

State if Report has been sent on the Foreboard of the Vessel Yes

State if Report is sent on the Machinery of the Vessel Yes

Date of completion of report February 1st 1937 Port of Sunderland.

No. 32024

Survey held at Sunderland Date First Survey 9th Sept. 1926 Last Survey 29th January 1937.

On the (State if Machinery fitted Aft or Fore) Single Screw Steamer "ARTHUR WRIGHT" Machinery aft

State Type (Full Scantling, Compound, or other) Hull Scantling

State Type of Erections R.D. or Bridge

TONNAGE under Tonnage Deck

782.47

CLASS + 100AL

State if with freeboard as condition of Class

No

Built at Sunderland

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 208.5

Launched Jan^y 11th 1927 Yard No. 236

Breadth (greatest moulded)

B 33.0

Builders Wm. Pickersgil & Sons Ltd

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

D 15.83

Owners The Mayor, Aldermen, and Burgesses of the County Borough of Brighton

Total

Gross Tonnage 1,090.9

Register Tonnage 621.64

1st Longitudinal Number (L x D) = 3,300

Managers Stephenson Clarke & Co. Ltd

2nd Numeral L x (B + D) = 10,180

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

REGISTERED DIMENSIONS. FEET.

Length 210.5

Breadth 33.2

Depth 14.0

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

9.58

Residence

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

13.33

Port of Registry Shoreham

Do. Long Bridge to top of keel

10.65

If surveyed while building, afloat, or in dry dock

Draught Moulded 14'-10 5/8"

Yes

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	24		Bracket Floors, Frame		
" " from 1/2 length to Collision bulkhead	24		" " Reversed Frame		
" " in peaks	22 1/2		" " Vertical Struts		
SIDE FRAMING.			Centre Girder, depth and thickness amidships	30" x 40.	
Frame Amidships, Angle, [or] N.B.S.	5 3 .36		" " top Angles	3 3 .35	
" " Extends up to	Upper 8"		" " bottom Angles	3 3 .34	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	5 3 .28 3/4	
" " Extends up to			Margin Plate, depth (excl. of flange) and thickness	50" x 43.	
Depth of Framing Girder	5		" " Vertical Angle to Tank side	3 3 .30	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]			" " Bracket abaft 1/2 len. from stem	3 3 .30	
" " Second 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side	3 3 .30	
" " Third " " " "			" " Bracket forward 1/2 len. from stem		
Framing in Peaks, Angle or [N.B.S.	5 3 .28		" " Gussets, spacing and scantling abaft 1/2 len. from stem		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	3/4 - 5/4		" " Gussets, spacing and scantling forward 1/2 len. from stem		
State if Frame Joggled	Yes		Tank Side Brackets, height above base line at toe of Frame and thickness	(75" + 20") x 33.	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	In Peak, two stringers 25" x 3 1/4 Beams 6 x 3 x 34 B.A. on alt. Shell 41. Holed frames 7 x 3 x 36 B.A. N.B.S. Shell 43. In Peak under each side 3' 6" apart Bottom shell 1 1/2" to Rule Position of Cells 12" x 30" Intermediate 7' 3 1/2" x 30"		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars			Breadth and thickness of Middle Line Strake	61" x 50.	
SINGLE BOTTOM, in way of B.P.			Thickness of remainder in Holds	.50	
Floors, Depth and thickness at mid-line in Holds	21" x 44		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	
Height of Brackets at side above base line at toe of frame	Revel		BEAMS.		
Middle Line Keelson, on Floors, Angles, [or]	4 3 1/2 .44		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	5 3 .42	
" " Through Plate or Intercoastal Plate	25" x 48		" " in way of Bridge, Angle, [or]	5 3 .42	
" " Foundation Plate on Floors	12" x 48		Spacing	Every	
" " Flat Plate Keel Angles	3 3 .46		K.O. Second Deck, amidships, Angle, [or]	5 3 .36	
Side Keelsons, No. each side	One		Spacing	Every	
" " thickness of Intercoastal Plate	.42		Third Deck, amidships, Angle, [or]		
" " Angles	5 3 .44		Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, [or]		
Solid Floors, thickness and spacing	.32 Every		Spacing		
" " Are Frame and Reversed Frame joggled?	Frame Yes Reversed No		Poop Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line			Spacing		
" " breadth and thickness at margin plate			Bridge Deck, Angle, [or] N.B.S.	5 3 .32	
			Spacing	Alternate	
			Forecastle Deck, Angle, [or] N.B.S.	5 1/2 3 .38	
			Spacing	alternate	

