

STEEL STEAMER or MOTORSHIP.

Received at London Office

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

State if Report is sent on the Machinery of the Vessel

Date of completion of report

5th July 1928

Port of

Sunderland

No. 29785

Survey held at

Sunderland

Date First Survey

29th Decr 1927

Last Survey

3rd July

1928

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

Single Screw Steamer

STREONSHALH

(Machinery fitted amidships)

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

Single Deck, Full Scantling

State Type of Erections Coop. Bridge & Tole.

TONNAGE under
Tonnage Deck

3475.61

CLASS \times 100A1State if with freeboard
as condition of Class

Mo

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 348.50

Launched

2nd June 1928

Yard No. 222

Total

Breadth (greatest moulded)

B 49.83

Builders

Wm Pichengill & Sons Ltd.

Gross Tonnage

3894.9

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

D 25.83

Owners

Rowland & Marwood S.S. Co. Ltd.

Register Tonnage

2350.58

1st Longitudinal Number (L \times D) = 9001.75

Managers

Headlam & Son

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

2nd Numeral L \times (B + D) = 26367.51Framing Depth "d," at middle of length. See
Sec. 3 (1d)

22' 6"

Residence 43 Flowergate, Whitby

REGISTERED DIMENSIONS.

FEET.

Length

349.4

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

13.49

Port of Registry

Whitby

Breadth

50.1

Do. Long Bridge to top
of keel

10.30

If surveyed while building, afloat, or in dry dock

Depth

23.8

Draught Moulded

21' 6 $\frac{3}{4}$ "

While building.

