

~~Awning or Shelter Deck,~~
~~or Pt. Awning Deck.~~

STEEL STEAMER.

No. 26374

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

WED. MAR. 3-1915

Port of *Sunderland* Date of completion of Report *- 2 MAR 1915* Received at London Office
Survey held at *Sunderland* Date, First Survey *18 May 14* Last Survey *20 February 1915*
On the (State if Single, Twin, or Triple Screw) *Single Screw Steamer* *BAY STATE* Rig *Schooner*
CLASS *100 A1* Master *J. H. Trinick*
Tonnage under Tonnage Deck *-* Breadth (greatest moulded) *53.16* Feet. Year of Appointment *1894*
Do. between Tonnage Dk. and 3rd, 4th, or Awning Dk. *-* Depth, at middle of length from top of keel to top of beams at side of uppermost Continuous Deck *30.50*
Total under Upper Dk. *4774.19* Deduct height of tween deck when this does not exceed 8 ft. *8.6* Built at *Sunderland*
Do. of Poop *85.87* Transverse Number *84.16* When built *1915* Launched *17 December 1914*
Do. of R. Qr. Dk. *-* Length on deck from fore part of stem to after part of sternpost *419.84* By whom built *Wm J. Laing & Sons*
Do. of Bridge House side *52.35* Longitudinal Number *35,333* Owners *White Diamond Steamship Co. Ltd.*
Do. of Forecastle *8.23* Depth "d" at middle of length. See Secs. 2 & 13 *18.7* Managers *G. Warran & Co. Ltd.*
Do. of Houses on Deck *143.84* Proportions, Depths to Length, Uppermost Continuous Deck at side to top of keel *10.76* Residence *19 James St. Liverpool*
Do. of excess of Hatchways *-* " " Upper Deck at side to top of keel *13.76* Port belonging to *Liverpool*
Do. above Crown of Room *-* Tonnage Beam *3151.24* Destined Voyage *Norfolk U.S.A.* If Surveyed while Building, Afloat, or in Dry Dock *Building & afloat*
Room *-* Space *5064.48*
Crown of Room *-* Room *183.86*
FOR FEES... *4880.62*
Room *1620.63*
ation Spaces *108.75*

TH on	Ft.	Ins.	BREADTH	Ft.	Ins.	DEPTH, ACTUAL	Top of Floors to top of Awning or Shelter Dk. Beams	Ft.	Ins.	No. of Decks with flat laid
er Rule	419	10	Moulded	53	2	Do.	do. Upper Deck Beams	27	11	3
Length 420.3 breadth 53.5 depth 27.85			Awn. or Shelter Dk. Moulded depth, ft. 37 ins. 0 To Awning or Shelter Dk. Round up of Uppermost Dk. Beam, Actual ... 13 ins			Upper Deck. Moulded depth, ft. 30 ins. 6 To Upper Dk.				

