

STEEL STEAMER OR MOTORSHIP

Received at London Office 8 SEP 1939

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 *2nd Sept 1939.*Port of *West Hartlepool.*No. *17969.*Survey held at *West Hartlepool.*Date First Survey *24/1/39*Last Survey *1/9/1939*On the *(State if Machinery fitted Aft and if Single, Twin or Triple Screw)**"ATLANTIC"**Machinery amidships*State Type *(Full scantling, Complete Superstructure with or without Tonnage Opening)**Full scantling*

State Type of Erections

*P-B+F.*TONNAGE under Tonnage Deck... *4901.42*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 most on summer L.W.L. See Sec. 3 (1a) *L 410.0*Launched *18th July 1939* Yard No. *1094*

Total

Breadth (greatest moulded) *B 56.79*Builders *William Gray & Co. Ltd.*Gross Tonnage *5414.07*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 29.25*Owners *W. H. Cockerline & Co.*Register Tonnage *3244.90*1st Longitudinal Number (L x D) *= 11993*

Managers

*(Where necessary to be entered in Reg. Book.)*2nd Numeral L x (B + D) *= 35276*

Residence

REGISTERED DIMENSIONS.

FEET.

Length *413.35*Framing Depth "d," at middle of length. See Sec. 3 (1d) *25.75*Proportions—Depth to Length—Uppermost continuous deck to top of keel *14.02*Port of Registry *Hull.*Breadth *57.0*Do. Long Bridge to top of keel *11.01*

If surveyed while building, afloat, or in dry dock

Depth *27.0*Draught Moulded *24'-10"**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	24 1/2	✓	Bracket Floors, Frame	6 3 1/2 34	✓
" " from 2/3 length amidships to Collision bulkhead	24	✓	" " Reversed Frame	5 1/2 3 34	✓
" " in peaks	24	✓	" " Vertical Struts	5 1/2 3 34	✓
IDE FRAMING.			Centre Girder, depth and thickness amidships	42" x 50	✓
Frame Amidships, Angle, [or]	12 x 4 x 4 x 54	✓	" " top Angles	3 1/2 3 1/2 44	✓
" " Extends up to U.D. + B.D. at hatch ends	✓	✓	" " bottom Angles	4 4 50	✓
Reversed Frame Amidships, Angle	✓	✓	Side Girders, No. each side and thickness	one 36	✓
" " Extends up to	✓	✓	Margin Plate depth (excl. of flange) and thickness	36" x 50	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side	6 6 42	✓
Frames in Uppermost Continuous Deck, Angle, [or]	6 3 1/2 36	✓	" " Vertical Angle to Tank side	6 6 42	✓
" " Second Tween Decks, Angle, [or]	7 3 39	✓	" " Bracket from forward 1/2 len. from stem to Panting Area	6 6 42	✓
" " Third " " " "	✓	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem	Every frame 28" x 38	✓
" " from 1/2 len. for'd. to 15% len. from Stem	12 x 4 x 4 x 60	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	Every frame 32" x 38	✓
" " in Peaks, Angle, [or]	4 x 3 1/2 x 40 new bars on every 2nd or 3rd frame as approved	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	63" x 41	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	8 3 35	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes	✓	Breadth and thickness of Middle Line Strake	63" x 49	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	as approved	✓	Thickness of remainder in Holds	42	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	as approved	✓	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 Wells, Angle, [or]	11 3 1/2 43	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]	11 3 1/2 50	✓
Middle Line Keelson, on Floors, Angles, [or]			" " Spacing	8 3 34	✓
" " Through Plate or Intercoastal 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 Intercoastal Plate			Fourth Deck, amidships, Angle, [or]	✓	
" " Angles			Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	7 3 42	✓
Solid Floors, thickness and spacing	38 at 82 1/2	✓	Spacing	27 1/2 x 24	✓
" " Are Frame and Reversed Frame joggled?	Yes	✓	Bridge Deck, Angle, [or]	9 3 1/2 41	✓
Bracket Floors, breadth and thickness at middle line	3 1/2 x 38	✓	Spacing	27 1/2	✓
" " breadth and thickness at margin plate	3 1/2 x 38	✓	Forecastle Deck, Angle, [or]	9 3 1/2 38	✓
			Spacing	27 x 24	✓

PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
PILLARS , No. of Rows.....	One	✓			
Forecastle " in 'ween Decks, Size and Spacing.....	2 3/4" alt	✓			
" " " " " "					
" " " " " "					
" " " " " "					
Centre Line Bulkhead.					
Stiffeners and Spacing.....	Hold 12 x 3 1/2 x .45 E at 55" T-DKS 5 x 3 x .30 L at 55"	✓			
Plating, thickness of	Hold .30 T-DKS .26	✓			
STRINGERS AND DECKS.					
Uppermost Continuous Deck.					
Stringer Plate, breadth and thickness in Wells	AFT .42 .50 .42 .76 1.18 FOR 1.12 .74 .60 .50 .42	✓			
" " " " in way of Bridge	77 1/2 x .39	✓			
" Angle in Wells	6 6 .76	✓			
Thickness of Plating abreast Deck openings } in way of Wells68 A. .64 F See plan ✓	✓			
Thickness of Plating abreast Deck openings } in way of Bridge36 10 U	✓			
Thickness of Plating within line of openings...	.34 50 AS	✓			
If Sheathed, material and thickness	not sheathed ✓	✓			
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 thickness35	✓			
Plating, Sheathing, material and thickness30 x .26 2 1/2" W.P. ✓	✓			
Bridge Deck.					
Stringer Plate, breadth and thickness.....	46" x .56 12 ✓	✓			
Plating, Sheathing, material and thickness53 unheathed ✓	✓			
Forecastle Deck.					
Stringer Plate, breadth and thickness.....	.35 ✓	✓			
Plating, Sheathing, material and thickness34 unheathed ✓	✓			

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			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	78	68	68	✓	Double	7/8	3 3/8	✓ 4	1	4	Lapped	
„ DBLG. (if any)	7 1/2								✓				
BOTTOM PLATING, No. of Strakes 4 }	70 1/2	60	46	60	✓	Double	7/8	3 3/8	✓ 3	7/8	3 1/2	Lapped	
BILGE PLATING, No. of Strakes 2 }	70 1/2	60	46 44	60	✓	„	7/8	3 3/8	✓ 3	7/8	3 1/8	„	
SIDE PLATING, No. of Strakes 2 }	78	60	44 68 59 57 62	60 44 60 60 44	✓	„	7/8	3 3/8	✓ 3	7/8	3 1/8	„	
UPPER DECK, Sheer- strake in Wells 3 }	63		59 57 62	60 60 44	✓	„	7/8	3 3/8	✓ 4 + 3	7/8	3 1/8	„	
UPPER DECK, Sheer- strake in Bridge ... }	78	60	1.03	1.07	Break	„	7/8	3 3/8	✓ 3	7/8	3 1/8	„	
STRAKE BELOW Sheer- strake in Wells }	78		70 65 59 57 48	71 63 64 60 44	✓	„	7/8	3 3/8	✓ 4 + 3	7/8	3 1/8	„	
STRAKE BELOW Sheer- strake in Bridge }	77 1/4	60	-	-	✓	„	7/8	3 3/8	✓ 3	7/8	3 1/8	„	
POOP SIDE PLATING	-	-	-	38	✓	Single	3/4	3	Single	3/4	2 7/8	„	
BRIDGE SIDE PLATING ...	78	63			✓	Double	7/8	3 3/8	✓ 4	7/8	3 1/2	„	
FOREC'TLE SIDE PLATING	-	-	41	-	✓	Single	3/4	3	Single	3/4	2 7/8	„	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Extending to Upper Deck (Sec. 3 c)	Seven				
" Deck next below	Seven				
As per Rule	Seven				

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks					
" " Second "					
" " Third "					
" " Holds		4B-26	12 x 3 1/2 x 3 1/2	48	at 29 1/2"
COLLISION (in Hold)		4B-28	10 x 3 1/2 x 46	24"	one semi box beam
AFTER PEAK		7/8-30	6 x 3 x 36 1/4	24" + 26"	two " "

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				
STEM	Rolled	9 1/2 x 2 1/2		
STERN FRAME	Propeller Post	Forging	10 1/2 x 7 1/2	C.M.E.W.
	Rudder	"	10 1/2 x 7 1/2	"
Speed of Vessel	under 12 knots			
RUDDER—Type				arms keyed to mainpiece
" A x D				124 x 4.05 = 505
" Diam. of head	Forging	10 1/2		C.M.E.W.
" Mainpiece at top pintle	"	10 1/2		"
" " heel	"	8"		"
" how constructed				Built
" double or single plate coupling, vertical or horizontal				double

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*
Cargo Steel & Co. South Durham S. & L. Co. Dorman Long & Co. Consett Iron Co.
Raine & Co. S. Tysack & Co. Skinningrove Iron Co. Ltd.

Has the Steel been tested as required by the Rules? yes.

EQUIPMENT No 37570 ✓										LETTER Z ✓		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.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.			
38852	1st Bower ...	64	2	0	Stockless			50	15	-	-	63 3/4 ✓	Byers Imp. Stockless	not stated	Sld 6/6/39 JH Butler
38802	2nd " ...	64	0	7	"			50	12	2	-	63 3/4 ✓	" " "	" "	Sld 15/5/39 JH Butler
38874	3rd " ...	54	2	7	"			45	2	3	7	54 1/2 ✓	" " "	" "	Sld 16/6/39 JH Butler
	Collective weight.	183	-	14								182 ✓			
52272	Stream	17	2	7	4	2	-	18	14	1	14	17 1/2 ✓	Rodgers forged W.B. anchor	" "	C.H. 14/4/39 L.E. 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.	Statio- tory.	Break- ing.	Supplied.	Per Rule.			Length. Diam.							Length. Cir.	Tons.		Length. Cir.	
20280	270	2 1/4	9 1/8	127 1/2	690.0.7		682 1/2	270	2 1/4	Slud	not stated	Sld 19/6/39 JH Butler		POWLINE...	120	5"	70.9	120	5"
														HAWSERS & WARPS	2-90	2 3/4	15.2	2-90	2 3/4
														"	2-90	7" manila		2-90	2 1/2
Iron Stream Chain - Steel Wire	90	4 3/4		64.6				90	4 3/4					"					

