

With or Without
Disconnected Erections.

STEEL STEAMER.

FRI. JUL. 24. 1914

Received at London Office

State if Report is also sent on the Machinery of the Vessel

Yes

Date of completion of report

2nd July 1914

Port of

SUNDERLAND

No. 26181

Survey held at

Sunderland

Date, First Survey

15-1-14

Last Survey

21-7-14

1914

On the (Steamer, Single, Twin, or Triple Screw)

"BENRINNES"

Rig Schooner

TONNAGE under

4508.70

CLASS 100 A.1.

FEET.

Master A. Wallace.

Year of appointment

(1) As Master in service of owner of present vessel: 1895
(2) As Master of this vessel: 1914

Do. between Tonnage Dk. and 3rd and 4th Dk.

Total under Upper Dk.

Do. of Poop 125.56

Do. of B.C. Dk. 163.44

Do. of Bridge House 50.27

Do. of Houses on Dk. 110.44

Do. of excess of Hatchways 33.13

Do. above Crown of Engine Room 4791.48

Gross Tonnage 130.90

Less Crew Space 4660.58

Less above Crown of Engine Room 1533.27

TONNAGE FOR FEES. 60.62

Less Engine Room 3066.69

Less Navigation Spaces

Breadth (greatest moulded) 57.

Depth, at middle of length from top of keel to top of upper deck beams at side 29.08

Transverse Number 80.33

Length on deck from fore part of stem to after part of stern post 390.0

Longitudinal Number 31328

Depth "d," at middle of length (See Secs. 2 & 13) 17.9

Proportions—Depths to Length—Upper Deck Beam at side to top of keel 13.4

" " Long Bridge Deck Beam at side to top of keel 10.5

Built at Sunderland

When built 1914

Launched June 10-1914

By whom built Messrs. Barham & Sons Ltd.

Owners T. Thomson & Co.

Managers

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

Residence 28 Bernard St. Leith

Port belonging to

Leith

Destined Voyage Leith, M'son, London If Surveyed while Building, Afloat, or in Dry Dock Yes

TH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
er Rule	390	0	Moulded	57		Do. do. do. do.	26	11 1/2	2
							18	11 1/2	No. of Tiers of Beams 2

Moulded depth, ft. 36 ins. 7 To Bridge Dk. Round of Upper Dk. Beam, Actual 16 1/2 ins.

Moulded depth, ft. 29 ins. 1 To Upper Dk.

