R.Q.D. ✓ ft., Bridge 220 ft., Forecastle 4 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 DK (stl)

Official No. 139.238 ; Signal Letters Is bottom of Vessel coated with cement yes  
particulars of composition ✓

### PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.
	Feet.	Tons.		Feet.
Double bottom, aft,	130.62	366	Fore peak tank,	21.5
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	22.0
Double bottom, if under Engines only,	27.5	112	Deep tank, aft,	✓
Double bottom, if under Boilers only, DRY TANK (see Report)	18.33	✓	Deep tank, forward,	✓
Double bottom, forward,	168.54	563	Other tanks, if fitted,	✓
	Total capacity of double bottom	1041	(If necessary, furnish further information by sketch.)	
	* The wells are not to be included in the lengths of the tanks.			
	344.99			

Order for Special Survey No. 2321  
Date 20 Nov 1925.  
Dates of Surveys held while building { 1925. Dec 2. 3. 4. 10. 14. 17. 18. 21. 23. 27. 30. 1926. Jan 4. 6. 12. 15. 20. 27. Feb 2. 4. 8. 11. 14. 15. 16. 22. 23. 27. 30. Mar 1. 3. 8. 10. 12. 15. 17. 19. 22. 24. 26. 29. Apr 8. 14. 15. 16. 22. 23. 27. 30. May 12. 14. 20. 27. June 3. 8. 9. 10. 15. 16. 18. 21. 22. 24.

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