

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 7016

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

Yes MON. 20.4-1911

Port of Belfast

Date of completion of Report 2nd Dec. 1911

Received at London Office

Survey held at Belfast

Date, First Survey 26th Oct. 1910

Last Survey 27th Dec.

1911

On the Steel Twin Screw Steamer

WAIMANA

Rig Schooner

TONNAGE under Tonnage Deck

CLASS 100 A.I. SHELTER Dk.

FEET.

Master W. B. Holmes

Do. between Tonnage Dk and 3rd, 4th, or Awning Dk.

Breadth (greatest moulded) 62.75

Year of Appointment 1897

(1) As Master in service of owner of present vessel:—1897
(2) As Master of this vessel:—1911

Total under Upper Dk. 7317.85

Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 34.33

Built at Belfast

Do. of Prop. Shelter Deck 2132.78

Deduct height of 'tween deck when this does not exceed 8ft. 8.0

When built 1911 Launched 12th Sept. 1911

Do. of R. (or Hk.) 4.72

Transverse Number 97.88

By whom built Messrs. Wigham Clark & Co.

Do. of Bridge House 587.76

Length on deck from fore part of stem to after part of sternpost 477

Owners Shaw Savill & Albion Co. Ltd.

Do. of Forecastle 68.96

Longitudinal Number 46307

Managers

Do. of Houses on Deck 256.30

Depth "d" at middle of length. See Secs. 2 & 13. 18.10

Residence

Do. of excess of Hatchways 4.56

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

Port belonging to Southampton

Do. above Crown of Engine Room 15.93

Upper Deck at side to top of keel 13.9

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

Gross Tonnage 10388.86

Destined Voyage Glasgow to load for Australia

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

Less Crew Space 256.09

Register Tonnage as cut on Beam 6734.35

Dimensions of Ship per Register, Length 477.6 breadth 63.17 depth 31.3

Less above Crown of Engine Room 15.93

Do. of excess of Hatchways 4.56

No. of Decks with flat laid 3

TONNAGE FOR FEES 10116.84

Less Engine Room 332.44

No. of Tiers of Beams

Less Navigation Spaces 73.98

Do. of excess of Hatchways 4.56

Do. of Decks with flat laid 3

Register Tonnage as cut on Beam 6734.35

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Do. of Tiers of Beams

WEB FRAMES.		Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Approved.	Inches per Rule. Or as Approved.
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					

BULKHEADS.	Number.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up.
			Horizontal.		Vertical.			
	Vessel.	Per Rule.	Inches.	Spacing.	Inches.	Spacing.	Inches.	Spacing.
W.T. BULKHEADS	9	9	38 1/2	30	9 1/2	30	Single	Upper
			In between decks		5 1/2	30		
			Other bulkheads ascending to deck		9 1/2	30		
COLLISION			40 1/2	30	9 1/2	30		Shells
PARTITION			40 1/2	30	9 1/2	30		Upper
LONGITUDINAL								

Are the outside Plates doubled two spaces of Frames in length? *Bracket fitted*

Are the Sluice Valves and Watertight Doors in efficient working order? *Yes*

FORGINGS or CASTINGS.		Inches in Ship.	Inches per Rule. Or as Approved.
KEEL, Bar, depth and thickness		10 x 2	10 x 2
STEM, moulding and thickness		11 x 3	11 x 3
STERN-POST for Rudder do. do.		as per app. plan	
	for Propeller	Speed bracket	
RUDDER—A x D	Table 22. Speed	12 1/2	737
	Main-Piece, diameter at head	13 3/4	13 3/4
	at heel	10 1/2	10 1/2

RUDDER, how constructed *Forging and single plate*

Thickness of ~~Plates~~ or Single Plate *1 1/4*

Can the Rudder be unshipped afloat? *Yes*

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.?

Open hearth process

Dowlais-Cardiff, Colville, Lanark, Glasgow, Dorman Long

Steel Co of Scotland, Port Talbot, South Durham, Phoenix

Henschel Sohn, Thyssen & Co.

