

STEEL STEAMER or MOTORSHIP.

Received at London Office

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

Port of

WEST HARTLEPOOL

No.

16478

Survey held at

WEST HARTLEPOOL

Date First Survey

15th February 1921

Last Survey

22nd April

1921

On the

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

Single Screw Steamer

ARABISTAN

Mkly amidships

State Type

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

Full Scantling

State Type of Erections

P.B. & F.

TONNAGE under
Tonnage Deck

4814.09

CLASS

100 A.1.

State if with freeboard
as condition of Class

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 400.00

Breadth (greatest moulded)

B 53.29

Total

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

D 29.62

Gross Tonnage

5235.51

Register Tonnage

3201.45

1st Longitudinal Number (L x D)

= 11848

2nd Numeral L x (B + D)

= 33164

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

17.58

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

13.50

Do. Long Bridge to top
of keel

10.77

Draught Moulded

23.104

Launched

3rd March 1921

Yard No.

982.

Builders

Messrs W. Gray & Co Ltd

Owners

Messrs F. C. Strick & Co

Managers

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

Residence 11/21 Leadenhall St London E.C.

Port of Registry

London.

If surveyed while building, afloat, or in dry dock

Whilst 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	27½				Bracket Floors, Frame	BA's	9	3½	45
" " from ½ length to Collision bulkhead	27				" " Reversed Frame	BA's	8½	3	49
" " in peaks	24				" " Vertical Struts	BA	8½	3	49
DE FRAMING.					Centre Girder, depth and thickness amidships		42	x	52
Frame Amidships, Angle, E or L	9	3½	56		" " top Angles	Double	3½	3½	52 3½ x 3½ x 50
" " Extends up to	Second deck				" " bottom Angles	Double	4	4	56
Reversed Frame Amidships, Angle	None				Side Girders, No. each side and thickness		6		38
" " Extends up to	✓				Margin Plate depth (excl. of flange) and thickness		32½	x	50
Depth of Framing Girder	9				" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem		3½	3½	42
Frames in Uppermost Continuous 'tween Decks, Angle, E or L	7	3½	36		" " Vertical Angle to Tank side Bracket forward ¼ len. from stem		3½	3½	42
" " Second 'tween Decks, Angle, E or L	✓				" " Gussets, spacing and scantling abaft ¼ len. from stem		27½ x 27½	x 38	on every frame at paneling frames
" " Third " " " "	✓				" " Gussets, spacing and scantling forward ¼ len. from stem		27 x 27	x 38	do do do
Framing in Peaks, Angle or L	7	3½	49		Tank Side Brackets, height above base line at toe of Frame and thickness		5	3½	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	1/8	7 dia	5½ dia in way of peaks, deep tank & bottom head & paneling frames.		INNER BOTTOM PLATING.				
State if Frame Joggled	No				Breadth and thickness of Middle Line Strake		50	x	50
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	(Frames 12 x 4 x 66 Channels on every frame to second deck from 150 to 166 inclusive. Side Stringer face angles 6 x 32 x 41 with 41 intercostal plates Tank side gussets & angles increased as ap- proved. Intercostals & riveting as per approved sketch. Frame bottoms 5 x 5 x 42 Ls Rivets spaced 5½ dia. clws shell and 6½ dia. clws floors 2 complete rows.				Thickness of remainder in Holds		42		
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars					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.		
ANGLE BOTTOM.					BEAMS.				
Floors, Depth and thickness at mid-line in Holds	✓				Uppermost Continuous Deck, amidships in Wells, Angle, E or L		9	3½	53 N.B.S.
Height of Brackets at side above base line at toe of frame	✓				" " in way of Bridge, Angle, E or L		10	3½	49 N.B.S.
Middle Line Keelson, on Floors, Angles, E or L	✓				Spacing		27½		
