

STEEL STEAMER or MOTORSHIP.

Received at London Office 7 JAN 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 *yes*

Date of completion of report

6 January 1928

Port of

Sunderland

No. 29601

Survey held at

Sunderland

Date First Survey

31 May 1927

Last Survey

29 December

1927

On the

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

Single screw steamer "HOLYSTONE" machinery amidships.

State Type

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

Full scantling

State Type of Erections

Pop, Bridge & Sides

TONNAGE under Tonnage Deck...

4956.46

CLASS F100A1

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 397.25

Breadth (greatest moulded)

B 53.66

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

D 31.50

1st Longitudinal Number (L x D)

= 12513

2nd Numeral L x (B + D)

= 33830

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

26.77

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

12.61

Do. Long Bridge to top of keel

10.04

Draught Moulded

25'-3"

Launched

Oct 26 1927

Yard No.

427

Builders

Messrs Short Bros Ltd

Owners

Northumbrian Shipping Co Ltd

Managers

Common Bros

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

Residence

Newcastle-on-Tyne

Port of Registry

Newcastle

If surveyed while building, afloat, or in dry dock

Building, afloat, and 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	33		Bracket Floors, Frame	10 3/2 44	
" " from 1/2 length to Collision bulkhead	24		" " Reversed Frame	10 3/2 42	
" " in peaks	24		" " Vertical Struts	10 3/2 42	
WIDE FRAMING.			Centre Girder, depth and thickness amidships	48 x 52	
Frame Amidships, Angle, [or]	15 x 4 x 4 x 44		" " top Angles	Single 6 6 50	
" " Extends up to	Upper		" " bottom Angles	6 6 56	
Reversed Frame Amidships, Angle	- - -		Side Girders, No. each side and thickness	one 40	
" " Extends up to	- - -		Margin Plate depth (excl. of flange) and thickness	44 52	
Depth of Framing Girder	15		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 50	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	- - -		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	6 6 48	
" " Second 'tween Decks, Angle, [or]	- - -		" " Gussets, spacing and scantling abaft 1/2 len. from stem	- - -	
" " Third " " " "	- - -		" " Gussets, spacing and scantling forward 1/2 len. from stem	- - -	
Framing in Peaks, Angle or [	9 32 39	9 x 3 1/2 x 40	Tank Side Brackets, height above base line at toe of Frame and thickness	90 x 50	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	6 dia x 5 dia		INNER BOTTOM PLATING.		
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake	63 x 50	
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	Plate stringers & Plating Beams		Thickness of remainder in Holds	44 - 39 x 37	(Rule + 20 in way of hatches) + 0.8
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Single Framing equal to double add Intercostals midship thickness bottom plating maintained		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	also Owners increases as shown on plan
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	8 3/2 40	8 x 3 x 34 (NBS)
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]	8 3/2 40	
Middle Line Keelson, on Floors, Angles, [or]			Spacing	33	
" " Through Plate or Intercostal Plate			Second Deck, amidships, Angle, [or]		
" " Foundation Plate on Floors			Spacing		
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]		
Keelsons, No. each side			Spacing		
" thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or]		
" Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	7 3 35	7 x 3 x 33 (NBS)
Mid Floors, thickness and spacing	42 @ 8'-3"		Spacing	33 4 24	
" Are Frame and Reversed Frame joggled?	No		Bridge Deck, Angle, [or]	7 3 54	7 x 3 x 44 (NBS)
Deck Floors, breadth and thickness at middle line	2'-11" x 42	2'-8" x 42	Spacing	33	
" breadth and thickness at margin plate	2'-9" x 42	2'-8" x 42	Forecastle Deck, Angle, [or]	7 3 38	7 x 3 x 38 (NBS)
			Spacing	27 8 24	

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.....	Three			/	Stringer Plate, breadth and thickness in way of Bridge	-	-	-	/
" Poop, Br & Fole	4	4	.50	/	Thickness of Plating abreast Deck openings in way of Wells	-	-	-	/
" in 'tween Decks, Size and Spacing.....	66"	4	.48	/	Thickness of Plating abreast Deck openings in way of Bridge	-	-	-	/
" " " " "	-	-	-		Thickness of Plating within line of openings...	-	-	-	
Quarter dble angles {	8	8	.84	| as plans,	If Sheathed, material and thickness	-	-	-	
" in Holds " "	8	8	.69			-	-	-	
" " " " "	wide spaced.					-	-	-	
Centre Line Bulkhead. Fwd {	B.A.	8	3	.34	SP33				
Stiffeners and Spacing.....	BA	9	3	.44	" "				
	(NBS.) BA	10	3½	.58	" 54				
Aft. {	BA	6	3	.34	SP33				
Plating, thickness of	BA	6	3	.36	" "				
			.30						
STRINGERS AND DECKS.					Third Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....	-	-	-	
Stringer Plate, breadth and thickness in Wells	68" x .85-	.51-	/		If Plated, state thickness.....	-	-	-	
" " " " in way of Bridge	1.05 @ Br Ends		/		Fourth Deck.				
" Angle in Wells	6	6	.82	/	Stringer Plate, breadth and thickness.....	-	-	-	
Thickness of Plating abreast Deck openings in way of Wells .....	.93	-	.44	(as plans)	If Plated, state thickness	-	-	-	
Thickness of Plating abreast Deck openings in way of Bridge .....	.40	4	.36		Poop Deck.				
Thickness of Plating within line of openings...	.41	-	.34		Stringer Plate, breadth and thickness	Straight	.30	-	/
If Sheathed, material and thickness	-	-	-		Plating, Sheathing, material and thickness ...	.30 x .28			/
Second Deck.						5 x 2 1/2 R.P.			/
Stringer Plate, breadth and thickness in Wells...	-	-	-		Bridge Deck.				
					Stringer Plate, breadth and thickness.....	69" x .44			/
						Incl .57 at Bm's hatches			
					Plating, Sheathing, material and thickness ...	.44 - .36			/
					Forecastle Deck.				
					Stringer Plate, breadth and thickness.....	Straight	.30		/
					Plating, Sheathing, material and thickness ...	.30 x .34 under windless	No sheathing		/

