

STEEL STEAMER or MOTORSHIP.

Received at London Office 11th DEC. 1931State if Report has been sent on the Freeboard of the Vessel Yes.State if Report is sent on the Machinery of the Vessel From Newcastle.Date of completion of report December 2nd 1931.Port of SunderlandNo. 30779Survey held at SunderlandDate First Survey 15th July 1931Last Survey 1st December 1931

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

Single Screw "FLATHOUSE"Machinery Aft.

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

Full ScantlingState Type of Erections 3 & R.Q.D.TONNAGE under Tonnage Deck... 1,151.98CLASS +100 A1.State if with freeboard as condition of Class NoBuilt 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 242.0Breadth (greatest moulded) B 36.33Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 18.01st Longitudinal Number (L x D) = 4,3562nd Numeral L x (B + D) = 13,148Framing Depth "d," at middle of length. See Sec. 3 (1d) 14.42Proportions—Depth to Length—Uppermost continuous deck to top of keel 18.38Do. Longitudinal to top of keel 13.4Draught Moulded 10.916' 6 1/2"Launched Nov^r 10th 1931. Yard No. 1473Builders Swan Hunter & Wigham RichardsonOwners Stephenson Clarke & Associated Companies LtdManagers ✓

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

Residence London.Port of Registry London.

If surveyed while building, afloat, or in dry dock

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	<u>27.</u>	✓	Bracket Floors, Frame	✓	
" " from $\frac{3}{8}$ length to Collision bulkhead.....	<u>27.</u>	✓	" " Reversed Frame	✓	
" " in peaks.....	<u>23.</u>	✓	" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships <u>33 x 41.</u>		✓
Frame Amidships, Angle, E or [<u>N.B.S.</u> <u>8 3 44</u>	<u>R.Q.D.</u>	✓	" " top Angles	<u>3 3 40.</u>	
" " Extends up to	<u>R.Q.D.</u>	✓	" " bottom Angles	<u>3 1/2 3 1/2 41.</u>	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness <u>One - 31.</u>		
" " Extends up to...	✓		Margin Plate depth (excl. of flange) and thickness <u>28 1/2 x 38.</u>		
Depth of Framing Girder	<u>8</u>	✓	" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem	<u>3 3 31.</u>	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [.....	✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	<u>5 5 35</u>	
" " Second 'tween Decks, Angle, [or [.....	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	✓	
" " Third " " " " " "	✓		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem.....	✓	
Framing in Peaks, Angle or [<u>N.B.S.</u> <u>5 1/2 3 35</u>		✓	Tank Side Brackets, height above base line at toe of Frame and thickness <u>56 x 37. 39 R.Q.D.</u>		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	<u>3/4 - 4 7/8</u>	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	<u>Yes.</u>	✓	Breadth and thickness of Middle Line Strake ...	<u>43 x 50.</u>	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars <u>7 x 32 x 66 3/4 x 11. 18 x 12 1/2 x 19 1/2. 3 x 12 x 12 1/2 x 19 1/2. 3 x 12 x 12 1/2 x 19 1/2. 3 x 12 x 12 1/2 x 19 1/2.</u>		✓	Thickness of remainder in Holds	<u>50.</u>	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<u>3 x 12 x 12 1/2 x 19 1/2. 3 x 12 x 12 1/2 x 19 1/2. 3 x 12 x 12 1/2 x 19 1/2. 3 x 12 x 12 1/2 x 19 1/2.</u>	✓	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?.....	<u>Yes.</u>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Holds, Angle, E or [<u>6 3 42.</u>		
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, [or [.....	✓	
Middle Line Keelson, on Floors, Angles, [or [.....	✓		Spacing	<u>Every.</u>	
" " Through Plate or Intercoastal Plate... ..	✓		R.Q. Second Deck, amidships, Angle, E or [<u>7 3 40</u>		
" " Foundation Plate on Floors	✓		Spacing.....	<u>Every.</u>	
" " 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 [.....	✓	
Solid Floors, thickness and spacing	<u>34. Every</u>		Spacing.....	✓	
" " Are Frame and Reversed Frame joggled?.....	<u>Yes</u>		Bridge Deck, Angle, [or [.....	✓	
Bracket Floors, breadth and thickness at middle line	✓		Spacing.....	✓	
" " breadth and thickness at margin plate.....	✓		Forecastle Deck, Angle, E or [<u>6 3 34</u>		
			Spacing	<u>Every</u>	

