

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 26266

Port of **SUNDERLAND.**

Date of completion of Report **31 OCT 1914**

Received at London Office **MON NOV - 2 1914**

Survey held at **Sunderland**

Date, First Survey **1 April**

Last Survey **29 October 1914**

On the (State if Single, Twin, or Triple Screw) **Single Screw**

"**EXFORD**"

Rig **Schooner**

TONNAGE under Tonnage Deck **4264.32**

CLASS **100 A.1.**

FEET.

Master **W. Hughes**

Year of Appointment

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

Do. between Tonnage Dk. and 3rd Ath. or Awning Dk.

Breadth (greatest moulded) **51.75**

Total under Upper Dk.

Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck **28.00**

Do. of Roop SIDE HOUSES **5.32**

Deduct height of 'tween deck when this does not exceed 8ft. **8.00**

Do. of R. Q. Dk. EX HATCH **2.22**

Transverse Number **79.75**

Do. of Bridge House **22.00**

Length on deck from fore part of stem to after part of sternpost **400.0**

Do. of Forecasts **69.94**

Longitudinal Number **31900**

Do. of Houses on Deck **133.65**

Depth "d" at middle of length. See Secs. 2 & 13 **24.66**

Do. of excess of Hatchways **7.79**

Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel **11.1**

Do. above Crown of Engine Room

" " " Upper Deck at side to top of keel **14.2**

Gross Tonnage **4503.24**

Less Crew Space **125.00**

Less above Crown of Engine Room

TONNAGE FOR FEES **4378.24**

Less Engine Room **1441.04**

Less Navigation Spaces **98.50**

Register Tonnage **2838.70**

Destined Voyage **Bristol Channel**

If Surveyed while Building, Afloat, or in Dry Dock **Yes**

LENGTH on Deck as per Rule	Ft.	Ins.	BREADTH Moulded	Ft.	Ins.	DEPTH, ACTUAL—Top of Floors to top of Awning or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid
400	0	0	51	9	0	28	0	5 1/2	two

Dimensions of Ship per Register, Length **400.0** breadth **52.0** depth **25.46** Upper Deck. Moulded depth, ft. **36** ins. **0** To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual **13** ins

FRAMING.				PILLARS.				Inches, Size in Ship.				Inches, Spacing in Ship.				Inches, per Rule, Or as Approved.					
								PILLARS, In 'tween Deck, size and spacing				H				H					
FRAME, Angles, or \angle Bars, amidships				12	3 1/2	64	12	3 1/2	64	" " Hold				#				H			
Do. in peaks				7	3 1/2	42	7	3 1/2	42	" Quarter, 'tween Dks., "				H				H			
Do. in way of Double Bottoms at Solid Floors				3 1/2	3 1/2	40	3 1/2	3 1/2	40	" in Hold				H				H			
" " \angle at intermdt. Bkts.				8	3 1/2	42	8	3 1/2	42												
Spacing of Frames from centre to centre amidships				30			30														
" length to collision bulkhead				27			27														
" of Frames from centre to centre in peaks				24			24														
REVERSED FRAME, Angles				Bull Angle frames																	
Do. in way of Double bottoms at Solid Floors				3 1/2	3 1/2	40	3 1/2	3 1/2	40												
" " \angle at intermdt. Bkts.				7 1/2	3	42	7 1/2	3	42												
FRAMING, depth of girder				12			12														
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships				Cellular double bottom																	
" in way of Engine and Boiler spaces				Cellular double bottom																	
" thickness at the ends of vessel				Cellular double bottom																	
" depth at 1/2 the half-bdth. as per Rule				Cellular double bottom																	
" height extended at the Bilges				Cellular double bottom																	
FLOORS, in Cell Double Bottoms				40	B.S. 50		40	B.S. 50													
" state if flanged (top and bottom)				not flanged																	
" spacing of Solid				every third frame																	
CENTRE GIRDER, in Dbl. bottom, dpth. & thkness				43 x 50			43 x 50														
" Angles, Top				4 1/2	4 1/2	60	4 1/2	4 1/2	60												
" Bottom				4 1/2	4 1/2	60	4 1/2	4 1/2	60												
" to Floors				3 1/2	3 1/2	40	3 1/2	3 1/2	40												
" Brackets at intermdt. frmg., wdth & thkness				30 x 40			30 x 40														
DE GIRDERS, number and thickness				two 40			two 40														
" state if flanged (top & bottom)				not flanged																	
" Angles				3 1/2	3 1/2	40	3 1/2	3 1/2	40												
MARGIN PLATE, depth (exclusive of flange) and thickness				35 x 48			35 x 48														
" Angles to outside plating				4	4	48	4	4	48												
" to floors				3 1/2	3 1/2	40	3 1/2	3 1/2	40												
" Brackets at intermdt. frmg., wdth & thkness				30 x 40			30 x 40														
" Height of Brackets above at bilge				49			49														
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake				66 x 46			66 x 46														
" thickness in Engine and Boiler space				E.S. 52 B.S. 56			E.S. 52 B.S. 56														
" Remainder in Holds				44			44														
BEAMS, Awng or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel				6	3	40	6	3	40												
" Spacing				every frame																	
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel				6 1/2	3	40	6 1/2	3	40												
" Spacing				every frame																	
BEAMS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel				every frame																	
" Angles on upper edge				every frame																	
" Spacing				every frame																	
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				every frame																	
" Angles on upper edge				every frame																	
" Spacing				every frame																	
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				every frame																	
" Angles on upper edge				every frame																	
" Spacing				every frame																	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel				every frame																	
" Angles on upper edge				every frame																	
" Spacing				every frame																	