ME, Angles, or Bars amidships	9 1/2	3 1/2	56	9 1/2	3 1/2	56	PILLARS, In 'tween Deck, size and spacing	2 1/4 x 3 1/2	alternate frames	2 1/4 x 3 1/2	alternate frames		
in peaks	7	3 1/2	42	7	3 1/2	42	" " Hold	"	"	"	"		
in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" " Quarter 'tween Dks.,	"	"	"	"		
" " at intermdt. Bkts.	7	3 1/2	46	7	3 1/2	46	" " in Hold	"	"	"	"		
ing of Frames from centre to centre amidships	27			27			KEELSONS & STRINGERS.						
" " from } length to Collision bulkhead	24			24			CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate						
" " in peaks	24			24			" Rider Plate						
ERSED FRAME, Angles	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Flat Plate Keel Angles						
in way of Double Bottoms at Solid Floors	7	3	38	7	3	38	" Horizontal Plates on Floors						
" " at intermdt. Bkts.	9			9			" Angles or Bulb Angles						
ING, depth of girder	9			9			" SIDE KEELSONS, Number						
ORS, depth and thickness of Floor Plate at mid-line for } length amidships							" Angles or Bulb Angles						
in way of Engine and Boiler Spaces							" Plate above floors, for length						
thickness at the ends of vessel							" Intercoastal Plate, for length						
depth at 1/2 the half breadth, as per Rule							" Attached to outside Plating with Angle						
height extended at the Bilges							BILGE KEELSON, Angles						
ORS in Cell. Double Bottoms	140			140			" Intercoastal Plate for length						
state if flanged (top & bottom)	not flanged			not flanged			" Attached to outside Plating with Angle						
Spacing of Solid floors	54			54			" SIDE STRINGERS, Number at ends only						
RE GIRDER, in Dbl. bottom, dpth. & thcknss.	42 x 50			42 x 50			" " Angle	6	4	40	6	4	40
" Angles, Top	4 1/2	4 1/2	60	4 1/2	4 1/2	60	" Intercoastal Plate, for length	32 x 40			32 x 40		
" " Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	60	" Attached to outside plating with Angles	3 1/2	3 1/2	40	3 1/2	3 1/2	40
" " to Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge)	60 x 66			60 x 66		
Brackets at intermdt. frmg., width & thcknss	36 x 40			36 x 40			" " " " br'dth & thickness (in way of Bridge)	60 x 48			60 x 48		
GIRDERS, number on each side & thickness	two 38			two 38			" " " " Angle (clear of Bridge)	5 x 5 x 68			5 x 5 x 68		
state if flanged (top and bottom)	not flanged			not flanged			" " Tie Plate at sides of Hatchways						
" Angles (top and bottom)	3 1/2	3 1/2	40	3 1/2	3 1/2	40	" Deck * Iron or Steel, for full lng.	50			50		
" " to Floors	3	3	40	3	3	40	" " Thickness (clear of Bridge)	38			38		
GIN PLATE, depth (exclusive of flange) and thickness	33 x 46			33 x 46			" " (in way of Bridge)						
" Angle to Outside Plating	3 1/2	3 1/2	46	3 1/2	3 1/2	46	Wood Deck, Material & thickness						
" " Floors	3 1/2	3 1/2	40	3 1/2	3 1/2	40	Main Second Deck Stringer Plate, br'dth & thickness	47 x 46			47 x 46		
Brackets at intermdt. frmg., width & thcknss	36 x 40			36 x 40			" Angles on ditto, No. two	3 1/2 x 3 1/2 x 46			3 1/2 x 3 1/2 x 46		
Height of Outside Brackets above at bilge	24			24			" Tie Plates outside Hatchways						
R BOTTOM PLATING, breadth and thickness of Middle Line Strake	60 x 48			60 x 48			" Deck * Iron or Steel, for full lng.	34			34		
" " in Engine and Boiler space	E. 5-48 B. 5-56			E. 5-48 B. 5-56			Wood Deck, Material & thickness						
" " Remainder in Holds	42			42			Third Deck Stringer Plate, br'dth & thickness						
IS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	44	7	3	44	" Angles on ditto, No.						
In way of Long Bridge							" Tie Plates, outside Hatchways						
Spacing							" Deck * Material and thickness						
IS, Second Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel	11	3 1/2	56	11	3 1/2	56	Fourth and Fifth Deck Stringer Plate, breadth & thickness						
Spacing							" " Angles on ditto, No.						
IS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel							" " Tie Plates outside Hatchways						
Angles on upper edge							" " Deck, Material & thickness						
Spacing							Poop Deck Stringer Plate, breadth & thickness	48 x 38			48 x 38		
IS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	16	3	36	16	3	36	" Angle on ditto	3 1/2 x 3 1/2 x 34			3 1/2 x 3 1/2 x 34		
Angles on upper edge	16 1/2	3	36	16 1/2	3	36	" Tie Plates						
Spacing							" Deck, Material and thickness	38			38		
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	7	3	40	7	3	40	Bridge Deck Stringer Plate, br'dth & thickness	60 x 54			60 x 54		
Angles on upper edge							" Angle on ditto	5 x 5 x 58			5 x 5 x 58		
Spacing							" Tie Plates						
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	9	3 1/2	50	9	3 1/2	50	" Deck, Material and thickness	38			38		
Angles on upper edge							Forecastle Deck Stringer Plate, b'dth & th'kns	48 x 34			48 x 34		
Spacing							" Angle on ditto	3 1/2 x 3 1/2 x 34			3 1/2 x 3 1/2 x 34		
							" Tie Plates						
							" Deck, Material and thickness	30 steel sheathed with 5 x 3 pine					

WEB FRAMES.	Inches in Ship.	Inches in Ship.	Inches per Rule, Or as App. proved.
WEB-FRAMES, In Fore Body, No. and spacing			
" " brdth. & thickness			
" No of Side Stringers "			
WEB-FRAMES, In E. & B. Space, No. & spacing			
" " brdth. & thickness			
WEB-FRAMES, In After Body, No. and spacing			
" " brdth. & thickness			
" No. of Side Stringers			
" Size of Face Angles to Web-Frames.....			
BACKET PLATES to Stringers between			
Web Frames, depth and thickness.....}			