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	36		Bracket Floors, Frame	7 \times 3 $\frac{1}{2}$ \times .37	7 \times 3 $\frac{1}{2}$ \times .35
" " from $\frac{1}{2}$ length to Collision bulkhead	27		" " Reversed Frame	6 $\frac{1}{2}$ \times 3 \times .35	
" " in peaks	24		" " Vertical Struts	11 \times 3 $\frac{1}{2}$ \times .475	11 \times 3 $\frac{1}{2}$ \times .46
SIDE FRAMING.			Centre Girder, depth and thickness amidships	36 \times .48	
Frame Amidships, Angle, [or]	12 \times 3 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ \times .47		" " top Angles	3 \times 3 \times .46	
" " Extends up to	Upper deck		" " bottom Angles	5 \times 5 \times .52	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	One .36	
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	34 \times .49	
Depth of Framing Girder	12"		" " Vertical Angle to Tank side	3 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ \times .40	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	7 \times 3 $\frac{1}{2}$ \times .375	6 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ \times .40	" " Bracket abaft $\frac{1}{2}$ len. from stem	6 \times 6 \times .40	
" " Second 'tween Decks, Angle, [or]			" " Vertical Angle to Tank side	5 \times 5 \times .40	
" " Third " " " "			" " Bracket forward $\frac{1}{2}$ len. from stem	5 \times 5 \times .44	
Framing in Peaks, Angle or [6 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ \times .42		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	6 \times 6 \times .44	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	7/8 R. 5 $\frac{1}{2}$ diams		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	6 \times 6 \times .44	
State if Frame Joggled	No		Tank Side Brackets, height above base line at toe of Frame and thickness	5'-6" .48	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Deck frames 12 \times 3 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ \times .40 with 4 \times 3 $\frac{1}{2}$ \times .40 riv. bar three rise stringers Bottom frames 5 \times 5 \times .36 Additional girders Three struts of shell of D thickness to collision bulkhead.	12 \times 3 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ \times .42 + 3 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ \times .40 riv. bar.	INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars			Breadth and thickness of Middle Line Strake	48" \times .46	.38
SINGLE BOTTOM.			Thickness of remainder in Holds	.45	.39
Floors, Depth and thickness at mid-line in Holds			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.	
Height of Brackets at side above base line at toe of frame			BEAMS.		
Middle Line Keelson, on Floors, Angles, [or]			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	7 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ \times .375	
" " Through Plate or Intercostal Plate			" " in way of Bridge, Angle, [or]	7 $\frac{1}{2}$ \times 3 $\frac{1}{2}$ \times .46	
" " Foundation Plate on Floors			Spacing	36	
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, [or]		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Third Deck, amidships, Angle, [or]		
" " Angles			Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, [or]		
Solid Floors, thickness and spacing	40 27, 36, 72		Spacing		
" " Are Frame and Reversed Frame joggled?	No		Poop Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line	29" \times .42		Spacing		
" " breadth and thickness at margin plate	29" \times .42		Bridge Deck, Angle, [or]		
			Spacing	36	
			Forecastle Deck, Angle, [or]		
			Spacing	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..... <i>Centreline</i>	<i>Bulkheads.</i>	<input checked="" type="checkbox"/>	Stringer Plate, breadth and thickness in way of Bridge		
<i>Poop</i>	<i>2 rows. 2 3/4" diam</i>	<input checked="" type="checkbox"/>	Thickness of Plating abreast Deck openings in way of Wells		
<i>in 'tween Decks, Size and Spacing.....</i>	<i>Altimati beams</i>	<input checked="" type="checkbox"/>	Thickness of Plating abreast Deck openings in way of Bridge		
<i>Bridge</i>	<i>Longitudinal B's</i>	<input checked="" type="checkbox"/>	Thickness of Plating within line of openings...		
<i>7/8"</i>	<i>.30 3/4 flange 3/8" apart.</i>	<input checked="" type="checkbox"/>	If Sheathed, material and thickness		
<i>in Holds</i>	<i>2 Longitudinal B's</i>	<input checked="" type="checkbox"/>	Third Deck.		
<i>" " " " " "</i>	<i>50 5 x 3 x .40 BA</i>	<input checked="" type="checkbox"/>	Stringer Plate, breadth and thickness.....		
<i>" " " " " "</i>	<i>54" apart.</i>	<input checked="" type="checkbox"/>	If Plated, state thickness.....		
Centre Line Bulkhead.	<i>10 x 3 1/2 x .41 N.B. 5 at</i>	<input checked="" type="checkbox"/>	Fourth Deck.		
Stiffeners and Spacing.....	<i>54" spacing</i>	<input checked="" type="checkbox"/>	Stringer Plate, breadth and thickness.....		
Plating, thickness of	<i>6 x 3 x .32 N.B. 5 at</i>	<input checked="" type="checkbox"/>	If Plated, state thickness		
	<i>36" spacing</i>	<input checked="" type="checkbox"/>	Poop Deck.		
STRINGERS AND DECKS.	<i>30 x .3125</i>	<input checked="" type="checkbox"/>	Stringer Plate, breadth and thickness		
Uppermost Continuous Deck.			Plating, Sheathing, material and thickness		
Stringer Plate, breadth and thickness in Wells	<i>56 x .81 - .50</i>	<input checked="" type="checkbox"/>	Bridge Deck.		
" " " " in way of Bridge	<i>56 x .36</i>	<input checked="" type="checkbox"/>	Stringer Plate, breadth and thickness.....		
" Angle in Wells	<i>6 x 6 x .81</i>	<input checked="" type="checkbox"/>	Plating, Sheathing, material and thickness		
Thickness of Plating abreast Deck openings in way of Wells	<i>5 x 5 x .60</i>	<input checked="" type="checkbox"/>	Forecastle Deck.		
Thickness of Plating abreast Deck openings in way of Bridge	<i>.64</i>	<input checked="" type="checkbox"/>	Stringer Plate, breadth and thickness		
Thickness of Plating within line of openings...	<i>.38</i>	<input checked="" type="checkbox"/>	Plating, Sheathing, material and thickness		
If Sheathed, material and thickness	<i>.39</i>	<input checked="" type="checkbox"/>			
Second Deck.					
Stringer Plate, breadth and thickness in Wells...					