" " Through Plate or Intercostal Plate	✓				Second Deck, amidships, Angle, E or L	N.B.S.	10	3½	56
" " Foundation Plate on Floors	✓				Spacing		27½		
" " Flat Plate Keel Angles	✓				Third Deck, amidships, Angle, E or L		✓		
Side Keelsons, No. each side	✓				Spacing		✓		
" " thickness of Intercostal Plate	✓				Fourth Deck, amidships, Angle, E or L		✓		
" " Angles	✓				Spacing		✓		
DOUBLE BOTTOM.					Poop Deck, Angle, E or L	N.B.S.	7 x 3	x 34	
Solid Floors, thickness and spacing	38 @ 55				Spacing		6	3	47
" " Are Frame and Reversed Frame joggled?	Yes				Bridge Deck, Angle, E or L	N.B.S.	8	3½	53
Bracket Floors, breadth and thickness at middle line	39 x 38				Spacing		27½		
" " breadth and thickness at margin plate	36 x 38				Forecastle Deck, Angle, E or L	N.B.S.	9	3½	46
					Spacing		11	3½	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.
PILLARS, No. of Rows.....				One at Hatchway Corner	Stringer Plate, breadth and thickness in way of Bridge	7 1/2	x	36	
" in 'tween Decks, Size and Spacing.....	2 7/8, 3 7/8, 5" 4 1/4			as app'd on alt. frames & hatch corners	Thickness of Plating abreast Deck openings in way of Wells	35			
" " " " "					Thickness of Plating abreast Deck openings in way of Bridge	32	50	32	
" in Holds " "	6", 6 1/2 to 3 7/8			as app'd on alternate frames and double channel pillars as approved at Hatch ends	Thickness of Plating within line of openings.....	30	4	32	
" " " " "	8 1/2 x 5 1/2 x 3 1/2 x 48			9 10 x 40 for plate	If Sheathed, material and thickness	37			on deep tank top
Centre Line Bulkhead.					Third Deck.				Not Sheathed
Stiffeners and Spacing.....	10 x 3 1/2 x 3 1/2 x 48			9 11 x 42 do do	Stringer Plate, breadth and thickness.....				
Plating, thickness of	10 x 3 1/2 x 3 1/2 x 50			9 11 x 48 do	If Plated, state thickness.....				
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....				
Stringer Plate, breadth and thickness in Wells	7 1/2	x	84		If Plated, state thickness				
" " " " in way of Bridge	7 1/2	x	38		Poop Deck.				
" Angle in Wells	6	6	90		Stringer Plate, breadth and thickness	34			Breadth as per plan app'd
Thickness of Plating abreast Deck openings in way of Wells		62			Plating, Sheathing, material and thickness	30			not sheathed
Thickness of Plating abreast Deck openings in way of Bridge		35			Bridge Deck.				
Thickness of Plating within line of openings...	33	38	42		Stringer Plate, breadth and thickness.....	70	x	42	
If Sheathed, material and thickness	Not sheathed				Plating, Sheathing, material and thickness	36	42	48	64 not sheathed
Second Deck.					Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells...	7 1/2	x	38		Stringer Plate, breadth and thickness.....	34	x	34	
					Plating, Sheathing, material and thickness	30			Sheathed with 5" 3 PL

SHELL PLATING.

SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		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	77	68	68	✓	Double	7/8	3 1/16	4 R to 3 R	1	4	LAPPED
„ DBLG. (if any)		✓										
BOTTOM PLATING, No. of Strakes ... 4	69	60	46	46	✓	Double	7/8	3 1/16	3 R	7/8	3 3/8	LAPPED
BILGE PLATING, No. of Strakes 1	69	60	46	46	✓	Double	7/8	3 1/16	3 R	7/8	3 3/8	LAPPED.
SIDE PLATING, No. of Strakes 3	69	60	44	44	✓	Double	7/8	3 1/16	3 R	7/8	3 3/8	LAPPED.
UPPER DECK, Sheer- strake in Wells.....	69	88	44	44	✓	Double	7/8	3 1/16	5 R to 4 R	1 1/2	4	LAPPED
UPPER DECK, Sheer- strake in Bridge ...	69	60	44	44	✓	Double.	7/8	3 1/16	3 R to 5 R	1 3/8	4 1/2	LAPPED
STRAKE BELOW Sheer- strake in Wells.....	69	72	44	44	✓	Double	7/8	3 1/16	4 R to 3 R	1 7/8	4 3/8	LAPPED
STRAKE BELOW Sheer- strake in Bridge ...)	69	60	44	44	✓	Double	7/8	3 1/16	3 R to 4 R	1	3 1/2 - 4	LAPPED
POOP SIDE PLATING				38	✓	Single	3/4	3	1 R	3/4	2 5/8	LAPPED
BRIDGE SIDE PLATING ...		57			✓	Double	7/8	3 1/16	4 R	7/8	3 1/2	LAPPED
FOREC'TLE SIDE PLATING			40		✓	Single	3/4	3	1 R	3/4	2 5/8	LAPPED