	Number. Vessel.	Per Rule.	Thickness. Inches.	STIFFENERS.		Single or Double Frames.	Height up, state deck.
				Horizontal. Size, Spacing Inches.	Vertical. Size, Spacing Inches.		
W.T.BULKHEADS	6	6					
AFT PEAK			.36	1 Semi Box	E 3/4 x 3/4 24	Single M.D.K.	M.D.K.
Aft Head & L&A.R.			.40-36		E 1/2 x 1/2 24	"	M.D.K.
S.Room			.26-.26		E 3/4 x 3/4 30	"	U.P.D.K.
FORE HOLD			.28-.26		M 3/8 x 1/2 30	"	U.P.D.K.
" COLLISION "			.40-26	8x3/4x12	L 1/2 x 1/2 24	"	U.P.D.K.
PARTITION							
LONGITUDINAL,,							

Are the outside Plates doubled two spaces of Frames in length? *Bracket filled on plan p.*

Are the *Rivets* Watertight Doors in efficient working order? *Yes.*

FORGINGS or CASTINGS.				Inches in Ship.		Inches per Rule, Or as Approved.	
KEEL, Bar, depth and thickness			Flat plate Keel				
STEM, moulding and thickness	10 x 2 3/4		10 x 2 3/4				
STERN-POST for Rudder do. do.	9 x 7 1/2		9 x 7 1/2				
" for Propeller	10 x 7 1/2		10 x 7 1/2				
RUDDER-A X D * Table 22. Speed 10 to 12 knots	Main-Piece, diameter at head		10		10		
" "	at heel		7 1/2		7 1/2		

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, &c.? *Coxsett Iron Co. South Durham S.I.C. Palmers and Cargo Sheet (Sumner's Machine open hearth process)*

Has the Steel been tested as required by the Rules? *Yes.*

PLATING.										RIVETING.									
STRAKES.		AS IN SHIP.				PER RULE OR AS APPROVED.				EDGES.				BUTTS.					
		AMIDSHIP.		FORWARD.		AFT.		Ordinary or jogged?		Ordinary.		Butts.		If Lapped.					
Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.				
FLAT PLATE KEEL..... (1 Bar Keel, state Riveting.)	47	.98	.40	.70	47	.98	Doubt	6 3/4	1 1/8	4 1/2	Quad	1 1/8	4 1/2		16				
GARBOARD OF A Strake	63 1/2	.64	.46	.46		.64		5 1/4	7/8	3 3/8		7/8	3 1/2		12				
State actual thickness in way of Double Bottom.	B	.62 1/2	.64	.46	.46	.64		5 1/4											
	C	.62 1/2	.64	.46	.46	.64		5 1/4											
	D	.61 1/2	.64	.46	.46	.64		5 1/4											
	E	.63	.64	.46	.46	.64		5 1/4											
	F	.62	.66	.44	.44	.66		5 1/4											
	G	.65	.66	.44	.44	.66		5 1/4											
	H	.65	.66	.44	.44	.66		5 1/4											
	J	.65	.66	.44	.44	.66		6	7/8										
	K	.62 1/2	.66	.44	.44	.66		6	7/8										
<i>Upper St. Star</i>	L	.47	.62	.44	.44	47	.62	6	7/8										
<i>Bridge Plate</i>	M	.50 1/2	.62			.62		5 1/4	7/8										
N	O	.47 1/2	.68			.68													
P	Q																		
R	S																		
T	U																		
V	W																		
THICKNESS OF STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DELG. OF Flat Plate Keel	47	✓ .82		47	1.00	.52		6	7/8	3 3/8	Quad	1 1/8	4 1/2	2 1/2	.68	12			
" Sheerstrokes Length and thickness. }	Each end of Bridge 22' 6" x .64																		
POOP SIDES38		.38		Single	3	7/8	3 3/8	Doct	7/8	3 1/8		5			
SHORT BRIDGE SIDES ...																			
FORECASTLE SIDES			✓ .40			.40		.	3	7/8	3 3/8	Doct	7/8	3 1/8		5			