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.									
FLAT PLATE KEEL	47	.68	.62	.62		Double	7/8	3 3/5	3	7/8	3 1/8	Lapped	
„ DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-	
BOTTOM PLATING, No. of of Strakes4..	64	.64	.44	.54		Double	7/8	3 3/5	3	7/8	3 1/8	Lapped	
BILGE PLATING, No. of Strakes1..	71	.64	.44	.54		"	7/8	3 3/5	3	7/8	3 1/8	"	
SIDE PLATING, No. of Strakes3..	71	.64	.42	.42		"	7/8	3 3/5	3	7/8	3 1/8	"	
UPPER DECK, Sheer- strake in Wells.....	49	.83	.42	.42		"	1	4	4 to 3	1"-7/8"	4"-3 1/8"	"	
UPPER DECK, Sheer- strake in Bridge ...	49	.64	-	-		"	7/8	3 3/5	3	7/8	3 1/8	"	
STRAKE BELOW Sheer- strake in Wells.....	49	.64	.42	.42		"	7/8	3 3/5	4 to 3	7/8	3 1/2 - 3/8	"	
STRAKE BELOW Sheer- strake in Bridge ...	-	.64	-	-		"	7/8	3 3/5	3	7/8	3 1/8	"	
POOP SIDE PLATING36				Single	7/8	3 3/5	1	7/8	3 1/8	"	
BRIDGE SIDE PLATING53				Double	7/8	3 3/5	3	7/8	3 1/8	"	
FOREC'TLE SIDE PLATING		.39				Single	7/8	3 3/5	1	7/8	3 1/8	"	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					Six ✓				
Extending to Upper Deck (Sec. 3 c)					Six ✓				
" Deck next below					—				
As per Rule					Six ✓				
					STIFFENERS.				
					Plating Thickness.	VERTICAL.		HORIZONTAL.	
						Scantlings.	Spacing.	Scantlings	Spacing.
MIDSHIP BULKHD, Upper tween decks									
"	"	Second	"						
"	"	Third	"						
"	"	Holds		.46 - .28	12 x 3 1/2 x 3 1/2 x .54	30 ✓ - -			
COLLISION (in Hold)					.48 - .26	9 x 3 x .50 ✓ 24 2 Semi-box beams			
AFTER PEAK					.32 - .30	8 x 3 x .50 ✓ 24 1 " " "			

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	-	-	-	-
STEM	<i>Rolls</i>	<i>8 3/4 x 2 1/4</i>	<i>The Industrial Steel & Co. Ltd.</i>	
STERN FRAME { Propeller Post	<i>Forging</i>	<i>9 3/4 x 6 7/16</i>	<i>J.S. Forster</i>	
{ Rudder "		<i>8 3/4 x 6 7/16</i>	<i>Sons Ltd.</i>	
RUDDER—A x D.		<i>126 x 3.12 = 393.12</i>		
Speed of Vessel		<i>9 1/2 knots</i>		
RUDDER mainpiece at head ...	<i>Forging</i>	<i>9"</i>	<i>J.S. Forster</i>	
" " heel ...		<i>6 3/4</i>	<i>Sons Ltd</i>	
" how constructed	<i>Forging</i>	<i>with arms shown on</i>		
" double or single plate	<i>Single</i>	<i>1.00</i>		
" coupling, vertical or horizontal.....	<i>Horizontal</i>	<i>23 1/4 diam</i>		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	
	<i>Southern Durham S & S. Co. Ltd; Consell Iron Co. Ltd; Bolekew Vanyhan & Co. Ltd; Norman Long & Co. Ltd; Appleby Iron Co. Ltd; Guest, Keen & Mettelfield Ltd; Cargo Fleet S. Co. Ltd; Huddingham S & S. Co.</i>	
	Has the Steel been tested as required by the Rules? <i>Yes</i>	

EQUIPMENT No. 27714-88												LETTER W		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.				
60943	1st Bower ...	53	1	14	-	-	-	44	8	3	0	52 1/2	Byers Type	S. Taylor & Sons Ltd	Lip 25-2-28 W.A. Drysdale
60914	2nd „ ...	52	3	14	-	-	-	44	3	1	21	52 1/2	Byers Type	S. Taylor & Sons Ltd	Lip 16-2-28 W.A. Drysdale
60944	3rd „ ...	45	0	14	-	-	-	39	6	2	7	44 1/2	Byers Type	S. Taylor & Sons Ltd	Lip 27-2-28 W.A. Drysdale
	Collective weight.	151	1	14								149 1/2			
	Stream	14	1	0	4	0	0	15	16	3	14	14 ex stock	Rockers	S. Taylor & Sons Ltd	SLD 30-3-28 ft. 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.	Stain- Break- tory. ing.	Tons.	Cwts. qrs. lbs.	Per Rule.	Cwts.	Fathoms.					Ins.	Length.		Cir.	Fathoms.	Ins.
15755	270	2 1/6	76.5	107.1	579.1.21	573.3.0		270	2 1/6	SLIND	S. Taylor & Sons	SLD. 13-4-28 J.H. Butler	TOWLINE...	120	4 1/2	39	120	4 1/2
													HAWSERS & WARPS	4/90	7 M.	-	4/90	7 M.
													"	2/90	3 1/4	22	-	
Iron Stream } Cable or Steel Wire }	90	4 1/2		39				90	4 1/2		R. Hood Haggis Son Ltd.		"	2/90	2 1/2	12 1/2	-	