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	✓ 7
Extending to Upper Deck (Sec. 3 c).....	✓ 6
„ Deck next below.....	✓ 7
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 Bars	9½ x 2½	San Francisco Steel Co ✓
STERN FRAME {	Propeller Post	Forging	10½ x 7½	Central Marine Engine works
	Rudder		9 x 7½	
RUDDER—A x D			559	
Speed of Vessel			11½ knots.	
RUDDER mainpiece at head ...			11	Central Marine Engine works
" " heel ...			8½	
" how constructed		Forged and Built		
" double or single plate		Single plate	1.02"	
" coupling, vertical or horizontal		Critical		

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 ÷ The South Durham Steel & Iron Co
Angles ÷ Dorman Long & Co Ltd. Cargo Fleet Iron Co. Pease & Partners.
 Has the Steel been tested as required by the Rules? *Yes*

EQUIPMENT No. 34658										LETTER Y	ANCHORS. 3B & 1S.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE				Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.			
29740	1st Bower ...	60	1	0	✓	✓		48	10	0	0	Byers Improved Steel	per W.L. Byers	Std 27.1.27 J.H. Butler
29736	2nd " ...	60	0	0	✓	✓		48	7	2	0	do do do	do	do 26.1.27 do
29738	3rd " ...	51	0	0	✓	✓		43	0	0	0	do do do	do	do 27.1.27 do.
	Collective weight.	171	1	0								170½		
59598	Stream	16	1	7	4	0	14	17	11	3	14	Ordinary	Earle & Dudley's Round Bal who	Tipton 11.5.26 W.A. Drysdale

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.					Cir.	Length.		Cir.		
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.				Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
60658	270½	2¾	86½	120½	650	0	12	645¾	270	2¾	Stud	Earle & Dudley's Round bar who	Tipton 12.5.26 W.A. Drysdale	TOWLINE...	120	4¾	65.5	120	4¾
Iron Stream Chain or Steel Wire }	90	Cir. 4¾	65.5 stat						90	Cir. 4¾	Galton & Galton		HAWSERS & WARPS	90	3	18.0	90	2¾	
													"	90	2¾	15.5	90	2¾	
													"	90	2¾	9.5			
													"	2 @ 90 2 @ 90	8 7	Manila do	2 @ 90 2 @ 90	8 7	

Steering Gear, Steam *Caldwell & Co* Horizontal 10"×10" Steering Gear, Hand *Fitted*
 2 at 26'0" × 8'0" × 3'3"
 2 at 24'0" × 7'6" × 3'0"
 Boats 1 at 16'0" × 5'0" × 2'0" Steering Chains, Size and Test *1¾ dia 29½ tons* Cert. Lead Walker. 4.5.27
 Windlass *Clark Chapman & Cold.* spaced 12" as specified by Bureau & approved.
 Ceiling in Holds, thickness and material *2½" N.W.* Cargo Battens, thickness, material and spacing *6 × 2 N.W.*
 Cargo Hatchways.—(Upper Deck) *Steel plates and Angles as appd* Thickness of Hatches *2½ to 3"*
 Size of No. 1 Hatchway (Forward) *29'3" × 20'0"* No. 2 *34'4½" × 20'* No. 3 *16'0½" × 20'0"* No. 4 *29'9½" × 20'0"* No. 5 *29'9½" × 20'0"* No. 6 *8'0" × 10'0"*
 Number of Shifting Beams and/or Fore and Afters No 1, 5, No 2, 6, No 3, 2, No 4, 5, No 5, 5, No 6, 1.
 For William Gray & Co., Limited.