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EQUIPMENT No. 32,595										LETTER 3										ANCHORS.										Tonnage U.K. OR PLATING No. FOR TRAWLERS										FRI. JUL. 24 1914																																																																																																													
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK				WEIGHT OF STOCK				TEST, PER CERTIFICATE				WEIGHT REQUIRED BY TABLE 31.				Description of Anchor.				Makers.				Where and when tested and Superintendent.																																																																																																																									
Cwt.		qrs.		lbs.		Cwt.		qrs.		lbs.		Tons.		cwt.		qrs.		lbs.		Cwt.		qrs.		lbs.		Cwt.		qrs.		lbs.																																																																																																																							
62382		1st Bower		74		1		0		-		-		55		15		0		60		0		0		Steelless		S. Taylor & Sons		L.P.H.T. 16.5.14		C.E.																																																																																																																					
71377		2nd "		49		2		17		12		1		26		42		4		48		0		0		Iron Steel		W. Hingly & Sons		L.P.H.N. 21.5.14		H. GREEN.																																																																																																																					
71384		3rd "		41		2		9		10		1		17		36		7		40		2		0		"		"		"		H. GREEN																																																																																																																					
71376		4th "		165		1		26		-		-		-		-		-		148		2		0		"		"		"		"																																																																																																																					
71376		Collective weight		16		1		26		4		1		16		17		14		0		9		-		Iron Steel		W. Hingly & Sons		L.P.H.N. 21.5.14		H. GREEN																																																																																																																					
71378		Stream		7		0		0		1		3		11		9		5		0		0		-		"		"		"		"																																																																																																																					
71378		Kedge		7		0		0		1		3		11		9		5		0		0		-		"		"		"		"																																																																																																																					
CHAIN CABLES.																														HAWERS AND WARPS.																																																																																																																							
Number of Certificate.		Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE				Length and Size per Table 31.				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 31.																																																																																																																											
Fathoms.		Ins.		Tons.		Cwt.		qrs.		lbs.		Cwt.		qrs.		lbs.		Fathoms.		Ins.		Fathoms.		Ins.		Fathoms.		Ins.																																																																																																																									
7139		135		2 3/4		96 1/2		120 1/2		326		2 1/2		270		2 3/4		Steel		W. Hingly & Sons		L.P.H.S. 21.5.14		H. GREEN		TOWLINE		Fathoms.		Ins.		Tons.		Cwt.		qrs.		lbs.																																																																																																															
56215		135		2 3/4		96 1/2		120 1/2		326		2 1/2		270		2 3/4		Steel		W. Hingly & Sons		L.P.H.S. 21.5.14		H. GREEN		HAWERS & WARPS		Fathoms.		Ins.		Tons.		Cwt.		qrs.		lbs.																																																																																																															
7139		90		1 3/4		47 1/2		120 1/2		326		2 1/2		270		2 3/4		Steel		W. Hingly & Sons		L.P.H.S. 21.5.14		H. GREEN		"		Fathoms.		Ins.		Tons.		Cwt.		qrs.		lbs.																																																																																																															
7139		90		1 3/4		47 1/2		120 1/2		326		2 1/2		270		2 3/4		Steel		W. Hingly & Sons		L.P.H.S. 21.5.14		H. GREEN		"		Fathoms.		Ins.		Tons.		Cwt.		qrs.		lbs.																																																																																																															
Boats 2 Lifeboats 28'0" x 12'0" - 1 Dinghy 18'0"																														Steering Gear, Steam fitted																														Steering Gear, Hand fitted																																																																																									
Pumps, Number 1 Down and 2 Hand pumps.																														Diameter of Barrel 5" x 3/4"																														State whether they are in efficient working order Yes																																																																																									
Windlass is Blake Chapman 18" (Steam)																														Capstan																														Yes																																																																																									
Engine Room Skylights. - How constructed? Steel plate tangles																														What arrangements for deadlights in bad weather? Hinged flap bulwark eyes																														Yes																																																																																									
Coal Bunker Openings. - How constructed? How are lids secured? Stoppers & cleats																														Height above deck? 30"																														Yes																																																																																									
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 8 Scuppers each side x 8 wash port doors each side.																														Cargo Battens, thickness and material 7/2 w. pine																														Yes																																																																																									
Ceiling in Holds, thickness and material 5" H.P. over large only.																														Hatches, If strong and efficient? Yes 3" pine																														Yes																																																																																									
Cargo Hatchways. - How formed? Metal construction Steel plate and angle.																														No. 1 Hatch (Forward) 22'6" x 18'0"																														No. 2 Hatch 21'6" x 18'0"																														No. 3 Hatch 36'0" x 18'0"																														No. 4 Hatch 27'0" x 18'0"																													
State size No. 1 Hatch (Forward) 22'6" x 18'0"																														No. 2 Hatch 21'6" x 18'0"																														No. 3 Hatch 36'0" x 18'0"																														No. 4 Hatch 27'0" x 18'0"																														No. 5 Hatch 27'0" x 18'0"																													
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 12'1-3 webs 18'2=5 webs 18'3=6 webs 18'4=4 webs																														No. of Breasthooks 8																														No. of Crutches 2 Dup floors.																																																																																									
Bulwarks, height above deck and description 4'0" x 26" Steel plate																														Main Rail, material and size 6 x 3 1/2 x 7/8 B Angle																														Yes																																																																																									
The foregoing is a correct description of the vessel																														Surveyor's Signature W.A. Brydon																														Surveyor to Lloyd's Register of British and Foreign Shipping.																																																																																									
Builder's Signature (three only) William V. Bartram																														Surveyor's Signature W.A. Brydon																														Surveyor to Lloyd's Register of British and Foreign Shipping.																																																																																									
Correspondence. - State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) 11 Oct 1913																														11 Oct 1913																														11 Oct 1913																														11 Oct 1913																														11 Oct 1913																													
11 Oct 1913, 5 Nov 1913, 6 Nov 1913, 17, 30 April																																																																																																																																																					

