

23.7%
STEEL STEAMER or MOTORSHIP.

Received at London Office 28 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 23rd July 1926 Port of West Hartlepool No. 16423
Survey held at West Hartlepool Date First Survey 17th September/25 Last Survey 22nd July 1926
On the (State if Machinery fitted with and if Single, Twin or Triple Screw) Single Screw Steamer "OTTERPOOL" Machinery Amidships.
State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling. State Type of Erections P, B, & F.

TONNAGE under 4636.65
Tonnage Deck...Do. of space or spaces
between Tonnage Dk.
and Upper Dk.

Total

Gross Tonnage 4866.68

Register Tonnage 2999.26

REGISTERED DIMENSIONS.
FEET.

Length 390.00

Breadth 55.00

Depth 28.50

CLASS 100 A-1

State if with freeboard
as condition of Class

FEET.

Length from fore part of stem to after part of stern
post on summer L.W.L. See Sec. 3 (1a) L 390

Breadth (greatest moulded) B 54.79

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

1st Longitudinal Number (L x D) = 11212.50

2nd Numeral L x (B + D) = 32580.6

Framing Depth "d," at middle of length. See
Sec. 3 (1d) 25.32Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel 13.56
Do. Long Bridge to top
of keel 10.76

Draught Moulded 24.13/4

Built at West Hartlepool

Launched 28th June '26 Yard No. 980

Builders Wm Gray & Co Ltd.

Owners The Pool Shipping Co Ltd.

Managers

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

Residence

Port of Registry West Hartlepool

If surveyed while building, afloat, or in dry dock

Whilst building and 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.
FRAMES, Spacing amidships	27 1/2		Bracket Floors, Frame L N.B.S.	9 3/4 43	
" " from 1/2 length to Collision bulkhead	27		" " Reversed Frame L	8 1/2 3 47	
" " in peaks	24		" " Vertical Struts L	8 1/2 3 47	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	4 1/2 x 51	
Frame Amidships, Angle, [or]	12 x 3 1/2 x 3 1/2 60	54 57 See London 60 letter 20/11/25	" " top Angles	3 1/2 3 1/2 45	
" " Extends up to	Upper deck		" " bottom Angles	4 4 55	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	One	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	36 49	
Depth of Framing Girder	12		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 41	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	7 3 1/2 34	on alternate frame stations except 4 frame spaces at each end which are scantled as approved	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	6 6 41	
" " Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft 1/2 len. from stem	27 1/2 27 1/2 38	on every frame
" " Third " " " "			" " Gussets, spacing and scantling forward 1/2 len. from stem	27 27 38	on every frame and connections increased
Framing in Peaks, Angle, [or]	7 1/2 3 34		Tank Side Brackets, height above base line at toe of Frame and thickness	5 2 1/2	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	7/8 7 dia		INNER BOTTOM PLATING.		
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake	49 1/2 49	
PANTING ARRANGEMENTS (Sec. 4), state system and particulars	Channel frames 15 x 4 x 4 x 60 with a reverse angle 4 x 4 x 60 on every chord 4 side stringers. Beam knees margin connection & gussets increased as per Rule		Thickness of remainder in Holds	41	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	Additional intercostals and double riveted frame bottoms as per Rule		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	10 1/2 3 1/2 59	
Height of Brackets at side above base line at toe of frame			" " in Wells, Angle, [or]	10 1/2 3 1/2 50	
Middle Line Keelson, on Floors, Angles, [or]			" " in way of Bridge, Angle, [or]	27 8 27 1/2	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, [or]		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or]		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	7 1/2 3 40	
Solid Floors, thickness and spacing	38 at 82 1/2		Spacing	24 8 27 1/2	
" " Are Frame and Reversed Frame joggled?	Yes		Bridge Deck, Angle, [or] N.B.S.	9 3 1/2 39	
Bracket Floors, breadth and thickness at middle line	3' 6 x 38		Spacing	27 1/2	
" " breadth and thickness at margin plate	2' 6 x 38		Forecastle Deck, Angle, [or]	12 x 3 1/2 50 10 x 3 1/2 48	10 x 3 x 48
			Spacing	54 8 48	

PILLARS AND DECKS.

		INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.		
PILLARS, No. of Rows.....		1					
" in 'tween Decks, Size and Spacing.....		2 3/4" dia 2 frame spaces and under windlass & winches as required					
" " " " "							
" in Holds " "		Centre Line Bulkhead					
" " " " "							
Centre Line Bulkhead.							
Stiffeners and Spacing.....		[N.B.S. 12 3 1/2 70 } all as approved plan [N.B.S. 7 3 38 }					
Plating, thickness of		2 frame spaces apart 30					
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells		55 x 70 and as appd					
" " " " in way of Bridge		55 x 38 " " "					
" Angle in Wells		6 6 91					
Thickness of Plating abreast Deck openings in way of Wells		68 & 64 and as appd					
Thickness of Plating abreast Deck openings in way of Bridge		34 " " "					
Thickness of Plating within line of openings...		32 & 34					
If Sheathed, material and thickness		No					
Second Deck.							
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							
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		As plan 34					
Plating, Sheathing, material and thickness ...		30 not sheathed					
Bridge Deck.							
Stringer Plate, breadth and thickness.....		7 1/2 x 50					
Plating, Sheathing, material and thickness ...		44 & 36 not sheathed except in way of accommodation					
Forecastle Deck.							
Stringer Plate, breadth and thickness.....		As plan 34					
Plating, Sheathing, material and thickness ...		30 Sheathed 5 x 3 P.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 joggled?	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.			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 & 70	and as appd			Double	7/8	3 1/16	4 & 3	7/8	3 1/2 & 3 3/8	Lapped	
UPPER DECK, Sheer- } strake in Bridge ... }	50	58	44	44		Double	7/8	3 1/16	3 & 4 ^{on way} _{base}	7/8	3 3/8 & 3 1/2	Lapped.	
STRAKE BELOW Sheer- } strake in Wells..... }	50	62 & 56	and 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 5/8	Lapped	
BRIDGE SIDE PLATING ...		60				Double	7/8	3 1/16	4	7/8	3 1/2	Lapped	
FOREC'TLE SIDE PLATING			40			Single	3/4	3	1	3/4	2 5/8	Lapped	

WATERTIGHT BULKHEADS.

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

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		Flat Plate Keel		
STEM	Rolled Steel Bar	9 x 2½	per J. S. Tomkinson & Co	
STERN FRAME { Propeller Post	Forging	10½ x 7¼	Central Marine Engine Works	
{ Rudder "		9 x 7¼		
RUDDER—A x D		502.79		
Speed of Vessel		Not Exceeding 10 Knots.		
RUDDER mainpiece at head ...	Forging	10"	Central Marine Engine Works	
" " heel ...		7½"		
" how constructed		Forged and Built.		
" double or single plate		Single		
" coupling, vertical or horizontal		Vertical.		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) OPEN HEARTH PROCESS
PLATES :- South Durham
ANGLES :- Dotman Long & Co Price and Partners Cargo Fleet Iron Co
 Has the Steel been tested as required by the Rules? Yes

28 JUL 1926

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.
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	owts.	qrs.	lbs.	Owts.				
29478	1st Bower	60	1	14				48	12	2	0	60		Byers Improved Stockless	per M.L. Byers	Sld. 2.6.1926 J.H. Butler
29469	2nd "	60	0	0				48	7	2	0	60		do	do	Sld 29.5.26 J.H. Butler.
29492	3rd "	50	2	0				42	13	3	0	50½		do	do	Sld 17.6.26 J.H. Butler.
	Collective weight.	170	3	14								170½				
41684	Stream	16	1	12	4	0	16	17	14	0	7	16½		Rodgers Forged Iron	R Sykes & Son	Cradley Heath 27.2.26 L.C. 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.	
	Fathoms.	Ins.	Tons.	Tons.	Owts.	qrs.	lbs.	Owts.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
38863	270	2½	86½	120½	645	3	21	645	¾	Stud	R Sykes & Son	Cradley Heath 27.2.26 SC Bul	TOWLINE	120	4¾	65½	120	4¾
													HAWSERS & WARPS	2@90	2½	12.5	2@90	2½
														2@90	2½	15.5	2@90	2½
														2@90	7"	Manila		Owners
														2@90	8"	Manila		Extras
Iron Stream Chain or Steel Wire	90	4¾			65.5		Extra Flex		90	4¾								