Steering Gear, Steam	9" x 9" by J. Wigham & Sons Ltd.	Steering Gear, Hand	Steel wire tackles and trolley blocks.
Boats	2 Lifeboats 22.0 x 7.3 x 12.9	Boats	2 " 18.0 x 6.3 x 2.5
Steering Chains, Size and Test	2 1/2 W.W. Under hatches & over bulwarks	Cargo Battens, thickness, material and spacing	6 x 2 W.W. 9" apart
Ceiling in Holds, thickness and material	2 1/2 W.W. Under hatches & over bulwarks	Cargo Battens, thickness, material and spacing	6 x 2 W.W. 9" apart
Cargo Hatchways.—(Upper Deck)	Steel plates and angles	Thickness of Hatches	3"
Size of No. 1 Hatchway (Forward)	29' 3" x 20' 0"	No. 2	30' 0" x 20' 0"
No. 3	15' 0" x 20' 0"	No. 4	30' 0" x 20' 0"
No. 5	30' 0" x 20' 0"	No. 6	30' 0" x 20' 0"
Number of Shifting Beams and/or Fore and Afters	Four in No. 1, 2, 4 & 5; Two in No. 3.		

FOR W. PICKERSGILL & SONS, LTD.

Builder's Signature

Managing Director

GENERAL DECLARATION. *It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel.....Mo. (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo.....Mo. 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 and Secretary's letter. The materials and workmanship are good. The fireboard markings have been verified and cut in on the vessel's sides. The after peak tank, fore peak and double bottom tanks have been satisfactorily tested to rule requirements.

The bulkheads, decks, tunnel and W.T. doors have been hose tested and found satisfactory.

The windlass, winches, steering gear and W.T. doors have been tried and found in good working order.

The following approved plans (7 in number) are in the London Office, copies of which are now forwarded:- Midship Section; Profile and Decks; Painting Arrangements, bulkheads and upper peak floors; Strengthening of bottom forward; Centreline Bulkhead; Deck Girders and Hatch End Beams; Pumping Plan.

Your forgoing certificates are also forwarded herewith.

P.T.O.

The amount of Entry Fee	£	7	:	0	:	0	} Fees applied for. 6 JULY 1928
Special Survey Fee	£	269	:	15	:	0	
<i>Hd. Fee</i>		8	:	5	:	0	} Received by me, 13 8-28
Travelling Expenses, if any	£	✓	:		:		

I am of opinion the Vessel should be Classed ✠ 100 A1

State whether the Vessel has been built under Special Survey.

Signature

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to BUNDERLAND Date of issue 14/5/28

Committee's Minute

FRI. 13 JUL 1928

Character assigned

+ 100 A.1

1890 4.28

C2

Lloyd: A & P

July

Wise ~~at~~
" ~~at~~

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.)

The vessel was drydocked on completion (Messrs S.P. Austin's Pontoon) the bottom and sides examined, found in order and then re-coated.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	33-1-2	J.Q.	284	30-12-27
	2nd "	33-0-24	J.Q.	278	30-12-27
	3rd "	27-1-3	J.L.	145	18-8-27

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 32.72 ft., R.Q.D. — ft., Bridge 108 ft., Forecastle 35 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 Ah (SCL) ✓

Official No. 137,090 ; Signal Letters — Is bottom of Vessel coated with cement yes if not The particulars of composition —

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water
Double bottom, aft,	117.0	277.08	Fore peak tank,	—	—
Double bottom, under Engines and Boilers,	36.0	126.62	After peak tank,	20.0	15
Double bottom, if under Engines only,	—	—	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	155.25	454.23	Other tanks, if fitted,	—	—
Total capacity of double bottom		857.93	(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. 5659

Date 2.12.27

Dates of Surveys held while building

1927 Dec. 29, 1928 Jan. 4, 6, 9, 11, 17, 19, 25, 27, 30, Feb. 1, 3, 7, 16, 21, 23, 29, Mar. 14, 20, 22, 28, Apr. 3, 12, 16, 25, 30, May 4, 8, 9, 10, 14, 16, 23, 31, June 1, 4, 5, 11, 13, 19, 20, 22, 27, July 3

Lloyd's Register Foundation