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			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 cr. to cr.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.									
FLAT PLATE KEEL	50	.79	.69	.69	✓	Dble	1"	3 ⁶ / ₉	Four	1"	4	LAPPED	
" DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes	72	.69	.47	.51	✓	Dble	7/8	3 ³ / ₁₀	A Four B.C.D Three	7/8	3 ¹ / ₂	Lapped	
BILGE PLATING, No. of Strakes	72	.64	.47	.51	✓	"	"	"	Three	"	"	"	
SIDE PLATING, No. of Strakes	72	.64	.47	.51	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells	72	.65	.45	.49	✓	"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Bridge ...	72	.62	-	-		"	"	"	"	"	"	"	
STRAKE BELOW Sheer-strake in Wells	72	.66	.45	.45		"	"	"	Five Four	1	4 ¹ / ₂	"	
STRAKE BELOW Sheer-strake in Bridge ...	72	.82	.45	.45	✓	"	1"	3 ⁶ / ₉	Four	1	4	"	
POOP SIDE PLATING	50	.82	.45	.45	✓	"	7/8	3 ³ / ₁₀	Three	7/8	3 ¹ / ₈	"	
BRIDGE SIDE PLATING ...	72	.62	-	-		"	7/8	3 ³ / ₁₀	Four	7/8	3 ¹ / ₂	"	
FORE'TLE SIDE PLATING	72	.66	.45	.45		"	"	"	Three	"	3 ¹ / ₈	"	
	72	.62	-	-		"	"	"	one	"	3 ¹ / ₈	"	
	50	.57	-	-		Single	"	3 ¹ / ₂	one	"	3 ¹ / ₈	"	
	52	.58	-	-		Dble	"	3 ³ / ₁₀	Three	"	3 ¹ / ₈	"	
	-	-	-	.40		Single	"	3 ¹ / ₂	one	"	3 ¹ / ₈	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—			
Extending to Upper Deck (Sec. 3 c)		Seven ✓	
Deck next below		—	
As per Rule		Six.	
		STIFFENERS.	
		VERTICAL.	HORIZONTAL.
Plating Thickness.		Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks			
" " Second "			
" " Third "			
" " Holds	✓	15x4x4x41 C 5P3 1/2	" 30"
		47-29 15x4x4x41 C " 30"	
		7x3x54 B A .25 one S.S.B	
		12x3x46 " " 24 one W.T. Flat	
COLLISION	(in Hold) (Recessed)	43-30	
AFTER PEAK	(Recessed)	47-30 8 A 6x3x36 21"	2. S.S.B. (A)

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar		Flat Plate Keel.		
STEM	Forging	10" x 2½"		
STERN FRAME {	Propeller Post	" 10½" x 7¼"	Sunderland	
	Rudder "	" 9" x 7¼"	Forge	
RUDDER —A x D. 147.62 x 3.38 = 499			and	
Speed of Vessel	under 10	Knots.	Engineering	
RUDDER mainpiece at head ...	Forging	10"	Co Ld	
" " heel ...		7½"		
" how constructed	Forging	and arms shrunk on		
" double or single plate coupling, vertical or horizontal	Single	1-08		
	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
messrs.
Consett Iron Co^lo; South Durham Steel & Iron Co^lo; Cargo Fleet Iron Co^lo; Dorman, Long, & Co^lo
Bolckow Vaughan & Co^lo
 Has the Steel been tested as required by the Rules? yes.