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.....	One 2 3/8 alternate		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	34 ✓	
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge	✓	
„ in Holds „ „	33" x 34" Cantilever plates every fourth frame.		Thickness of Plating within line of openings...	30 ✓	
„ „ „ „ „			If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	✓		If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	67 1/2" x .62	✓	If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	67 1/2" x .62	✓	Poop Deck.		
„ Angle in Wells	5 5 .51	✓	Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells62-.40	✓	Plating, Sheathing, material and thickness ..	✓	
Thickness of Plating abreast Deck openings in way of Bridge62	✓	Bridge Deck.		
Thickness of Plating within line of openings...	.30	✓	Stringer Plate, breadth and thickness.....	.28 ✓	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ..	.28 5" x 2 1/2" O.P. ✓	
R.Q. Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	66" x .34	✓	Stringer Plate, breadth and thickness.....	.34 ✓	
			Plating, Sheathing, material and thickness ..	.34 ✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	No.	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.	
FLAT PLATE KEEL	41	.49	.45	.45	/	Double	3/4	3	3	3/4	2 5/8	Scap.	/
„ DBLG. (if any)	✓					✓			✓				
BOTTOM PLATING, No. of Strakes	2	.41	.35	.35	/	Double	3/4	3	3	3/4	2 5/8	Scap	/
BILGE PLATING, No. of Strakes	1	.41	.35	.35	/	Double	3/4	3	3	3/4	2 5/8	Scap	/
SIDE PLATING, No. of Strakes	2	.41	.35	.35	/	Double	3/4	3	2	3/4	2 5/8	Scap.	/
UPPER DECK, Sheer- strake in Well.....	60"	.52	.36	.35	/	Double	7/8	3/4	3	7/8	3	Scap	/
UPPER DECK, Sheer- strake in Bridge	46"	.45	-	.36	/	Double	3/4	3	3	3/4	2 5/8	Scap.	/
STRAKE BELOW Sheer- strake in Wells.....	Combined with Sheerstrake				/								
STRAKE BELOW Sheer- strake in Bridge	60"	.41		.35	/	Double	3/4	3	3	3/4	2 5/8	Scap	/
POOP SIDE PLATING	✓												
BRIDGE SIDE PLATING29	/			Double	3/4	3	No Butts in Bridge				/
FORECASTLE SIDE PLATING			.29	/		Single	3/4	3	1	3/4	2 5/8	Scap.	/

WATERTIGHT BULKHEADS.

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

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM	Roller Steel	6 1/2 x 1 5/8	Wolansky	
STERN FRAME { Propeller Post	7 1/2 x 4 1/2	Steel		
{ Rudder „	Castings	6 x 4 1/2	C	
Speed of Vessel	Not exceeding 10 knots			
RUDDER—Type	Ordinary			
„ A x D	11 7/8 x 34			
„ Diam. of head	6"			
„ Mainpiece at top pintle	Forging	6 1/2 x 5	Y.S.	
„ „ heel		4 1/2 x 5	Holder	
„ how constructed	Single 3 1/2			
„ double or single plate	Bottom 28			
„ coupling, vertical or horizontal	Vertical			

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHD., Upper tween decks	✓				
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds		41-34	8 x 3 x 4 1/2	32 1/4	
COLLISION „ (in Hold)		40-34	7 x 3 x 5 1/2	24	Chamfered flat
AFTER PEAK „ „		50-31	5 x 3 x 3 1/2	24	3" stepped 2 f.s.

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	Open-Heart
	Consett Iron Co. Appleby, Tynesham, South Durham, Cargo Fleet, Dorman Long, Bluntyre	
	Has the Steel been tested as required by the Rules?	Yes

EQUIPMENT No 10.978										LETTER 'm'				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.				
36,648.	1st Bower ...	23	1	7	✓	✓		23	8	0	14		Byen Imp. S. 1868	✓	L.P.H.S. 27.11.36. J.H.B.	
36,647.	2nd " ...	23	1	0	✓	✓		23	6	1	0		" " "	✓	L.P.H.S. 30.9.36. J.H.B.	
36,649.	3rd " ...	20	2	14	✓	✓		21	5	3	21		" " "	✓	L.P.H.S. 27.11.36. J.H.B.	
	Collective weight.	67	0	21	✓	✓						66-3-0				
49,785	Stream	6	0	22	✓	2	10	8	10	0	0	6-0-0	Gordman	✓	L.P.H.C.H. 16.12.36. C.P.	