FRAMING.						PILLARS.					
Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship	Inches in Ship
Angles, or E or L Bars, amidships	10	3 1/2	56	10	3 1/2	PILLARS, In 'tween Deck, size and spacing	27 1/2	53	27 1/2	53	
peaks	7 1/2	3 1/2	48	7 1/2	3 1/2	" " Hold					
way of Double Bottoms at Solid Floors	3 1/2	3 1/2	42	3 1/2	3 1/2	" " Quarter, 'tween Dks.,					
" " at intermdt. Bkts.						No "quarter pillars in Hold					
of Frames from centre to centre amidships	26 1/2			26 1/2		KEELSONS AND STRINGERS.					
" " from length to collision bulkhead	22			22		CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate					
of Frames from centre to centre in peaks	24			24		" Rider Plate					
SED FRAME, Angles						" Flat Keel Plate Angles					
way of Double bottoms at Solid Floors	3 1/2	3 1/2	42	3 1/2	3 1/2	" Horizontal Plates on Floors					
" " at intermdt. Bkts.						" Angles or Bulb Angles					
NG, depth of girder						SIDE KEELSONS, Number					
S, depth and thickness of Floor Plate						" Angles or Bulb Angles					
at mid-line for 1/2 length amidships						" Plate above floors, for length					
in way of Engine and Boiler spaces						" Intercoastal Plate, for length					
thickness at the ends of vessel						" Attached to outside plating with Angle					
depth at 1/2 the half-bdth. as per Rule						BILGE KEELSON, Angles					
height extended at the Bilges						" Intercoastal Plate, for length					
IS, in Cell Double Bottoms	40	36		40	36	" Attached to outside plating with Angle					
state if flanged (top and bottom)	40					SIDE STRINGERS, Number					
spacing of Solid	26 1/2			26 1/2		" " Angle					
IE GIRDER, in Dbl. bottom, dpth. & thcknss	44	52	42	44	52	" " Intercoastal Plate, for lng.					
" Angles, Top	4 1/2	4 1/2	60	4 1/2	4 1/2	" Attached to outside plating with Angle					
" " Bottom	4 1/2	4 1/2	60	4 1/2	4 1/2	Awning or Shelter Deck Stringer Plates, breadth and thickness					
" " to Floors	5	5	58	5	5	" Angle on ditto	56	36	56	36	
Brackets at intermdt. frmg., width & thcknss						" Tie Plates, fore and aft, outside Hatchways	5	5	60	5	5
GIRDERS, number and thickness	40	36		40	36	" Deck * Iron or Steel, for full lng.	40	36	40	36	
" state if flanged (top & bottom)	40					" Wood Deck, Material & thickness					
Angles	3 1/2	3 1/2	42	3 1/2	3 1/2	Upper Deck Stringer Plate, breadth and thickness	48	36	48	36	
IN PLATE, depth (exclusive of flange) and thickness	36	48		35	48	" Angles on ditto, No. 2	3 1/2	3 1/2	48	3 1/2	3 1/2
Angles to outside plating	4	4	48	4	4	" Tie Plates, outside Hatchways					
" to floors	5	5	54	5	5	" Deck * Iron or Steel, for full lng.	40	36	40	36	
Brackets at intermdt. frmg., width & thcknss	3 1/2	3 1/2	42	3 1/2	3 1/2	" Wood Deck, Material & thickness					
Height of Brackets above at bilge	26			26		Second Deck Stringer Plates, br'dth & thckn's	48	36	48	36	
R BOTTOM PLATING, breadth and thickness of Middle Line Strake	44	52	42	44	52	" Angles on ditto, No. 2	3 1/2	3 1/2	48	3 1/2	3 1/2
" thickness in Engine and Boiler space	50	56		50	56	" Tie Plates, outside Hatchways					
" " Remainder in Holds	40	36		40	36	" Deck * Material and thickness	36	30	36	30	
IS, Awning or Shltr Dk, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	8 1/2	3	50	8 1/2	3	Third, Fourth & Fifth Deck Stringer Plate, breadth and thickness					
Spacing	26 1/2			26 1/2		" Angles on ditto, No.					
MS, Upper Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	11	13 1/2	56	11	13 1/2	" Tie Plates, outside Hatchways					
Spacing	23			53		" Deck. Material and thickness					
MS, Second, Third & Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb or Channel	12	4	40	12	4	Poop Deck Stringer Plate, breadth & thickness					
Angles on upper edge	12	4	80	12	4	" Angles on ditto					
Spacing	53			53		" Tie Plates					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	12	4	40	12	4	" Deck. Material and thickness					
" Angles on upper edge	3 1/2	3 1/2	50	3 1/2	3 1/2	Bridge Deck Stringer Plate, br'dth & thickness					
Spacing	53			53		" Angle on ditto					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel						" Tie Plates					
" Angles on upper edge						" Deck. Material and thickness					
Spacing						Forecastle Deck Stringer Plate, br'dth & th'kns	36	36	36	36	
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb or Channel	6	3	40	6	3	" Angle on ditto	36	36	36	36	
" Angles on upper edge						" Tie Plates					
Spacing	26 1/2			26 1/2		" Deck. Material and thickness					