Steering Gear, Type (Power or hand) *Bonkin & Co.* Alternative Means of Steering *Blocks & Tackle.*

Steering Chains (Size and Test) *✓* Windlass *Clark Chapman.* Boats *2 at 27'-0" x 8'-3" x 3'-4 1/2"*
1 at 18'-0" x 5'-6" x 2'-4"

Stowage in Holds, thickness and material *2 1/2" W.P. under hatchways* Cargo Battens, thickness, material and spacing *6' x 2" - 9' apart.*

Cargo Hatchways. (Upper Deck) *Steel plates & angles* Thickness of Hatches *2 1/2" W.P.*

Size of Hatchways No. 1 (Fwd.) *UPD 31'-6" x 22'-0"* No. 2 *32'-1" x 22'-0"* No. 3 *16'-0 1/2" x 22'-0"* No. 4 *34'-4 1/2" x 22'-0"* No. 5 *34'-4 1/2" x 22'-0"* No. 6 *34'-4 1/2" x 22'-0"*

Number of Shifting Beams and/or Fore and Afters *5* *5* *5* *5*

Builder's Signature *FOR WILLIAM GRAY & CO. LIMITED*

Thos. S. Simpson
 GENERAL MANAGER.

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 (where required to be inserted in the Notation).

This vessel has been constructed in accordance with the approved plans, the Secretary's letters & generally conforms with the Society's Rules for the class contemplated.

The materials & workmanship are good.

all double bottom tanks, fore & aft peak tanks, have been tested as required by the rules & found satisfactory.

The weather decks, watertight bulkheads, watertight doors and tunnel have been satisfactorily tested.

The assigned freeboards have been marked on the vessel's sides, verified, & cut in.

The amount of Entry Fee £ *9* : - : - Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee.... £ *335* : 7 : - Received by me, *14/10/39*

Freeboard £ *16* : - : - I am of opinion the Vessel should be Classed *+ 100 A.I.*

Travelling Expenses, if any £ : : Signature *For self and C.A. Millar*
WJ Craig
 Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey *Yes*

Certificate to be sent to *West Hartlepool* Date of issue *21/9/39*

Committee's Minute

Character assigned

Lloyd's A.O.C.P. + Limb. 9.39
OL, E.S.D., 2 S.B. (Spt.) 2.20
1 Aug. S.B.

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.)

Similar Vessel S/S "GERMANIC" West Hartlepool Rkt. 17625
S/S "ATHENIC" " " " 17636

Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.

PARTICULARS OF ELECTRIC WELDING (if employed)

None

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

Cruiser stern, Welders, Directional Welders, Echo Sounding Device, Electric light, Hydro A.C.P.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	2nd "	3rd "	Weight in tons	Surveyor's Initials	No. of Certificate	Date of Test
	40-1-0	41-1-21	34-3-14	40	F.H.	20072	27.5.38
					J.D.	1898	4.4.39.
					J.F.R.	3006	5.11.37.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 34.3 ft., R.O.D. ft., Bridge 258.5 ft., Forecastle 34.5 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated not joined.
Official No. 167069 Signal Letters Extreme Breadth over Belting (Circ. 1611) Over-all Length (Circ. 1703) 425' 4".
No. and Material of Decks 1 dk. steel.
Parts of Bottom of Vessel coated with cement or approved composition Bottom of S.B. Tanks & peak tanks cemented.
Particulars of composition (if fitted) and of approval Bilges cemented.

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	132.91	412	Fore peak tank,	21.12	137
Double bottom, under Engines and Boilers,			After peak tank,	22.0	192
Double bottom, if under Engines only,	22.91	105	Deep tank, aft,		
Double bottom, if under Boilers only, DRY TANK	18.33		Deep tank, forward,		
Double bottom, forward,	185.62	690	Other tanks, if fitted,		
Total length (if continuous) and Capacity	359.77	1207	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 2411
Date 1/2/39.
Dates of Surveys held while building
1939. Jan. 24. 25. 27. 30. Feb. 1. 6. 7. 13. 14. 16. 20. 21. 24. Mar. 2. 3. 6. 8. 9. 10. 13. 14. 20. 22. 24. 28. Apr. 5. 12. 19. 21. 26. May. 1. 4. 8. 9. 12. 22. 24. 25. June. 2. 5. 7. 12. 13. 15. 20. 21. 26. 27. 29. July. 3. 6. 10. 13. 18. 19. 27. Aug. 1. 2. 4. 24. 28. 29. 30. 31. Sept. 1.