

3 Decks.

## IRON OR STEEL STEAMER.

Received at London Office

MUN. 23 JAN 1905

Date of completion of report 21<sup>st</sup> January 05.

Port of Sunderland

No. 22124

Survey held at Sunderland

Date, First Survey 6<sup>th</sup> May 1904 Last Survey 18 January 1905

On the Steel screw Steamer "WALLACE"

Rig Schooner

TONNAGE under

THREE DECKED VESSEL.

Tonnage Deck...

CLASS 100A.1

FEET.

Master W Smith

Year of appointment (1) As Master in service of owner of present vessel: 1883 (2) As Master of this vessel: 1905

Built at Sunderland

When built 1905 Launched 26 Oct. 1904

By whom built Short Bros Ltd.

Owners Taylor &amp; Sanderson &amp; Co. Shipbuilders

Managers

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

Residence Sunderland

Port belonging to Sunderland

Do. of Poop 4.84  
Do. of Bridge House 6.16  
Do. of Forecastle 47.99  
Do. of Houses on Deck 103.28  
Do. of Access of Hatchways 40.96  
Do. of Crown of Engine Room 17.64  
Gross Tonnage 3930.06  
Less Crew Space 89.76  
Less above Crown of Engine Room 17.64  
TONNAGE FOR FEES 3822.66  
Less Engine Room 1257.62  
Less Navigation Spaces 50.32  
Gross Tonnage 2532.36  
Less out on Beam

Half Breadth (moulded) 24.08  
Depth from upper part of Keel to top of Upper Deck Beams (with the normal round up of beam) 29.42  
Girth of Half Midship Frame (as per Rule) 49.49  
deduct 7 feet 95.99  
1st Number  
Length on deck from after part of stem to fore part of stern post 352.96  
2nd Number 33881  
Proportions—Breadth to Length 7.33  
Depth to Length—Upper Deck to top of Keel 11.99  
Main Deck ditto  
Destined Voyage Cette

Length on Deck 352 11 Breadth Moulded 48 2 Depth, Actual—Top of Floors to top of Upper Dk. Beams 27 31 No. of Decks with flat laid One  
Do. do. do. do. Main Dk. Beams 27 31 No. of Tiers of Beams Two  
Round of Upper Dk. Beam, Actual 15 ins.

Dimensions of Ship per Register, Length 352.3 breadth 48.55 depth 27.25 Moulded depth, ft. 28 ins. 5 To Upper Dk.