PILLARS.				Inches, Size in Ship.				Inches, Spacing in Ship.				Inches, per Rule, Or as Approved.			
PILLARS, In 'tween Deck, size and spacing				H				H				H			
" " Hold				#				#				#			
" Quarter, 'tween Dks., "				H				H				H			
" in Hold				H				H				H			
KEELSONS AND STRINGERS.				Inches, Size in Ship.				Inches, Spacing in Ship.				Inches, per Rule, Or as Approved.			
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate															
" Rider Plate															
" Flat Keel Plate Angles															
" Horizontal Plates on Floors															
" Angles or Bulb Angles															
SIDE KEELSONS, Number															
" Angles or Bulb Angles															
" Plate above floors, for length															
" Intercoastal Plate, for length															
" Attached to outside plating with Angle															
BILGE KEELSON, Angles															
" Intercoastal Plate, for length															
" Attached to outside plating with Angle															
SIDE STRINGERS, Number				One											
" Angle				6 1/2				3 1/2				50			
" Intercoastal Plate, for full lng.				42								42			
" Attached to outside plating with Angle				3 1/2				3 1/2				42			
Awning or Shelter Deck Stringer Plates, breadth and thickness				56 x				56				56 x			
" Angle on ditto				5 x 5 x				58				5 x 5 x			
" Tie Plates, fore and aft, outside Hatchways															
" Deck, * Iron or Steel, for full lng.				42								42			
" Wood Deck, Material & thickness															
Upper Deck Stringer Plate, breadth and thickness				60 x				48				60 x			
" Angles on ditto, No.				3 1/2				3 1/2				46			
" Tie Plates, outside Hatchways															
" Deck, * Iron or Steel, for full lng.				36								36			
" Wood Deck, Material & thickness															
Second Deck Stringer Plates, br'dth & th'kness															
" Angles on ditto, No.															
" Tie Plates, outside Hatchways															
" Deck, * Material and thickness															
Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness															
" Angles on ditto, No.															
" Tie Plates, outside Hatchways															
" Deck, Material and thickness															
Poop Deck Stringer Plate, breadth & thickness															
" Angles on ditto															
" Tie Plates															
" Deck, Material and thickness															
Bridge Deck Stringer Plate, br'dth & thickness															
" Angle on ditto															
" Tie Plates															
" Deck, Material and thickness															
Forecastle Deck Stringer Plate, br'dth & th'kness															
" Angle on ditto															
" Tie Plates															
" Deck, Material and thickness															

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David's R

WEB FRAMES.
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
BRACKET PLATES to Stringers between
Web Frames, depth and thickness

FORGINGS or CASTINGS.
Inches in Ship.
Inches per Rule.
KEEL, Bar, depth and thickness
STEM, moulding and thickness
STERN-POST for Rudder do. do.
for Propeller
RUDDER-AxD* Table 22. Speed
Main-Piece, diameter at head
at heel

BULKHEADS.
Number.
Vessel. Per Rule.
Thickenss.
STIFFENERS.
Horizontal. Vertical.
Size. Spacing. Size. Spacing.
W.T.BULKHEADS
AFT PERK
AFTER HOLD
ENG. B. ROOM
FORE HOLD
COLLISION
PARTITION
LONGITUDINAL

RUDDER, how constructed
Thickenss of Plates or Single Plate
Can the Rudder be unshipped afloat?

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.
Consell Iron Co. Ltd., South Durham Steel & Iron Co.
Palmer and cargo Steel Iron Co.

Are the outside Plates doubled two spaces of Frames in length?
Are the Hatch Valves and Watertight Doors in efficient working order?

