

Rpt. 1.

STEEL STEAMER ~~OR~~ MOTORSHIP.

Received at London Office.....

2 JUL 1928

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

State if Report is sent on the Machinery of the Vessel W Hartlepool

Date of completion of report

7 July 1928

Port of

Sunderland

No.

29786

Survey held at

Sunderland

Date First Survey

14 Nov. '27

Last Survey

2 July

1928

On the (State if Machinery fitted Aft and

Single Screw

"ALPHACCA"



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Lloyd's Register
Foundation

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								
<i>upper</i>									
in /tween Decks, Size and Spacing.....	5	3	33-30						
<i>6" L. Bld. Plating</i>	28								
<i>2nd</i>									
in Holds	6	3	34						
<i>6" L. Bld. Plating</i>	28								
" " " " " "									
Centre Line Bulkhead , in lower Hold.....	11	3 1/2	53						
Stiffeners and Spacing.....	67	3	34						
Plating, thickness of			32						
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells	7 1/2	x	58						
" " " " in way of Bridge									
Angle in Wells	6	6	59						
Thickness of Plating abreast Deck openings in way of Wells	44	-	40						
Thickness of Plating abreast Deck openings in way of Bridge									
Thickness of Plating within line of openings...	39	-	36						
If Sheathed, material and thickness			no						
Second Deck.									
Stringer Plate, breadth and thickness in Wells	7 1/2	x	39						
<i>(in way of Deep Tank)</i>			41						
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.....	7 1/2	x	34						
If Plated, state thickness.....			30						
Fourth Deck.									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness									
Poop Deck.									
Stringer Plate, breadth and thickness									
Plating, Sheathing, material and thickness ...									
Bridge Deck.									
Stringer Plate, breadth and thickness.....									
Plating, Sheathing, material and thickness ...									
Forecastle Deck.									
Stringer Plate, breadth and thickness	35	x	36						
Plating, Sheathing, material and thickness ...			34						

SHELL PLATING.

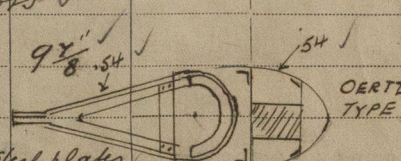
SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		No. of Rows of Rivets.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.			Diam. Spacing cr. to cr.		Inches.	Inches.	
FLAT PLATE KEEL	52	78	68	68		Double	7/8 3 5/8	4R to 3R	1	4	Lapped
" DBLG. (if any)											
BOTTOM PLATING, No. of Strakes	72	61	50	50		Double	7/8 3 5/8	3R full	7/8	3 1/8	Lapped
BILGE PLATING, No. of Strakes	72	61	50	50		"	" "	" "	"	"	"
SIDE PLATING, No. of Strakes	75	61	46	46		"	" "	" "	"	"	"
UPPER DECK, Sheer-strake in Wells.....	82	67	46	46		"	" "	5R 4R+3R	"	4	"
UPPER DECK, Sheer-strake in Bridge ...											
STRAKE BELOW Sheer-strake in Wells.....	67	63	46	46		Double	7/8 3 5/8	4R to 3R	7/8	3 1/2	Lapped
STRAKE BELOW Sheer-strake in Bridge ...											
POOP SIDE PLATING											
BRIDGE SIDE PLATING ...											
FORECASTLE SIDE PLATING			42			single	3/4 3	1R	3/4	2 5/8	Lapped

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)					
" Deck next below					
As per Rule					
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D , Upper tween decks					
" " Second "	27	5x3x41	30		
" " Third "					
" " Holds	46-29	10x3 1/2x40	30		
COLLISION " (in Hold)	54-34	8x3x38	24	3 B B B	
AFTER PEAK " "	75-48-30	6x3x40	24	1. S B B	
		angle 6x5x40		+Recess flat	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM		10x2 1/2		
STERN FRAME { Propeller Post	Forging	13x4 1/2	Central Marine Eng. Works	
{ Rudder "		10 1/2 x 8		
RUDDER—A x D		141.8 x 2.95 = 4201	42	
Speed of Vessel		12 knots		
RUDDER mainpiece at head ...		9 1/2 x 5 1/4		
" " heel ...				
how constructed		Built steel plates and angles		
double or single plate		54		
coupling, vertical or horizontal		6 Steel Horizontal		



STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth process*
Bolchow Vaughan & Co. Ltd. Cargo Steel I.C. Ltd. Russell I.C. Ltd. Dorman Long & Co. Ltd.
Pease & Partners Ltd. South Durham S. & I.C. Ltd.
 Has the Steel been tested as required by the Rules? *Yes.*

42
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.)

Note - The vessel was completed at West Hartlepool and a copy of our letter to the Surveyors at that port is attached.

Please return plans for sister vessel building.

WFB

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	43-2-7	M.B.	3559	8-3-28
	2nd "	43-3-21	M.B.	3560	8-3-28
	3rd "	37-2-21	M.R.	614	28-3-28
	Stream	16-3-14	K.H.	5153	28-3-28

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 39.0 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated on shelter ok.