WEB FRAMES.						Inches in Ship.	Inches in Ship.	Inches per Rule. Or as Ap	Inches per Rule. proved.	FORGINGS or CASTINGS.				Inches in Ship.	Inches per Rule. Or as Approved.
WEB-FRAMES, In Fore Body, No. and spacing						None				KEEL, Bar, depth and thickness				Flat plate	
" " " brdth. & thickness										STEM, moulding and thickness				10 1/2 x 2 3/4 10 1/2 x 2 3/4	
" No. of Side Stringers "						Frames + .04 in line.				STERN-POST for Rudder do. do.....				9 x 8 9 x 8	
WEB-FRAMES, In E. & B. Space, No. & spacing										" for Propeller				10 1/2 x 8 10 1/2 x 8	
" " " brdth. & thickness						None				RUDDER—AxD* Table 22. Speed Under 12 K. Num. 480.6					
" " " brdth. & thickness										Main-Piece, diameter at head				10 1/2 10 1/2	
" " " brdth. & thickness										" " " at heel				7 1/2 7 1/2	
" " " brdth. & thickness															
Size of Face Angles to Web-Frames.....															
BRACKET PLATES to Stringers between															
Web Frames, depth and thickness.....															
BULKHEADS.						STIFFENERS.				Single or Double Frames.	Height up, state deck.	RUDDER, how constructed Forged & built			
Number.						Horizontal.						Thickness of Plates or Single Plate 1.06 ✓			
Vessel.						Vertical.				Can the Rudder be unshipped afloat? yes.					
Per Rule.						Size.									
Thicknes.						Spacing.									
Inches.						Inches.									
W.T.BULKHEADS						W.T.BULKHEADS									
AFT. PK.						AFT. PK.									
F.HOLD						F.HOLD									
MIDSHIPS						MIDSHIPS									
AFT. HOLD						AFT. HOLD									
COLLISION						COLLISION									
PARTITION						PARTITION									
LONGITUDINAL						LONGITUDINAL									
Are the outside Plates doubled two spaces of Frames in length? Bkts. fitted															
Are the Sluice Valves and Watertight Doors in efficient working order? yes.															
PLATING.															
STRAKES.															
AS IN SHIP.															
PER RULE OR AS APPROVED.															
EDGES.															
ORDINARY or JOGGLED?															
BUTTS.															
DOUBLE or TREBLE and FOR WHAT LENGTH.															
RIVETS.															
STRAPS.															
IF LAPPED.															
FLAT PLATE KEEL.....															
GARBOARD OF 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 SHEER STRAKE CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. OF FLAT PLATE KEEL															
Sheerstrakes Length and thickness.															
POOP SIDES															
SHORT BRIDGE SIDES															
FORECASTLE SIDES															
AWNING or Shelter Deck Butts, double riveted for full length amidship.															
Stringer Plate Straps, single, double or overlapped for full length amidship.															
Upper Deck Butts, double riveted for full length amidship.															
Stringer Plate Straps, single or overlapped for full length amidship.															
Butts of Side Stringers riveted.															
Tie Plates double riveted.															
Inner Bottom Plating, riveting of Edges single & double Butts double riveted.															
Centre Girder Butts, double riveted Keelson Butts, riveted.															
Frames, riveted through Plates with 7/8 in. Rivets, about 5 1/4 apart.															
Rivets, state whether Iron or Steel Iron															
FRAMES extend in one length from centre girder to tank side then on to SK. State if ordinary or joggled joggled.															
REVERSED FRAMES on floors and frames extend from centre girder to tank side. State if ordinary or joggled joggled.															
MASTS, SPARS, &c.															
Material															
Total Length.															
DIAMETER AND THICKNESS.															
At Partners.															
Heel.															
Hounds.															
Head.															
No. of Plates in round.															
Angles.															
Number.															
Size.															
Seams.															
Butts.															
LOWER MASTS.....															
Fore															
Main															
Mizen															
Bowsprit															
Topmasts, Yards and Remainder of Spars Wood															
Rigging, Material and Size, Shrouds 4 3/4 wire Stays 4 1/2 wire															
Sails. None Suit of Sails, and the following spare sails															