Has the Steel been tested as required by the Rules?

PLATING.
STRAKES.
AS IN SHIP.
AMIDSHIP. FORWARD. AFT.
PER RULE OR AS APPROVED.
AMIDSHIP.
Breadth. Thickness. Thickness. Thickness. Breadth. Thickness.
FLAT PLATE KEEL
GARBOARD OR A Strake
State actual thickness in way of Double Bottom.
B
C
D
E
F
G
H
J
K
L
M
N
O
P
Q
R
S
T
U
V
W
THICKNESS OF STRAKE
CLEAR OF LONG BRIDGE
DO. OF STRAKE BELOW
DELG. of Flat Plate Keel
Sheerstrakes
Length and thickness.
POOR SIDES
SHORT BRIDGE SIDES
FORECASTLE SIDES

RIVETING.
EDGES.
Ordinary or jogged?
Single or Double. Breadth of Lap. Rivets.
Double Treble and for what Length. Rivets.
Diam. Spacing cr. to cr. Diam. Spacing cr. to cr.
BUTTS.
RIVETS. STRAPS. IF LAPPED.
Diam. Spacing cr. to cr. Breadth. Thickenss. Breadth. For what Length.
All butts overlapped

Awning or Shelter Deck
Stringer Plate
Upper Deck
Stringer Plate
Butts, riveted for
Straps, single, double or overlapped for
length amidship.

Butts of Side Stringers
Tie Plates
Inner Bottom Plating, riveting of Edges
Centre Girder Butts, riveted
Keelson Butts, riveted
Frames, riveted through Plates with
Rivets, state whether Iron or Steel

FRAMES extend in one length from
REVERSED FRAMES on floors and frames extend from
Intermediate frames 6x3 1/2 x 46 angles.

MASTS, SPARS, &c.
Material. Total Length.
DIAMETER AND THICKNESS.
At Partners. Heel. Hounds. Head.
No. of Plates in round.
ANGLES.
Number. Size.
RIVETING.
Seams. Butts.
LOWER MASTS.
Fore
Main
Mizzen
Topmasts, Yards and Remainder of Spars
Rigging, Material and Size, Shrouds
Sails.
Sails, and the following spare sails.

EQUIPMENT No. 34450 LETTER 3										ANCHORS.									
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE.				WEIGHT REQ. BY TABLE 31.			Description of Anchor.	Makers.	Where and when tested and Superintendent.		
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.					
71696	1st Bower	60	3	10	-	-	-	48	17	2	0	48	0	0	Stockless	N. Hingley & Sons	L.P.H.N. 13.5.14. H. Green.		
71695	2nd "	58	2	14	-	-	-	47	11	1	0	48	0	0	"				
71694	3rd "	51	1	14	-	-	-	43	4	2	21	40	2	0	"				
Collective weight		170	3	10	-	-	-	-	-	-	-	136	2	0	"				
71698	Stream	16	1	20	4	1	0	17	16	1	0	16	1	0	Iron Stock	"	"	"	"
71697	Kedge	7	0	23	1	3	19	9	9	1	14	7	0	0	"	"	"	"	"

CHAIN CABLES.													HAWSERS AND WARPS.							
Number of Certificate.	Length and Size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.				Fathoms 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 Towline.	Fathoms and size per Table 31.	
	Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.						Length.	Cir.			
																			Fathoms.	Ins.
7208	135	2 3/4	86 1/2	120 1/2	325-0-6	322-3-14	270	2 3/4	Lead	N. Hingley & Sons	L.P.H.S. 15-7-14 Taffers		TOWLINE	120	4 3/4	47	120	4 3/4		
7209	135	2 3/4	86 1/2	120 1/2	325-1-19	322-3-14			Lead	"	" " "		HAWSERS & WARPS	2-90	8		2-90	8		
Less Stream (Chain or Steel Wire...)	270	Cir.						Cir.					"	2-90	7		2-90	7		
	90	4 3/4		47	650-1-19	645-3-0	90	4 3/4					"	2-90	3	18				

Boats 2 Lifeboats 26'0"-1 Gig 18'0"+1 Jollyboat. **Steering Gear, Steam** fitted **Steering Gear, Hand** fitted

Pumps, Number One Dunston **Diameter of Barrel** 4 3/4" **State whether they are in efficient working order** Yes

Windlass is Blake Chapman & Co. (Steam) **Capstan** ✓

Engine Room Skylights.—How constructed? Steel plates & angles **What arrangements for deadlights in bad weather?** Hinged flaps & bulls' eyes.