- 7 JAN 1928

EQUIPMENT No. 35228

LETTER Z

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.
30452	1st Bower	Cwts. qrs. lbs. 64 1 0	Stockless	Tons. cwt. qrs. lbs. 50 12 2 0	Cwts. 63 3/4	Byers Improved	not stated	Sld 29-10-27
30453	2nd "	63 2 14	"	50 4 2 0	63 3/4	" "	" "	Sld 31-10-27
30416	3rd "	54 3 14	"	45 5 3 21	54 1/2	" "	" "	Sld 18-10-27
	Collective weight.	182 3 0			182 1			J. H. Butler
30277	Stream	14 2 0	4 3 0	18 12 2 0	17 1/2	Rodgers Forged Ingot Sld.	S Taylor & Sons	Sld 29-8-27 J. H. Butler

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- Break- ing.	Supplied.	Per Rule.	Length. Diam.				Length. Cir.	Tons.	Length. Cir.
	Fathoms. Ins.	Tons. Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms. Ins.				Fathoms. Ins.		Fathoms. Ins.
15463	240 2 1/2	918 127 5	704-1-19	682 1/4	270 2 1/2	Stud Link S. Taylor & Sons	Sunderland	TOWLINE	120 5	73 1	120 5
							J. H. Butler 28-8-27	HAWSERS & WARPS	4-90 2 1/2	22	2-90 2 1/2
Iron Stream Chain or Steel Wire	90 1 1/2	655			90 1 1/2	R. Hood Haggie & Co Ltd	Sunderland				

Steering Gear, Steam J. Lynn and Co Ltd

Steering Gear, Hand Auxiliary Gear: Relieving Tackle operated from winch. Taylor Rollisters Rudder head brake

Boats 2: 24'0" Lifeboats and 2: 18'0" cutters Steering Chains, Size and Test 1 7/16 24-15-0-0 Windlass Clarke Chapman & Co Ltd

Ceiling in Holds, thickness and material 2 1/2" w.w. over bilges only Cargo Battens, thickness, material and spacing 2" w.w. spaced 9"

Cargo Hatchways.-(Upper Deck) Steel plates and Angles Thickness of Hatches 2 1/2" - 3"

Size of No. 1 Hatchway (Forward) 31'6" x 21'0" No. 2 33'0" x 21'0" No. 3 22'0" x 19'0" No. 4 13'9" x 21'0" No. 5 33'0" x 21'0" No. 6 30'3" x 21'0"

Number of Shifting Beams and/or Fore and Afters 5 webs to Nos 1, 2, 5, + 6 hatches, 1 web & 2 Trunk Bds to No 3 hatch. 50 top Plate No webs No 4 (Deep Tank).

FOR SHORT BROTHERS, LIMITED.

Builder's Signature

Genl. A. Short

GENERAL DECLARATION

This vessel has been constructed in accordance with the approved plans, the Rules and Secretary's letters. The materials and workmanship are good. The freeboard has been verified and the marks cut in on the vessel's sides. The deep tank, peak tanks, and double bottom tanks have been satisfactorily tested under pressure in accordance with the Rule requirements. Bulkheads, decks, funnel and w.t. doors have been holed, and found satisfactory.

The approved plans (9 in number) Midship Section; Profile and Deck plan; Stern & Rudder frame; Amended shell plating; Fore end strength - ening of bottom; Girders plan; Pillar plan; Deep tank arrangement; & Pumping plan; together with three forging certificates, and "Midship Section" & "Profile & deck plan" as built are forwarded herewith.

The vessel was examined in the Muddle Dry Dock, South Shields on Decr 29th 1927 and the bottom cleaned & repainted. On the port.

The amount of Entry Fee £ 9 : : Fees applied for, 6 JAN. 1928
Special Survey Fee.... £ 336 : 11 : Received by me, 1. 2. 28
Freeboard 10 : 1 : 8
Travelling Expenses, if any £ : : 666

I am of opinion the Vessel should be Classed 100 A.I.

State whether the Vessel has been built under Special Survey yes.

Signature W. P. Hollings & A. Charlton
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to SUNDERLAND. Date of issue 2/2/28

Committee's Minute

TUES. 17 JAN 1928

Character assigned

+ 100 A.I.

Lloyd's A & C.P.

+ L.M.C. 12.24
Cr.

W.P.H.



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Lloyd's Register

Foundation

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.)

side forward, two shell plates F. 2 & 5 were found to be slightly indented caused whilst lying afloat during the installation of the machinery. These indents do not affect the vessel's efficiency, and will be dealt with at the Owners convenience

No
6

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	C. 91 lbs 40-3-21	KH	4951	30-9-27
	2nd "	39-3-14	KH	4889	30-9-27
	3rd "	33-2-0	KH	4840	30-8-27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 33.0 ft., R.Q.D. - ft., Bridge 113.0 ft., Forecastle 35.5 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. 149450 ; Signal Letters Is bottom of Vessel coated with cement Yes if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	137.5	519	Fore peak tank,	30.25	242
Double bottom, under Engines and Boilers,	41.25	209	After peak tank,	24.0	210
Double bottom, if under Engines only,	-	-	Deep tank, aft,	27.5	1190
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	-	-
Double bottom, forward,	162.75	716	Other tanks, if fitted,	-	-
Total capacity of double bottom		1444	(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. 5625

Date 2.2.27

Dates of Surveys held while building

19.27 May 31 June 8.13.20.21.28.30 June 4.6.7.11.13.15.18.20.22.25.26.28.29.31 Sep. 20.22.23.26.27.28.30 Oct. 1.3.4.6.7.10.11.12.13.14.17.19.21.24.25.26.28 Nov. 2.7.9.15.19.29 Dec. 7.16.19 20.23.29

Lloyd's Register Foundation

Total No. of Visits 61