Builder's Signature *Thos. S. Simpson* General Manager.

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, the deep tank, and the 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 hose 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 and verified.
 The vessel is fitted with wireless and Electric Light and is fitted for burning oil fuel which is to be carried in the double bottom tanks with the exception of No 5 tank.

The amount of Entry Fee £ 9 : 0 : 0 Fees applied for, 29.4.1927
 Special Survey Fee.... £ 330 : 18 : 0 Received by me, *W.P.*
Freeboard 11 : 0 : 0
 Travelling Expenses, if any £ ✓ : - : 4.5.27
 State whether the Vessel has been built under Special Survey *yes.* Signature *A. Pickworth*
 Certificate to be sent to *WEST HARTLEPOOL* Date of issue *13/5/27* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 6 MAY 1927*
 Character assigned *100A1*
Lloyds atcl
+ hmc 4.27 J.D. CL.
Fitted for oil fuel 4.27 J.P. above 150°F
My



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Lloyd's Register Foundation

W150-0207 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.)

No Sister vessel.

Plans now forwarded.

Midship Section

Profile and decks

Topside plating.

Bulkheads

Amended after peak bulkhead.

Plan of deep tank

Hatch and coamings

Bunker Plan

Stern frame and rudder

Hatch and beam knees

Upper & bridge decks in way of casing & upper dk. at bridge end.

Bottom stiffening forward

Connections at head & heels of Quarterpillars

Part Plan of Funnel

Freeing ports

Pumping Plan

Forging reports - Stern frame & Rudder, Stem Bars.

Particulars of Drop Test of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	37.2.0	H.B.	3050	28.12.26
	2nd "	39.0.0	H.B.	3073	28.12.26
	3rd "	31.2.0	H.B.	2834	18.7.26

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 30.5 ft., R.Q.D. — ft., Bridge 123.75 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) 2 Dks (stl.)

Official No. 149811 ; Signal Letters Is bottom of Vessel coated with cement Cement fillets if not give particulars of composition No 5 tank and all bilges cemented.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	130-7½	410	Fore peak tank,		122
Double bottom, under Engines and Boilers,			After peak tank,		33
Double bottom, if under Engines only,	22-11	99	Deep tank, aft,	36-8	990
Double bottom, if under Boilers only, DRY OR OIL FUEL	20-9½	76011=89 water	Deep tank, forward,		
Double bottom, forward,	175-4½	612	Other tanks, if fitted,		
	Total capacity of double bottom	1210	(If necessary, furnish further information by sketch.)		
	* The wells are not to be included in the lengths of the tanks.				

Order for Special Survey 2324

Date 28th January/26.

Dates of Surveys held while building

1926.
Feb. 15. 17. 18. 19. 22. 25. Mar. 2. 4. 5. 9. 11. 12. 16. 18. 30. Apr. 1. 7. 9. 13. 21. 23. 28. 29. 30. May. 5. 6. 7. 10. 11. 13. 14. 21. 26. June 1. 4. 7. 8. 17. 25. 28. 30.
July 1. 8. 12. 15. 16. 19. 27. Aug. 23. Dec. 15. 22. - 1927 Jan. 6. 10. 13. 14. 17. 18. 20. 21. 24. 25. 27. 28. Feb. 1. 3. 5. 7. 8. 10. 11. 14. 17. 22. 23. 24. 25. 28.
Mar. 2. 3. 4. 7. 8. 16. 18. 21. 22. 24. 25. 28. 29. 30. April 1. 4. 5. 6. 7. 8. 9. 13. 14. 19. 22.

Total No. of Visits 102