

Awning or Shelter Deck, or Pt. Awning Deck.

STEEL STEAMER.

No. 32646

State if Report is also sent on the Machinery of the Vessel. *Yes*

Port of *Glasgow* Date of completion of Report *12-5-13* Received at London Office *WED. MAY. 14. 1913*

Survey held at *Dumbarton* Date, First Survey *17-1-12* Last Survey *9-5-1913*

On the *Triples Turbine Steamer "WAHINE"* Rig *Schooner*

TONNAGE under 2001.37 CLASS +100A1 *Awning Deck* with freeboard FEET. Master *Samuel Dint*

Do. between Tonnage Dk and 1187.55 Breadth (greatest moulded) 52.0 Year of Appointment (1) As Master in service of owner of present vessel: 1913 (2) As Master of this vessel: 1913

Total under Upper Dk 3188.92 Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck 27.5

Do. of Poop CHART HOUSE 6.81 Deduct height of 'tween deck when this does not exceed 8ft. 8.0

Do. of R. Qr. Dk. 932.87 Transverse Number 71.5

Do. of Bridge House 190.00 Length on deck from fore part of stem to after part of sternpost 374

Do. of Forecastle 117.20 Longitudinal Number 26741

Do. of Houses on Deck 4435.80 Depth "d" at middle of length. See Secs. 2 & 13 16.5

Do. of excess of Hatchways 386.60 Gross Tonnage 4435.80

Do. above Crown of Engine Room 117.20 Less Crew Space 386.60

Do. of Engine Room 117.20 Less above Crown of Engine Room 117.20

TONNAGE FOR FEES. 3932.00 Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel (PROMENADE) 10.50

Less Engine Room 2198.03 Upper Deck at side to top of keel 13.6

Less Navigation Spaces 52.79

Less crew 386.60

Register Tonnage 1798.38

as cut on Beam 1798.38

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

Residence *Dunedin N.Z.* Port belonging to *Dunedin*

By whom built *W. Denny & Bros.* Owners *Union Steam Ship Co. of New Zealand*

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

LENGTH on Deck as per Rule	Feet	Inches	BREADTH Moulded	Feet	Inches	DEPTH, ACTUAL Dq.	Top of Floors to top of Awn. or Shelter Dk. Beams do.	Upper Deck Beams	No. of Decks with flat laid	No. of Tiers of Beams
374	0		52	0		25.6	Awn. or Shelter Dk. Moulded depth, ft. 27 ins. 6	To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual 13 ins.		
Length 375.0			breadth 52.2			depth 17.6	Upper Deck. Moulded depth, ft. 19 ins. 6	To Upper Dk.		
FRAMING.						PILLARS.				
Inches in Ship.						Inches in Ship.				
Angles, or Bars, amidships	5 1/2	3 1/2	36	5 1/2	3 1/2	PILLARS, in 'tween Deck, size and spacing				
in engine & boiler space	5 1/2	3 1/2	48	5 1/2	3 1/2	" " Hold				
Peaks	5 1/2	3 1/2	34	5 1/2	3 1/2	" Quarter, 'tween Dks., "				
Way of Double Bottoms at Solid Floors	3	3	36	3	3	" in Hold				
" at intermdt. Bkts.						" increased as per Rule at ends				
Frames from centre to centre amidships	25			25		KEELSONS AND STRINGERS.				
" to collision bulkhead	25			25		CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate				
Frames from centre to centre in peaks	24			24		" Rider Plate				
ED FRAME, Angles	3 1/2	3	36	3 1/2	3	" Flat Keel Plate Angles				
in E & B space	3	3	48	3	3	" Horizontal Plates on Floors				
Way of Double bottoms at Solid Floors	3	3	36	3	3	" Angles or Bulb Angles				
" at intermdt. Bkts.						SIDE KEELSONS, Number				
G, depth of girder	5 1/2	(in E & B space 7 1/2)	5 1/2	7 1/2		" Angles or Bulb Angles				
depth and thickness of Floor Plate						" Plate above floors, for length				
at mid-line for length amidships						" Intercoastal Plate, for length				
Way of Engine and Boiler spaces						" Attached to outside plating with Angle				
Thickness at the ends of vessel						BILGE KEELSON, Angles				
Depth at 1/4 the half-bdth. as per Rule						" Intercoastal Plate, for length				
Height extended at the Bilges						" Attached to outside plating with Angle				
& BRACKETS, in Cell Dble Bottoms	40		36	40	36	SIDE STRINGERS, Number				
in boiler space	36		46	36	46	" Angle				
" state if flanged (top & bottom)	no		no	no	no	" Intercoastal Plate, for full lng.				
" spacing	25		25		25	" Attached to outside plating with Angle				
GIRDER, in Dbl. bottom, dpth. & thickness	40		46	40	46	Awning or Shelter Deck Stringer Plates, breadth and thickness				
in boiler space	36		46	36	46	" Angle on ditto				
" Angles, Top	3 1/2	3 1/2	46	3 1/2	46	" Tie Plates, fore and aft, outside Hatchways				
" Bottom						" Deck * Iron or Steel, for full lng.				
" to Floors	3	3	36	3	36	" Wood Deck. Material & thickness				
RDERS, number and thickness	one		36	one	36	Upper Deck Stringer Plate, breadth and thickness				
" state if flanged (top & bottom)	no		no	no	no	" Angles on ditto, No. two				
Angles	3	3	36	3	36	" Tie Plates, outside Hatchways				
PLATE, depth (exclusive of flange) and thickness	27		42	27	42	" Deck * Material and thickness P.P.				
Angles to outside plating	3 1/2	3 1/2	42	3 1/2	42	Second Deck Stringer Plates, br'dth & th'kns				
" to floors	3	3	36	3	36	" Angles on ditto, No. two				
Height of Brackets above at bilge	23		23		23	" Tie Plates, outside Hatchways				
BOTTOM PLATING, breadth and thickness of Middle Line Strake	40		46	40	46	" Deck * Material and thickness				
" thickness in Engine and Boiler space	18		46	18	46	Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness				
" Remainder in Holds	38		38		38	" Angles on ditto, No.				
Awng or Shlter Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 1/2	3	46	8 1/2	3	" Tie Plates, outside Hatchways				
Angles on upper edge						" Deck. Material and thickness				
Spacing	50		50		50	Poop Deck Stringer Plate, breadth & thickness				
Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 1/2	3	46	8 1/2	3	" Angles on ditto				
Angles on upper edge						" Tie Plates				
Spacing	50		50		50	Bridge Deck Stringer Plate, br'dth & thickness				
Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 1/2	3	46	8 1/2	3	" Angle on ditto				
Angles on upper edge						" Tie Plates				
PROMENADE						Forecastle Deck Stringer Plate, br'dth & th'kns				
Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 1/2	3	46	8 1/2	3	" Angle on ditto				
Angles on upper edge						" Tie Plates				
Spacing	50		50		50	" Deck. Material and thickness				
Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.				
Angles on upper edge										
Spacing										
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel										
Angles on upper edge										
Spacing										