FRAMING.				FORGINGS OR CASTINGS.			
Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
FRAME, Angles, or L or E Bars for 1/2 length amidships	6 1/2	3 1/2	9	6 1/2	3 1/2	9	7 flat plate keel
Do. for 1/2 at each end	6 1/2	3 1/2	8	6 1/2	3 1/2	8	11 x 2 1/8
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	9	3 1/2	3 1/2	9	11 x 6 3/4
Do. at intermdt. Bkts.	24	-	-	24	-	-	11 x 6 3/4
stance of Frames from moulding edge to moulding edge, all fore and aft	6 1/2	3 1/2	9	6 1/2	3 1/2	9	9
EVERSED FRAME, Angles 4 x 3 1/2 x 9	6 1/2	3 1/2	9	6 1/2	3 1/2	9	6 3/4
DEEP FRAMING, depth of girder	10	-	-	10	-	-	6 3/4
FLOORS, depth and thickness of Floor Plate at mid line for 1/2 length amidships	Cellular 8 lb. bottom	-	-	Cellular 8 lb. bottom	-	-	-
Do. in way of Engine and Boilers	with floor on every frame & 2 side girders	-	-	with floor on every frame & 2 side girders	-	-	-
thickness at the ends of vessel	-	-	-	-	-	-	-
depth at 1/2 the half breadth, as per Rule	-	-	-	-	-	-	-
height extended at the Bilges	44	-	8	44	-	8	-
FLOORS & BRACKETS in Cell Dble Bottoms	24	-	24	-	-	-	-
Distance apart	44	-	10	44	-	10	-
ENTRE GIRDER, in Double bottom, depth and thickness	4	4	9	4	4	9	-
Angles, Top	6 1/2	4 1/2	9	6 1/2	4 1/2	9	-
Bottom	3 1/2	3 1/2	8	3 1/2	3 1/2	8	-
SIDE GIRDERS, number on each side & thickness	2	8	2	8	-	-	-
Angles	3 1/2	3 1/2	8	3 1/2	3 1/2	8	-
MARGIN PLATE, depth (exclusive of flange) and thickness	3 1/2	-	10	3 1/2	-	10	-
Angles to Outside Plating	3 1/2	3 1/2	10	3 1/2	3 1/2	10	-
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	60	-	10	60	-	10	-
in Engine and Boiler space	-	-	10	-	-	10	-
Remainder in Holds	-	8	7	-	8	7	-
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	11	3 1/2	14	11	3 1/2	14	-
Angles on upper edge	3 1/2	3 1/2	10	3 1/2	3 1/2	10	-
Average space	48	-	-	48	-	-	-
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	-	-	-	-	-	-	-
Angles on upper edge	-	-	-	-	-	-	-
Average space	-	-	-	-	-	-	-
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	-	-	-	-	-	-	-
Angles on upper edge	-	-	-	-	-	-	-
Average space	-	-	-	-	-	-	-
BEAMS, Hold, or Orlop, Plate or Tee Bulb	12	-	11	12	-	11	-
Angles on upper edges	6	4	9	6	4	9	-
Average space	as per profile	-	-	as per profile	-	-	-
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	6	3	8	6	3	8	-
Angles on upper edge	-	-	-	-	-	-	-
Average space	24	-	-	24	-	-	-
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	7	3	9	7	3	9	-
Angles on upper edge	-	-	-	-	-	-	-
Average space	24	-	-	24	-	-	-
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	9 1/2	3 1/2	13	9 1/2	3 1/2	13	-
Angles on upper edge under Windlass	3	3	6	3	3	6	-
Average space	48	-	-	48	-	-	-
PILLARS, In 'tween Deck, size and spacing	2 1/4	-	48	2 1/4	-	48	-
Hold	Centre Bldg 5/16 with 8 x 3 1/2	-	-	Centre Bldg 5/16 with 8 x 3 1/2	-	-	-
Quarter 'tween Dks.	shippers (B.R.) spaced 48	-	-	shippers (B.R.) spaced 48	-	-	-
in Hold	Pillars at hatch holes 4 1/4	-	-	Pillars at hatch holes 4 1/4	-	-	-
WEB-FRAMES, In Fore Body, No. and spacing	-	-	-	-	-	-	-
breadth & thickness	-	-	-	-	-	-	-
No. of Side Stringers	-	-	-	-	-	-	-
WEB-FRAMES, In E. & B. Space, No. & spacing	-	-	-	-	-	-	-
breadth & thickness	-	-	-	-	-	-	-
WEB-FRAMES, In After Body, No. and spacing	-	-	-	-	-	-	-
breadth & thickness	-	-	-	-	-	-	-
No. of Side Stringers	-	-	-	-	-	-	-
Size of Angles or Tee Bars to Web-Frames	-	-	-	-	-	-	-
BRACKET PLATES to Stringers between Web-Frames, depth and thickness	-	-	-	-	-	-	-

If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

BULKHEADS.				STIFFENERS.			
In Vessel	Per Rule	Thickness	Horizontal	Inches	Vertical	Single or Double Frames	Height up
W. T. BULKHEADS	6	6	7 1/2	6	30	Single Upper 3 1/2	
PARTITION	-	-	-	-	-	-	-
LONGITUDINAL	-	-	-	-	-	-	-
Are the outside Plates doubled two spaces of Frames in length?	-	-	-	-	-	-	-
Are the Stance Valves and Watertight Doors in efficient working order?	-	-	-	-	-	-	-

W666-0231 (1/2)