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.....			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	✓	
" " " " "			Thickness of Plating abreast Deck openings in way of Bridge	✓	
" in Holds " "	.349. B&S's: Every 4½ or 5 ft. framing as per actual profile.	✓	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	74 x .59	✓	If Plated, state thickness	✓	
" " " " in way of Bridge	✓	✓	Poop Deck.		
" Angle in Wells	6 6 .54	✓	Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells	✓	✓	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓	✓	Bridge Deck.		
Thickness of Plating within line of openings...	.30	✓	Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness	✓	✓	Plating, Sheathing, material and thickness ...	✓	
R.Q.			Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	24 x .30	
Stringer Plate, breadth and thickness in Wells...	72 x .45.	✓	Plating, Sheathing, material and thickness26. 2½" O.P.	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>no.</i>			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	42	.52	.48	.48		Double	3/4	3	3	7/8	3 1/8	Crapped	
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes	3	.46	.38	.38		Double	3/4	3	3	3/4	2 5/8	Crapped	
BILGE PLATING, No. of Strakes	1	.46	.38	.38		Do.	3/4	3	3	3/4	2 5/8	do	
SIDE PLATING, No. of Strakes	1	.46	.38	.38		Do.	3/4	3	3	3/4	2 5/8	do	
UPPER DECK, Sheer- strake in Wells.....	66	.54	.38	✓		Do.	3/4	3	3	7/8	3 1/8	do	
UPPER DECK, Sheer- strake in Bridge ...	52	.50	✓	.38		Do.	3/4	3	3	3/4	2 5/8	do	
^{U.D.B.} STRAKE BELOW, Sheer- strake in Wells.....	65	.46	.38	.38		Do.	3/4	3	3	3/4	2 5/8	do	
^{R.O.D.} STRAKE BELOW, Sheer- strake in Bridge ...	66	.46	✓	.38		Do.	3/4	3	3	3/4	2 5/8	do	
POOP SIDE PLATING	✓					✓							
BRIDGE SIDE PLATING ...	✓					✓							
FOREC'TLE SIDE PLATING			.32			Single	3/4	3	1	3/4	2 5/8	do	

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)					✓				
,, Deck next below					✓				
As per Rule					4				
					STIFFENERS.				
Plating Thickness.					VERTICAL.		HORIZONTAL.		
					Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKHD, Upper tween decks					✓				
,, Second ,,					✓				
,, Third ,,					✓				
,, Holds					✓	36-30	11x3½x50 BA 7 BS, 9x3½x46. 29"	✓	
COLLISION ,, (in Hold)					✓	44-26	10x3½x56 "" 24	✓	
AFTER PEAK ,,					✓	44-30	7x3x36 "" 24	✓	
					✓	KEEL, Bar	✓		
					✓	STEM	Forged	7½x1¾ Trodingham	
					✓	STERN FRAME {	Propeller Post	Forged	7x5½ T.S. Foster
							Rudder ,,	8½x5½	
					RUDDER—A x D		200.58		
					Speed of Vessel	Not exceeding 10 knots			
					RUDDER mainpiece at head	✓	Forging	6x6 T.S. Foster	
					,, ,, heel		6x3½		
					,, how constructed	Arms at pinches			
					,, double or single plate		45		
					,, coupling, vertical or horizontal	Horizontal			

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). *Open-hearth*
Cargo fleet, Consett, Dorman Long, Pease & Partners, South Durham, Appleby Iron Co.
Iron-ingham.
Has the Steel been tested as required by the Rules? *Yes.*

EQUIPMENT No. 14, 125.												LETTER <i>p</i>	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.			
33818.	1st Bower ...	31	0	14		✓		29	9	1	14		Byer's Imp'd Stacks.	✓	L.P.H.S. 18.9.31. G.H.B.
33829.	2nd " ...	30	0	14		✓		28	14	1	14		" " "	✓	L.P.H.S. 13.10.31. G.H.B.
33826.	3rd " ...	26	1	7		✓		25	18	0	14		" " "	✓	L.P.H.S. 3.10.31. G.H.B.
	Collective weight.	87	2	7								87-0-0.			
92498.	Stream	7	3	14	2	0	4	10	0	1	7.	7-3-0.	Ordinary	Kendrick & Mole	L.P.H.N. 14.8.31. H.G.