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 & CASTINGS. KEEL, Bars, depth and thickness 9 x 1 1/2 STEM, moulding and thickness 8 x 2 1/2 STERN-POST for Rudder do. do. for Propeller RUDDER-A x D* Table 22. (Speed 20 knots) Main-Piece, diameter at head at heel

BULKHEADS. Number, Thickness, STIFFENERS, Single or Double Frames, Height up. W.T. BULKHEADS 6 6 30 1/2 26 6 1/2 x 3 1/4 30 1/2 5 1/2 1 1/2 1/2 1/2 1/2 COLLISION PARTITION LONGITUDINAL

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS.

FRAMES extend in one length from centre line to margin, from margin to promenade deck, at aft end to sterning of. REVERSED FRAMES on floors and frames extend from centre line across floor to margin, from margin to upper and awning decks alternately, double in turbine space and under boiler bearers

MASTS, SPARS, &c. POLE Lower MASTS Fore Main Mizzen Bowsprit Topmasts, Yards and Remainder of Spars Rigging, Material and Size, Shrouds Sails

Write "Amidship of Shelter Deck" "Sheer Strake" "Promenade Deck" "Upper Deck" "Lower Deck" "Foremast" "Mainmast" "Mizzenmast" "Bowsprit" "Topmast" "Yard" "Remainder of Spars" "Rigging" "Material and Size" "Shrouds" "Sails" "Suit of" "Sails, and the following spare sails"

EQUIPMENT No. 31628 LETTER X

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.			
X 11729	1st Bower	57	1	16	Stockless			46	17	0	21	57	0	0	Sykes Britannia	R. Sykes & Sons	Cradley Heath 18/6/12 Penn
X 39185	2nd "	55	0	0	"			45	7	2	0	55	0	0	"	"	Gipton 6/6/12 Penn
X 39236	3rd "	47	3	0	"			40	19	1	14	47	3	0	"	"	Gipton 8/6/12 Penn
	Collective weight	160	0	16								160	0	0			
9286	Stream	15	0	7	4	0	7	16	10	0	0	15	0	0	Common	R. Sykes & Sons	Cardiff 19/8/12 Penn
9285	Kedge	7	0	7	1	3	21	9	6	0	0	6	2	0	"	"	Cardiff 19/8/12 Penn

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.	Statury.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
12590	270	2 1/8	8 1/2	11 3/4	618	3-7608-2-14	270	2 1/8	stud link	R. Sykes & Sons	Cardiff 20/11/12 Penn	TOWLINE wire	120	4 1/2	39'	130	4 1/2
												HAWSERS & WARPS	(90 7)			(90 7)	
	90	4 1/2		39'			90	4 1/2					20	90	5	90	5
													20	30	3 1/4	30	3 1/4

Boats

Yachts, Number nine 5 diameter, one to fore peak. Steering Gear, Steam and hand combined. Diameter of Barrel 5 1/2. State whether they are in efficient working order Yes

Windlass is Clarke Chapman & Co, Ltd. 4 Capstan

Engine Room Skylights. How constructed? Steel plate, angles. What arrangements for deadlights in bad weather? Seal flaps

Coal Bunker Openings. How constructed? Cast iron scuttle. How are lids secured? Bayonet joint. Height above deck? flush

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 7 Scupper each side (no freeing ports fitted)

Ceiling in Holds, thickness and material 2 1/2 P.P. Cargo Battens, thickness and material 1 1/2 P.P.