Coal Bunker Openings.—How constructed? " **How are lids secured?** Lappaulin's seals **Height above deck?** 30"

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 9 Scuppers each side - 1 Port each side 2'0" x 1'9"

Ceiling in Holds, thickness and material In way of hatches & liners only 2 1/2" **Cargo Battens, thickness and material** 7 x 2 in pine

Cargo Hatchways.—How formed? Usual construction - steel plates & angles **Hatches, If strong and efficient?** Yes - 3' pine

State size No. 1 Hatch (Forward) 29'3" x 22'0" **No. 2 Hatch** 30'0" x 22'0" **No. 3 Hatch** 30'0" x 22'0" **No. 4 Hatch** 30'0" x 22'0"

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 5 Nets at each hatch.

No. of Breasthooks 4 **No. of Crutches** Deep floors.

Bulwarks, height above deck and description 42 x 26 **Main Rail and Stays, material and size** 6 x 3 x 8/20

The foregoing is a correct description. **Builder's Signature** (here only) G. M. Rhind **Surveyor's Signature** N. H. 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.) M. 16th Jan 1914
22nd Jan. 24th Feb 20th 25th March E 21st April 1914. **Freeboard assigned** Sep 5th 1914.

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

Is the riveted work properly closed? Yes

Are the liners between the frames and plates solid single pieces? joggled frames **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 the plating?** a few

Are the butts of Plating, Stringers, &c., properly shifted and strapped? or overlapped? Yes

Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes **State results of tests** satisfactory

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes **State results of tests** satisfactory

General Remarks (State quality of workmanship, &c.) The materials and workmanship throughout are good.

This vessel has been built in accordance with the approved plans, the Secretary's letters as above dated and otherwise in compliance with the Rules of the Society.

The Surveyor should state the Number of Report and Name of any Sister Vessel built or Yard Number of any building.

The amount of Entry Fee £ 5 : 0 : 0 **Fees applied for,** 31 OCT 1914

Special Survey Fee.... £ 134 : 9 : 0 **Received by me,** 57 11 1914

Travelling Expenses, if any £ : : **Certificate to be sent to** SUNDERLAND. **Date of issue** 6/11/14.

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

I am of opinion this Vessel should be Classed 100 A.1. Shellier & Co. with freeboard

With, or without Freeboard, as condition of Class

Surveyor to Lloyd's Register of British and Foreign Shipping. N. H. Brydon.

Committee's Minute TUE NOV -3. 1914

Character assigned 100 A.1

Sheets ok with f.b.d.

Lloyd's a & b. P.

Wise Jd.

* L.M.B. 1014

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GENERAL REMARKS—(continued).

WEB-FRAME
No.
WEB-FRAME
No.
WEB-FRAME
No.
Size of
BRACKET
Web Frame
BULKHEAD
W.T. BULKHEAD
AFT
FORE
COLLISION
PARTITION
LONGITUDINAL
Are the outside
Are the inside
STRUTS
FLAT PLATE
(If Bar Keel, a
GARBOARD C
State actual
thickness in
way of Double
Bottom.

PARTICULARS FOR RECORD in the REGISTER BOOK. Length of Peep ft., R.Q.D. ft., Bridge ft., Forecastle ft.
(in feet and tenths). When the Peep is joined to the B.D., this should be distinctly stated *Complete Shelter Deck*

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 should appear in the Register Book) *1st Deck (S.H.) and Shelter Deck (S.H.) 2nd Deck Beams in No 1 & 4 14/15*
Official No. *136,941*; Signal Letters _____ State if Machinery is fitted aft *No*
How are the surfaces preserved from oxidation? Inside *Paint + Cement* Outside *Paint*

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

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>140.0</i>	<i>346</i>	Fore peak tank,		
Double bottom, under Engines and Boilers,			After peak tank,		<i>130</i>
Double bottom, if under Engines only,	<i>25.0</i>	<i>99</i>	Deep tank, aft,		<i>100</i>
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	<i>172.5</i>	<i>546</i>	Other tanks, if fitted,		
Total capacity of double bottom		<i>989</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. *5134*
Date *13.1.14*
No. *234* in builder's yard.
DATES of Surveys held while building
1914 Apr. 1, 2, 3, 17, 27, 30. May 5, 12, 13, 18, 22, 27. June 5, 12, 17, 18, 22, 23, 29, 30. Jul. 12, 14, 17, 22, 23, 29, 30. Aug. 10, 14, 17, 20, 22, 24, 25, 28, 31. Sep. 11, 12, 13, 14, 17, 21, 28, 31. Oct. 2, 7, 18, 29.

Surveyor's Signature

H.A. Brydon.

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Total No. of Visits *57*