PLATING.										RIVETING.																																																																																																																								
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		BUTTS.																																																																																																																									
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	RIVETS.		RIVETS.		STRAPS.		IF LAPPED.																																																																																																																			
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing or to cr.	Diam.	Spacing or to cr.	Breadth.	Thickness.																																																																																																																				
FLAT PLATE KEEL.....	48	19	13	13	48	19	Double	6	1	4	Double	1	3 1/2	19	14-10 1/2 full length																																																																																																																			
GARBOARD OR A STRAKE.....	60	14	12	12	60	14	"	5 1/2	7/8	3 1/2	Double	1	3 1/2	"	"																																																																																																																			
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C.....	60	11	9	9	60	11	"	"	"	"	do.	"	"	"	"																																																																																																																			
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E.....	48 1/2	13	10	10	48 1/2	13	"	"	"	"	do.	"	"	"	"																																																																																																																			
F.....	52	13	10	10	52	13	"	"	"	"	Double	"	"	"	9																																																																																																																			
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H.....	58	12	9	9	58	12	"	"	"	"	do.	"	"	"	"																																																																																																																			
J.....	64	12	9	9	64	12	"	"	"	"	do.	"	"	"	"																																																																																																																			
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DOUBLING OF FLAT PLATE KEEL.....	Keel plate and garboards increased in line of keel doubling																																																																																																																																	
Length of Bilges.....	at ends of bridge 22 ft. 1 1/2" thick																																																																																																																																	
Thickness of Sheerstrakes.....	7/16"																																																																																																																																	
Thickness of Strake below.....	7/16"																																																																																																																																	
POOP SIDES.....	7/16"																																																																																																																																	
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FORECASTLE SIDES.....	7/16"																																																																																																																																	
<p>Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &amp;c.: <i>Siemens-Martin steel</i></p> <p>Plates by <i>Consett &amp; Co. &amp; South Durham &amp; Co.</i></p> <p>Bars by <i>Consett &amp; Co. &amp; Palmers &amp; Co.</i></p> <p>Iron plates by <i>South Durham &amp; Co.</i></p> <p>Has the Steel been tested as required by the Rules? <i>yes.</i></p>																																																																																																																																		
<p>FRAMES extend in one length from <i>middle line</i> to <i>bilge</i>, and from <i>bilge</i> to <i>upper deck</i>.</p> <p>REVERSED FRAMES on floors and frames extend from <i>middle line</i> to <i>bilge</i> and from <i>bilge</i> to <i>upper deck</i>.</p>																																																																																																																																		
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<p>Boats <i>Two life boats and two others</i></p> <p>Pumps, Number <i>Saviton type (hand pump 70 gals)</i> Diameter of Barrel <i>4 1/2"</i> State whether they are in efficient working order <i>yes.</i></p> <p>Windlass is <i>Clarke Chapman &amp; Co.</i> Capstan.</p> <p>Engine Room Skylights. How constructed? <i>Steel plates and bars</i></p> <p>What arrangements for deadlights in bad weather? <i>Steel shutters and bullseyes.</i></p> <p>Coal Bunker Openings. How constructed? <i>Steel plates &amp; bars</i> How are lids secured? <i>Battens &amp; cleats</i> Height above deck? <i>12" and 18"</i></p> <p>Number of Scuppers, and numbers and dimensions of <i>Freeing Ports, &amp;c.</i> <i>Seven scuppers each side &amp; eight ports 3' 6" x 1' 4"</i></p> <p>Ceiling in Holds, thickness and material <i>2 1/2" white pine</i> Ceiling 'tween Decks, thickness and material <i>2" pine battens</i></p> <p>Cargo Hatchways. How formed? <i>Steel plates and bars, usual construction</i> Hatches, If strong and efficient? <i>Solid 2 1/2"</i></p> <p>State size No. 1 Hatch (Forward) <i>24' 0" x 16' 0"</i> No. 2 Hatch <i>24' 0" x 16' 0"</i> No. 3 Hatch <i>14' 0" x 16' 0"</i> No. 4 Hatch <i>24' 0" x 16' 0"</i></p> <p>Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch <i>One web plate in No. 3; Two webs in No. 2 and 4</i></p> <p>Two webs in No. 2 and one web in No. 5</p> <p>No. of Breasthooks <i>Seven</i> No. of Crutches <i>Deep floors</i></p> <p>Bulwarks, height above deck and description <i>Plates and clays 4' 3"</i> Main Rail, material and size <i>6 x 3 x 8/16" bull angle</i></p> <p>The above is a correct description.</p> <p>Builder's Signature <i>George Harrison</i> Surveyor to Lloyd's Register of British and Foreign Shipping.</p>																																																																																																																																		