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.	Stat.	Break.	Supplied.	Per Rule.			Length.	Diam.				Length.	Cir.	Tons.	Length.	Cir.	
53,801.	210	1 7/8	37.22	55.72	226.0.21.	222.2.0.			210	1 7/8	Stud. wire	L.P.H.C.H. 11.12.36. C.P.	TOWLINE	90	3 1/4	21.7	90	3 1/4	
													HAWSERS & WARPS	62	2 1/2	13.2	90	2 1/4	
																	90	1 3/4	
Lean Stream (Steel Wire)	60	3 1/2	25.7						60	3 1/2									

Steering Gear, Steam *Messrs Donkin & Co* Steering Gear, Hand *Messrs Donkin & Co*
 Boats *Two 18ft Gullboats* Steering Chains, Size and Test *Telemotor gear* Windlass *Messrs Emerson Walker & Co*
 Ceiling in Holds, thickness and material *over hatches only 3" W.P.* Cargo Battens, thickness, material and spacing *None*
 Cargo Hatchways.—(Upper Deck) *Steel plates and angle 'Keith'* Thickness of Hatches *3"*
 Size of No. 1 Hatchway (Forward) *48' 6" x 21' 6" No. 2 50' 0" x 21' 6" No. 3* No. 4 No. 5 No. 6
 Number of Shifting Beams *and Fore and Afters No. 1-7. No. 2-7.*

FOR WM. PICKERSGILL & SONS, LIMITED.

Builder's Signature

Wm. J. Pickersgill
Chairman & Managing 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 *No*
 (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.

This vessel has been constructed in accordance with the approved plans, the Secretary's letter and the Society's Rules.
The materials and workmanship are good.
The freeboards have been verified and cut in on the vessel's sides.
The double bottom tanks and peak tanks have been tested as required by the Society's Rules, and found in order.
The decks, bulkheads and Grand pump have been tested as required by the Rules and found in order.
The windlass and steering gear have been tried under steam and the Grand gear tried.
Forging certificates enclosed: Sternframe, Rudder, Quadrant, Liller.

Sister vessel:— S.S. "Henry Moon" Sld. Rpt. No. 31989.

The amount of Entry Fee £ 5 : : : Fees applied for, *3 FEB 1937* (Special notations, where part of class, to be stated.)
 Special Survey Fee £/09: 2 : : : Received by me, *5.4 1937*
Freeboard £10 : : : I am of opinion the Vessel should be Classed *+100A1*
 Travelling Expenses, if any £ : : :

State whether the Vessel has been built under Special Survey *Yes* Signature *Colin Bartlett*
 Certificate to be sent to *SUNDERLAND* Date of issue *6/4/37* Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned

+ 100A1
Lloyd's A & C.P. *+ Linc 1.37*

F.D. CL. Spt.

Wice G.

Ames



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.)

no cargo battens

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

Including pen

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

1st Bower	16-0-21. g. D. 1161. 25.8.36.
2nd "	16-1-14. g. D. 1120. 16.7.36.
3rd "	13-2-14 g. D. 782. 1.8.35.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. 119.6 ft., Bridge 11.3 ft., Forecastle 18.6 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks 105 (STL)

Official No. 164,887 : Signal Letters

Is bottom of vessel coated with cement in way of Boiler room if not give

particulars of composition elsewhere cement fillets.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,	18.6	102.
Double bottom, under Engines and Boilers,	✓		After peak tank,	9.4	32.
Double bottom, if under Engines only,	18.0	18	Deep tank, aft,		
Double bottom, if under Boilers only,	✓		Deep tank, forward,		
Double bottom, forward,	142.0	340.	Other tanks, if fitted,		
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 5824

Date 14.7.36

Dates of Surveys held while building

1936. Sep. 9. 14. 15. 23. Oct. 8. 14. 15. 20. 21. 23. 29. Nov. 3. 5. 6. 10. 11. 13. 16. 18. 20. 24. 25. 26.
Dec. 8. 11. 17. 21. 22. 23. 29. 31. 1937. Jan. 6. 11. 28. 29.



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Total No. of Visits 35

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