GENERAL REMARKS—(continued).

YES

These particulars

Signal Letters (if

Official Number.

1 3509

No., Date, and Port of

Whether British or Foreign Built.

British

Number of Decks

Number of Masts

Rigged ...

Stern ...

Build ...

Galleries ...

Head ...

Framework and descr

vessel ...

Number of Bulkheads

Number of water balla

and their capacity in

Total to quarter the depth from w

to bottom of keel

No. of sets of Engines.

Description of Eng

One. Iriv-compo

No. of Shafts.

Particulars of Boi

One

Description

Number

Iron or Steel

Loaded Pressure

GROSS T

Under Tonnage Deck

Space or spaces between

Turret or Trunk ...

Forecastle ...

Bridge space ...

Poop or Break ...

Side Houses ...

Deck Houses ...

Chart House ...

Spaces for machinery, an

Section 78 (2) of the M

1894 ...

Excess of Hatchways

Gross Tonnage

Deductions, as per Contr

Registered Tonn

NOTE 1.—The tonnage of the

Deck for propelling

NOTE 2.—The undermentioned

Open for

13

Name of Master

No. of Owners

Name, Residence, and D

10. William Sh

James Wishar

Henry Murra

Edward Gordon

Dated 17 July

Total No. of Visits

(886) (6 862) Wt. 28981/72 1000

(81762) 20349/8 200

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 37.16 ft., R.Q.D. ✓ ft., Bridge 112.5 ft., Forecastle 41 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *not joined*

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 should appear in the Register Book) *2 Dks (Steel)*

Official No. 135099 ; Signal Letters State if Machinery is fitted aft *No*

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.

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Ca
	Feet.	Tons.		Feet.	Ton
Double bottom, aft,	141.9	389	Fore peak tank,		
Double bottom, under Engines and Boilers,	42.9	155	After peak tank,		
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	162.0	487	Other tanks, if fitted,		
	Total capacity of double bottom	1031	(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. 5118

Date 25-9-13

No. 233 in builder's yard.

DATES OF SURVEYS held while building

1914 Jan. 15. 19. 22. 23. 26. 27. 28. 29. 30. Feb. 2. 5. 10. 16. 18. 23. Mar. 9. 12. 13. 16. 18. 23. 24. 26. 30. 31. Apr. 2. 3. 17. 27. May 5. 12. 13. 14. 15. 18. 21. 22. 26. 27. Jan. 3. 6. 17. 19. 22. 25. 29. 30. Jul. 1. 3. 6. 10. 14. 15. 17. 18. 20. 21.

Surveyor's Signature

W.A. Brydon.

Lloyd's Register Foundation