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.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
97487	240	1 10/16	47 1/2	66 1/2	321-1-0.		319-2-0.		240	1 10/16	Stud-Gun	✓	L.P.H.N. 20.9.31.H.G.	TOWLINE...	90	3 1/4	21.7.	90	3 1/4
														HAWSERS & WARPS	2290	2 1/4	10.8	2290	2 1/4
														"	2290	1 3/4	6.4	2290	1 3/4
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Steering Gear, Steam *Yes. Donkins.*

Steering Gear, Hand *Aux^y gear from winch.*

Boats *2 lifeboats. 1 Dinghy*

Steering Chains, Size and Test *Telemotor*

Windlass *Clarke Chapman*

Ceiling in Holds, thickness and material *None*

Cargo Battens, thickness, material and spacing *not fitted*

Cargo Hatchways.—(Upper Deck) *Steel plates and angles*

Thickness of Hatches *3 ins.*

Size of No. 1 Hatchway (Forward) *27'-0" x 20'-0"* No. 2 *30'-3" x 24'-0"* No. 3 *24'-9" x 24'-0"* No. 4 *23'-6" x 24'-0"* No. 5

No. 6

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

FOR
SWAN, HUNTER & WIGHAM RICHARDSON LTD.
Maxwell Hallard

Builder's Signature

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 built in accordance with the approved plans, the Secretary's letter and the Society's Rules.

The workmanship and material are good.

The freeboard has been verified and the marks cut in on the vessel's sides

The double bottom tanks, peaks and deep tank, decks, waterways and bulkheads have been tested as required by the Society's Rules and found satisfactory.

The windlass, steering gear and pumps have been tried under working conditions and found satisfactory.

The following approved plans are enclosed:—Midship Section, Profile, Decks, Punting Arrangements & Peaks Bulkheads, Deep Tanks Strengthening at Break, Bulkheads, Plan of Hatchways, Engines Boiler Casings, Stem-Frame & Rudder (2) 9 plans. Plans as built of Midship Section & Profile Decks enclosed. 2 plans

Forging Certificates:—Stem Frame & Rudder Frame (2.)

The amount of Entry Fee £ *5*

Fees applied for,

Special Survey Fee.... £ *152. 6*

Freeboard 6: 0: 0
Travelling Expenses, if any £

Received by me,

23.12.31

I am of opinion the Vessel should be Classed *+100A1.*

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

Signature

Colin Bartlett

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND*

Date of issue

28/12/31

Committee's Minute

FRI. 11 DEC 1931

Character assigned

+100A1

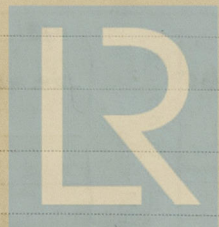
large battens not fitted

+ L.M.C. 12.31

C.L.

write N/A

Lloyd's A & C.P.



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Lloyd's Register Foundation

0118 3

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.)

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FLAT PLAT

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BILGE PLAT
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SIDE PLAT
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DEC
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STRAKE BEL
strake in

STRAKE BEL
strake in

POOP SIDE PL

BRIDGE SIDE

FORECASTLE SH

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Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	20-0-14.	K.H.	9271.	13.6.31.
	2nd "	19-2-7.	A.B.	6447.	24.6.31.
	3rd "	17-0-7.	K.H.	9290.	23.7.31.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. 144.8 ft., Bridge ☒ ft., Forecastle 27.5 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:) well DK;
Cargo battens not fitted.
Official No. 162,665. Signal Letters
Is bottom of Vessel coated with cement ☒ if not give
particulars of composition Cement in E. & B. tanks, remainder cement fillets at seams and butts.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	21	93.
Double bottom, under Engines and Boilers,	33.75	49.	After peak tank,	11.5	35.
Double bottom, if under Engines only,	✓	✓	Deep tank, at amidships	13.5	186.
Double bottom, if under Boilers only,	164.25	364.	Deep tank, forward,	✓	
Double bottom, forward,		413.	Other tanks, if fitted,		
Total capacity of double bottom			(If necessary, furnish further information by sketch.)		
198.00			* The wells are not to be included in the lengths of the tanks.		

Order for Special Survey No. 5765
Date 9.7.31
Dates of Surveys held while building
1931. July. 15. 16. 21. Aug. 11. 13. 18. 19. 21. 24. 25. 26. 27. 28. 31. Sep. 1. 3. 7. 8. 9. 10. 12. 14. 15. 16. 18. 21. 22. 24. 25. 29. 30. Oct. 2. 6. 7. 9. 12. 14. 16. 19. 20. 22. 26. 28. Nov. 4. 6. 10. 24. Dec. 1
2020
Lloyd's Register Foundation
Total No. of Visits 48