Steering Gear, Steam Robert Roger and Co Ltd

Steering Gear, Hand

Fitted and tried

Two at 27' x 8.3 x 3.4½

Boats One at 18' x 5.6 x 2.4

Steering Chains, Size and Test

17/6 24.15.0.0

Windlass Clarke Chapman & Co Ltd

Ceiling in Holds, thickness and material 2½ W.W. under hatchways and over bilges

Cargo Battens, thickness, material and spacing 6 x 2 W.W. Spaced 12" as per Owner's Specification & London Letter 9.4.24

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. Glashan

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, steering gears, and windlass have been examined and tried under working conditions and found satisfactory.

The freeboards have been cut in on the vessel's sides & verified. The vessel is fitted with wireless and Electric Light.

The boiler room d.b. tank is to be used as a dry tank and has been tested. Its length 18'4" is included in the length of d.b. & its capacity 73 tons is omitted (see form 71b)

The amount of Entry Fee £ 8 : 0 : 0

Fees applied for,

Special Survey Fee £ 318 : 7 : 0

Freeboard Fee 10 : 0 : 0

Travelling Expenses, if any £ : : :

Received by me,

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 WEST HARTLEPOOL

Date of issue 12/8/26

Committee's Minute

FRI. 30 JUL 1926

Character assigned

100 A.1

Lloyd's A.S.C.P.

+ L.M.C. 7.26

C.H.



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Lloyd's Register Foundation

W350-0061 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.)

S/s "Firby" West Hpl. Rpt. No 16414

List of Plans

Midship Section
Profile
Topside plating and decks.
Bottom Strengthening forward.
Rudder and Screw Frame
Rudder Coupling
Part plan of tunnel.
Tank side bracket connections
Fore Peak, After Peak & Stokelold Bulkheads.
Bunkers and pillars in machinery space
Pumping Arrangements

Forging report on Rudder and Sternframe.

The above plans should be returned to this Office for use in dealing with sister vessels. They were forwarded with report on S/s Firby and have not been returned.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	38 · 0 · 14	H.B.	2716	27 · 4 · 26
	2nd "	38 · 0 · 0	H.B.	2739	29 · 5 · 26
	3rd "	31 · 3 · 21	K.H.	3801	30 · 3 · 26

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 29.62 ft., R.Q.D. ft., Bridge 220.0 ft., Forecastle 40.25 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. 139239; Signal Letters Is bottom of Vessel coated with cement yes if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	130.62	366	Fore peak tank,	21.5	180
Double bottom, under Engines and Boilers,			After peak tank,	22.0	179
Double bottom, if under Engines only,	27.50	112	Deep tank, aft,		
Double bottom, if under Boilers only, DRY TANK but tested	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.

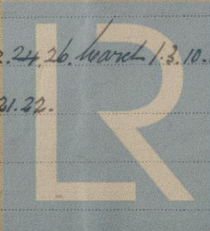
Order for Special Survey No 2322

Date

20th Nov 1925

Dates of Surveys held while building

1925. Dec. 17, 23, 24, 29, 30. Jan. 4, 6, 12, 15, 20, 27. Feb. 4, 10, 16, 22, 24, 26. March 1, 3, 10, 22, 17, 19, 22, 24, 26, 29, 31. April 8, 14, 15, 19. May 19, 27, 28. June 10, 15, 17, 18, 22, 24, 26, 29. July 8, 9, 13, 16, 20, 21, 22.



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Total No. of Visits 57.