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 dk (ste) and shelter dk (ste)
3rd dk (ste) in holds.

DUTCH Official No. 3793 ; 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,	138.66	390.0	Fore peak tank,	20	129
Double bottom, under Engines and Boilers,	—	—	After peak tank,	14	86
Double bottom, if under Engines only,	21.33	94.0	Deep tank, aft,	—	—
Double bottom, if under Boilers only, (1044)	18.66	—	Deep tank, forward,	—	—
Double bottom, forward,	185.66	659.0	Other tanks, if fitted,	—	—
	Total capacity of double bottom	1146.0	(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. 5661

Date 9.12.27

Dates of Surveys held while building

1927 Nov. 14 Dec. 2, 5, 12, 15, 20, 1928 Jan. 4, 6, 10, 13, 17, 19, 23, 24, 26, 30, Feb. 3, 6, 14, 21, 24, 27, Mar. 2, 6, 8, 14, 16, 20, 23, 27, Apr. 3, 12, 18, 20, 23, 24, 29, 30, May, 3, 4, 7, 10, 11, 16, 17, July 2.

Total No. of Visits 46

W141-0014 2/12

EQUIPMENT No. 39006												LETTER at		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.					
30895	1st Bower ...	68	3	0	Stockless			53	1	3	14	68	Byers improved	Not staked	Sld. 29.3.28	J.H. Butler	
30896	2nd " ...	68	3	0	"			53	1	3	14	68	"	"	"		"
30942	3rd " ...	58	2	7	"			44	11	1	0	58 1/2	"	"	"		"
	Collective weight.	196	0	7								19 4 1/2					
30991	Stream	24	1	14	Stockless			24	4	0	7	23 3/4	Byers improved	not staked	Sld. 26.4.28.	J.H. Butler	

CHAIN CABLES.														HAWERS 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.	Ins.		Tons.	Length.	Ins.	Tons.	Length.	Ins.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.				
618	270	2 5/16	96 1/4	134 3/4	424	1	7	720	3	0	270	2 5/16	Stud Kendrick & Mole Ltd	Cardiff 18.2.28. A Jones.	TOWLINE...	120	5 1/4	65	120	5 1/4			
51424	120	1 5/8	44.5	66.5	163	3	0	49	2	0	90	1 5/8	Stud Kendrick & Mole Ltd	Cardiff 23.3.28 A Jones.	HAWERS & WARPS	2-90	8 manila	2-90	2 3/4				
		Or.										Or.			"	2-90	7"	"	2-90	2 1/2			
Ten Stream Chain or Steel Wire																							

Steering Gear, Steam *Hatchet 6" Wilson Perrie Type. Telemotor.* Steering Gear, Hand *Good. 2 wheels, + rudder head brake*

Boats *4- 25 ft life. 1-18 ft dinghy* Steering Chains, Size and Test *✓* Windlass *Steam. Clarke Chapman 16"*

Ceiling in Holds, thickness and material *2 1/2" P. Pine,* Cargo Battens, thickness, material and spacing *2" W. Pine, 9" spacing.*

Cargo Hatchways.—(Upper Deck) *Steel plates + angles.* Thickness of Hatches *3"*

Size of No. 1 Hatchway (Forward) *31' 6" x 20' 0"* No. 2 *32' 0" x 20' 0"* No. 3 *18' 8" x 20' 0"* No. 4 *32' 0" x 20' 0"* No. 5 *32' 0" x 20' 0"* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *6% No 1. 5% No 2. 4. 5. 3% No 3.*

For William Gray & Co., Limited.

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

GENERAL DECLARATION. It should be stated (a) whether the vessel 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 Rules + Secretary's letters. The materials + workmanship are good.

The freeboards have been verified and the marks cut in on the vessels sides.

The peak tanks, double bottom tanks, and dry tank under boilers have been satisfactorily tested under water pressure in accordance with the Rule requirements. The W.T. bulkheads, decks, tunnel and W.T. doors have been holed + found satisfactory. + pumps tested.

The approved plans (8 in W.) Midship Section. Profile + decks, Fore + after peak blds. Bottom stiffening forward. Hold constructed as deep tank. Upper deck hatch and beams, Tunnel. Stern + Rudder frame, together with 3 forging + casting certificates, also Profile + decks as built.

The amount of Entry Fee £ *9* : Fees applied for, *2 July 1928*

Special Survey Fee.... £ *338* : *13* Received by me, *11.8.28*

Freeboard 10:1:8

Travelling Expenses, if any £ : :

State whether the Vessel has been built under Special Survey *yes* Signature *W.P. Hollings.*

Certificate to be sent to *SUNDERLAND* Date of issue *13/8/28*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRL 13 JUL 1928*

Character assigned *+ 100 A1. With Freeboard*

Lloyd's A + C.P. + L.M.C. 7.28

W.H. H. C.L.

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