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.	AMIDSHIP.		Ordinary or jogged?		RIVETS.		Double or Treble and for what Length.		RIVETS.		STRAPS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing cr. to cr.	Diam.	Spacing cr. to cr.	Breadth.	Thickness.	Breadth.	For what Length.			
FLAT PLATE KEEL	53	1.06	72	72	53	1.06	Double	6 3/4	1 1/8	4	1 1/8	3 3/4	2 1/2	72	14	full			
GARBOARD or A Strake		.74	.64	.60		.74		6	1	3 1/2	2 1/2	4							
<i>State actual thickness in way of Double Bottom.</i>		.74	.54	.52		.74													
B		.74	.52	.64		.74													
C		.74	.52	.64		.74													
D		.74	.52	.64		.74													
E		.74	.52	.64		.74													
F		.79	.52	.62		.79													
G		.79	.52	.60		.79													
H		.80	.48	.48		.80													
J		.70	.48	.48		.70													
K		.70	.48	.48		.70													
L		.70	.48	.48		.70													
M		.70	.48	.48		.70													
N		.78	.48	.48		.78		6 3/4	1 1/8	4									
O		.93	.48	.48	50	.93													
P																			
Q																			
R																			
S																			
T																			
U		.75				.75		6 1/2	1	3 1/2	2 1/2	4			14	full			
V		.79			50	.79		6 1/2	1	3 1/2	2 1/2	4			14				
W																			
THICKNESS OF SHEER STRAKE CLEAR OF LONG BRIDGE		.93																	
DO. OF STRAKE BELOW		.78																	
DLG. of Flat Plate Keel		10 x 2																	
" Sheerstrakes																			
Length and thickness.																			
POOP SIDES																			
SHORT BRIDGE SIDES																			
FORECASTLE SIDES		.44						Single	3	7/8	3 1/4	Double	7/8	3 1/4					

Awning or Shelter Deck	Butts, <i>qual</i> riveted for outside of Bridge for 1/2 length amidship.	Butts of Side Stringers	<i>Treble</i> riveted.
Stringer Plate	<i>Treble inside of Bridge</i>	" Tie Plates	<i>Treble</i> riveted.
	Straps, single, double or overlapped for full length amidship.	Inner Bottom Plating, riveting of Edges	<i>Double & Single Butts</i> <i>Double</i> 1/2 L.
Upper Deck	Butts, <i>Treble</i> riveted for full length amidship.	Centre Girder Butts, <i>Quad</i> riveted	Keelson Butts, <i>Treble</i> riveted.
Stringer Plate	Straps, single or overlapped for overlapped length amidship.	Frames, riveted through Plates with	<i>1</i> in. Rivets, about <i>5" & 6"</i> apart.
		Rivets, state whether Iron or Steel	<i>Iron</i>

FRAMES extend in one length from *Keel to Gunwale* State if ordinary or jogged *ordinary*

REVERSED FRAMES on floors and frames extend from *Centre to margin hence to main deck.*

In after peak all to upper deck, in fore peak to shell & keel alt. State if ordinary or jogged *ordinary*

MASTS, SPARS, &c.											
	Material.	Total Length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
LOWER MASTS											
Fore	Steel	96.9	28 1/2 x 4	28 x 4	22 1/2 x 3 1/2	8 x 2	2	3	4 1/2 x 3 x 4	Spec	Double & Double
Main	Steel	96.9	24 1/2 x 4	24 x 4	20 x 3 1/2	8 x 2	2				
Mizen											
Bowsprit											
Topmasts, Yards and Remainder of Spars	<i>Topmast: Steel</i>	<i>Remainder: Steel</i>	<i>Spars: Steel</i>	<i>Spars: Steel</i>	<i>Spars: Steel</i>	<i>Spars: Steel</i>	<i>Spars: Steel</i>	<i>Spars: Steel</i>	<i>Spars: Steel</i>	<i>Spars: Steel</i>	<i>Spars: Steel</i>
Rigging, Material and Size, Shrouds	<i>Steel</i>	<i>4" M.</i>	<i>4 1/2" F.</i>	<i>Backstay: 2 1/2" x 3"</i>	<i>Stays: F 2 1/2", 3", 5"</i>	<i>M. 2 1/2", 3", 4"</i>					
Sails.	<i>Suit of</i>				<i>Sails, and the following spare sails</i>						

EQUIPMENT No. 51035 LETTER <i>e</i>										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.					
66179	1st Bower	98	0	20	Stockless			66	17	2	0	85	2	0	Halls (Cent. Steel Halls)	Hingley Horn & Co.	Dunbarton 26.9.11 Drysdale		
66180	2nd "	97	3	16	"			66	10	0	0	85	2	0	do	do	do	do	do
66178	3rd "	97	3	0	"			66	10	0	0	73	2	0	do	do	do	do	do
	Collective weight	293	3	8								244	2	0					
66298	Stream	25	1	20	6	1	14	25	3	3	0	25	0	0	Rodgers	Hingley Horn & Co.	Dunbarton 30.9.11 Drysdale		
66304	Kedge	12	2	2	3	0	24	14	8	1	21	12	0	0	do	do	do	do	do