Cargo Hatchways. How formed? Steel plates and angles. Hatches, If strong and efficient? Yes

State size No. 1 Hatch (Forward) 10' 5" x 10' 0" No. 2 Hatch 10' 5" x 10' 0" No. 3 Hatch 10' 5" x 10' 0" No. 4 Hatch 4'

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch one fore and after fitted to each hatch

No. of Breasthooks eight No. of Crutches five

Bulwarks, height above deck and description (open rail) Main Rail and Stays, material and size (open rail)

The foregoing is a correct description. Surveyor's Signature Geo M Shaw

Builder's Signature (here only) 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 correspondences connected with this case) 18/10/11 (M) 28/11/11 (M)

1/12 (M), 15/1/12 (M), 2/2/12 (M), 4/2/12 (M), 21/2/12 (M), 13/3/12 (M) 28/3/12 (M), 1/5/12 (E) 16/5/12 (E)

Workmanship. Are the butts of plating planed or otherwise fitted? planed 24/5/12 (M) 7/11/12 (M) 4/4/13 (M)

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 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 letters of the above dates, and in general conformity

to the Rules for the class contemplated

19 Plans, 8 forging forms.

To enable the vessel to carry liquid fuel if the Owners desire to do

so at a future date, the cross and side bunkers have been additionally

stiffened and tested in accordance with section 49 paragraph 2, of the Rules

angles have been fitted at the forward and aft ends of the cross

bunkers to drain oil into the side pockets, the riveting of the ballast

tanks under the boilers has been spaced for oil tight work and they have

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

The amount of Entry Fee	£ 5	Fees applied for	9.5. 1913.
Special Survey Fee	£ 123	Received by me,	12.5. 1913.
Travelling Expenses, if any	£		

State whether the Vessel has been built under Special Survey yes

I am of opinion this Vessel should be Classed + 100 A1 Awaiting Deal

With, or without Freeboard, as condition of Class full

Committee's Minute

Character assigned + 100 A1

Awaiting DX with fbs 9. 10 1/2

513

Lloyd's a+c

+ L.M.C. 4.13.

72

GENERAL REMARKS—(continued).

have been tested for carrying liquid fuel.
The usual openings for trimming coal have now been cut in the
bunker sides at the stowhold floor level, and when it is proposed
to carry liquid fuel these will be closed, and the necessary
pipes for controlling the liquid fuel fitted to bunkers and inner
bottoms
S.M.S.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ft., B.O.D. ft., Bridge ft., Forecastle 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) 2 DKS (M. PL STL) covering Deck (STL W.S.) & Promenade Deck (STL W.S.)
Official No. ; Signal Letters State if Machinery is fitted aft no
How are the surfaces preserved from oxidation? Inside paint and cement Outside paint

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

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft, <u>salt water</u>	<u>67</u>	<u>32</u>	Fore peak tank, <u>salt water</u>	<u>16</u>	<u>35</u>
Double bottom, under Engines and Boilers, <u>←</u>			After peak tank, <u>salt water</u>	<u>17</u>	<u>61</u>
Double bottom, if under Engines only, <u>fresh water</u>	<u>52</u>	<u>87</u>	Deep tank, aft, <u>"</u>		
Double bottom, if under Boilers only, <u>salt water</u>	<u>73</u>	<u>140</u>	Deep tank, forward, <u>"</u>		
Double bottom, forward, <u>salt water</u>	<u>104</u>	<u>66</u>	Other tanks, if fitted, <u>"</u>		
Total capacity of double bottom		<u>325</u>	(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. 4639
Date 16-1-12
No. 971 in builder's yard.
Dates of Surveys held while building
1912. Jan. 17-19-22. Feb. 13-22. March 8-14-18-26-29. April 2-5-9-11-12-18-25. May 1-3-7-10-17-22
24-29-31. June 4-7-11-13-18-24-27. July 1-4-10-25-29. Aug. 7-16-19-23-28-30. Sept. 4-11-17-24-27
Oct. 2-7-11-15-22-24-28-29. Nov. 1-4-6-11-15-19-21-23-25-26-29. Dec. 2-4-10-16-18-30.
1913. Jan. 8-10-14-16-22-27-30. Feb. 3-6-11-14-18-21. March 6-12-17-20-27-31.
April 3-4-10-14-15-18-22. May 1-7-9.
Total No. of Visits 103

Surveyor's Signature Geo M Shaw