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

*(M) 25<sup>th</sup> February and (E) 20<sup>th</sup> June 1904.*

Workmanship. Are the butts of plating planed or otherwise fitted? *planed and overlapped*

Is the riveted work properly closed? *yes.*

Are the liners between the frames and plates solid single pieces? *yes.* Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? *yes.* Are the rivet holes well and sufficiently countersunk in the plate and punched from the faying surfaces? *yes.* Do any rivets break into or through the seams or butts of plating? *a very few*

Are the butts of Plating, Stringers, &c., properly shifted and strapped? *yes.*

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *yes.* State results of tests *good.*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *yes.* State results of tests *good.*

General Remarks (State quality of workmanship, &c.)

*This vessel is built in accordance with the approved plans the Secretary's letters dated as above stated, and in other respects in conformity with the Rules. The materials and workmanship are good.*

The Surveyor should state the Number of Report and Name of any Sister Vessel.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *31.5* ft., R.Q.D. or Break *✓* ft., Bridge Dk. *109* ft., F'castle *33* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *✓*

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *10" (18" x 18") 2 TIERS BEAMS & DEEP FARMING*

Official No. *119206*; Signal Letters

How are the surfaces preserved from oxidation? Inside *portland cement & paint* Outside *paint*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *cellular system*

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Double bottom, aft,	<i>108</i>	<i>380</i>	Fore peak tank,		<i>85</i>
Double bottom, under Engines and Boilers,			After peak tank,		<i>77</i>
Double bottom, if under Engines only,	<i>24</i>	<i>86</i>	Midship deep tank,		
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	<i>156</i>	<i>502</i>	(If necessary, furnish further information by sketch.)		

\* The wells are not to be included in the lengths of the tanks. State whether the above have been tested as required by the Rules *yes.*

Order for Special Survey No. *4496*

Date *16.3.04*

No. *320* in builder's yard.

DATES OF SURVEYS held while building

*1904:—May 6, 9, 17, 18, 20, 26, 30, June 1, 2, 9, 14, 25, 24, 27, 29, 30, July 1, 4, 8, 9, 13, 14, 19, 22, 26, 27, 29, Aug 5, 8, 10, 12, 16, 18, 19, 24, 26, 29, 30, 31, Sept: 1, 6, 7, 10, 12, 14, 16, 19, 20, 21, 23, 28, 29, 30, Oct: 3, 4, 8, 10, 12, 14, 17, 19, 20, 22, 25, 28, 31, Nov: 2, 8, 9, 10, 11, 15, 17, 18, 21, 25, 28, 29, Dec: 2, 5, 6, 8, 12, 15, — 1905:—Jan 6, 9, 10, 18,*

Total No. of Visits *88*

The amount of Entry Fee.....£ *5* : 0 : 0

Special Survey Fee.....£ *120* : 11 : 6

Travelling Expenses, if any £ : : *24/11/105*

Fees applied for, *21.1.85*

Received by me, *George Harrison*

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

I am of opinion this Vessel should be Classed *100 A.1. L.A.R.C.P.*

With or without Freeboard, as condition of Class.

Committee's Minute *TUES. 24 JAN 1905*

Character assigned *100 A.1. (Stub)*

*Lloyd's A & B. P.*

*Wise Ltd.*

*+ Lmb. 1.05*

*elec. light*

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Lloyd's Register Foundation

W666-0231 (2/2)