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.	Statutory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.		
46585	Fathoms. 150	Ins. 2 7/16	Tons. 116 7/8	Tons. 163 3/8	Cwts. qrs. lbs. 494 2. 19	Cwts. qrs. lbs. 989.0	Fathoms. 150	Ins. 2 7/16	Steel	Hingley Horn & Co.	Dunbarton 30.9.11 Green	TOWLINE	Fathoms. 130	Ins. 6	Tons. 85	Fathoms. 130	Ins. 6		
46598	150	2 7/16	116 7/8	163 3/8	495 2.3		150	2 7/16	Steel	do	do do do	HAWSERS & WARPS	(2) 90	3 1/2	26				
	300				990.0.32							"	(2) 90	3 1/2	26				
From Steam Chain or Steel Wire...	120	5 1/4		65			120	5 1/4	Steel wire	Binks Bros		"	(4) 100	8	man.	(4) 8 man			

Boats 8 boats and davits for 4 more
Pumps, Number fourteen
Windlass is Steam by Clark Chapman
Engine Room Skylights.—How constructed? Steel
Coal Bunker Openings.—How constructed? Steel
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 2 scuppers on shelter d.k. ea side 17" P. in Compa well ea side 1' 10" x 6"
Ceiling in Holds, thickness and material 1/2" 1.2.4.5 Insulated 1/2" 3 x 6 2 1/2" Cargo Battens, thickness and material 2" 2 x 6
Cargo Hatchways.—How formed? Plates and angles
State size No. 1 Hatch (Forward) 18' 0" x 16' 6" No. 2 Hatch 23' 9" x 16' 6" No. 3 Hatch 14' 3" x 16' 6" No. 4 Hatch 19' 0" x 16' 6"
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 1/2" 1.3.4.5 x 6 1 web plate and 2 shifting beams
No. 2 2 web plates and 3 shifting beams
No. of Breasthooks 9 No. of Crutches deep floors
Galwarks, height above deck and description open rails
The foregoing is a correct description of the vessel
Surveyor's Signature J. M. Shewna
Secretary J. M. Shewna
Surveyor to Lloyd's Register of British and Foreign Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)
Aug 28. 1910 Sept 20, 22 Oct 8, 18 Nov 2, 16, 18 Dec 10, 29 Jan 1911, 9 E 1.2.11, 21.3.11
Workmanship. Are the butts of plating planed or otherwise fitted? Planed & chipped
Are 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 the plating? a 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. 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.) Workmanship Good

This vessel has been built in accordance with the approved plans the Secretary's letter of the above dates and in accordance with the Rules for the class contemplated

The Surveyor should state the Number of Report and Name of any Sister Vessel.
Amount of Entry Fee £ 5 : 0 : 0
Special Survey Fee £ 276 : 19 : 0
Travelling Expenses, if any £ : :
Whether the vessel has been built under Special Survey Yes
In opinion this vessel should be Classed 100 A.I. Shelter deck
With, or without Freeboard, as condition of Class With
Fees applied for, 29-11-1911
Received by me, J. M. Shewna
Certificate to be sent to This office Date of issue 9/12/11
J. M. Shewna
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute TUE. DEC. 5-1911
Character assigned 100 A.I.
Shelter d.k. with fld
Lloyd's A.I. P
since Bel.
+ L.M. 6.11.11
F.D.
W1076-0010

GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge 180' 6" ft., Forecastle 48' ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ☒ On 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 it should appear in the Register Book) 2 decks steel & shelter deck steel Part H.S.

Official No. 131795; Signal Letters

State if Machinery is fitted aft fitted amidships

How are the surfaces preserved from oxidation? Inside Cement and 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. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	130.6	441	Fore peak tank,	<input checked="" type="checkbox"/>	
Double bottom, under Engines and Boilers,	99.75	535	After peak tank,	<input checked="" type="checkbox"/>	
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,	<input checked="" type="checkbox"/>	
Double bottom, forward,	183.25	699	Other tanks, if fitted,	<input checked="" type="checkbox"/>	
	Total capacity of double bottom	1625	(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. 554

Date 16th Sept. 1910

No. 309 in builder's yard.

DATES OF SURVEYS held while building

Oct. 26. 28. Nov. 1. 3. 9. 10. 15. 15. 21. 23. 25. 30. Dec. 5. 7. 12. 21. (1911) Jan. 4. 10. 17. 29. 24. 25. 30. Feb. 1. 2. 6. 10. 14. 16. 21. 24. 28. March. 1. 1. 2. 7. 10. 15. 16. 22. 28. 30. April 3. 5. 7. 11. 12. 21. 25. 26. May 2. 4. 10. 12. 18. 24. 26. June 1. 13. 19. 20. 27. 29. July 3. 5. 5. 7. 21. 28. Aug. 2. 7. 9. 11. 16. 23. 25. 30. 31. Sept. 4. 7. 8. 11. 12. 18. 19. 25. 26. 28. 29. Oct. 4. 6. 9. 12. 13. 17. 20. 22. 23. 26. Nov. 3. 6. 7. 10. 13. 14. 15. 21. 22. 24. 25. 27.

Total No. of Visits 112.

Surveyor's Signature

J. M. Ilwama

Lloyd's Register Foundation