EQUIPMENT No. 38532 LETTER at .										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.			
18467	1st Bower	68	1	0	—	—	—	52	15	2	14	68	0	0	Byers' Stockless	—	Red. 31.8.14 L. Haffner
18457	2nd "	68	1	0	—	—	—	"	"	"	"	68	0	0	"	—	" 28.8.14 "
18463	3rd "	59	1	0	—	—	—	47	18	0	14	58	2	0	"	—	" 29.8.14 "
	Collective weight	195	3	0	✓							194	2	0	Mechanical tests by	W. Campbell	
17348	Stream	19	1	14	5	0	20	20	4	0	7	19	0	0	Iron Stock	—	S.H. 30.7.14 L. B. Paine
17349	Kedge	8	0	14	2	0	14	10	5	0	0	8	0	0	"	—	" " "

U. Folgate

Name of Pilot.

If Stockless

State Mechanism

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.	Cir.
	Fathoms.	Ins.		Cwts.	qrs.	lbs.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.		
16160	210	2 5/16	86 1/4	134	562	0.14	720	3 1/4	2 5/16	Steel Ropes	Off. 9.2.15 L. Haffner	TOWLINE	120	5 3/4	65	120	5 3/4		
7342	45	"	"	"	40	0.10			"	Leitch British Chain	Off. 9.2.15 L. Haffner	HAWSERS & WARPS	2-90	8	Manila	2-90	8		
	70	5	59	—	—	—	90	5	Steel Wire	Webster & Co.	By makers	"	2-90	7 1/2	"	2-90	7		
												"	2-90	3 1/2	26	—	—		
												"	2-90	3	18	—	—		
												"	90	3 1/4	22	—	—		

Boats *2 lifeboats. 2 small boats.* Steering Gear, Steam *fitted* Steering Gear, Hand *fitted.*
Pumps, Number *Downton* (3" pump 45 P.H. top) Diameter of Barrel *4 1/2* State whether they are in efficient working order *yes*
Windlass is *Emerson Walker & Thompson patent* Capstan *—*
Engine Room Skylights.—How constructed? *Steel* What arrangements for deadlights in bad weather? *Lids & bulls eyes*
Coal Bunker Openings.—How constructed? *Bulk Ayle coamings* How are lids secured? *tarpsaulins & chains* Height above deck? *9"*
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. *Open rails & stanchions.*
Ceiling in Holds, thickness and material *2 1/2" W.P.* Cargo Battens, thickness and material *2 1/2" W.P.*
Cargo Hatchways.—How formed? *Flat coamings* Hatches, If strong and efficient? *yes*
State size No. 1 Hatch (Forward) *26'7" x 18'0"* No. 2 Hatch *26'5" x 18'0"* No. 3 Hatch *13'3" x 18'0"* No. 4 Hatch *15'5" x 18'0"*
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *No. 1, 2 & 5, 6 = 4 webs. No. 3 & 4 = 2 webs. No fore & afters*
No 5 = 26'5 1/2" x 18'0" No 6 = 26'5 1/2" x 18'0" No. of Breasthooks *6* No. of Crutches *deep floors*
Bulwarks, height above deck and description *Open rails & stanchions* Main Rail and Stays, material and size *✓*
The foregoing is a correct description *SIR JAMES LAING & SONS, LIMITED.* Surveyor's Signature *J. Allan* Surveyor to Lloyd's Register of British and Foreign Shipping.
Builder's Signature (here only) *Angela*

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) *M. 12.5.14, 13.5.14, 20.5.14, 8.6.14, 16.6.14, 18.6.14, 25.6.14, 8.7.14, 9.7.14, 14.9.14, 24.9.14, 25.9.14, 19.10.14, 11.11.14 and E 23.7.14.*

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 framing* 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? *one or two*
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.) *This vessel has been built in accordance with the approved plans, & generally in accordance with the Rules. The workmanship throughout is good.*

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* : : Fees applied for, *2 MAR 1915*
Special Survey Fee £ *147* : : Received by me, *8 MAR 1915*
Travelling Expenses, if any £ : : *9/3/15*
State whether the Vessel has been built under Special Survey *yes*
I am of opinion this Vessel should be Classed *100 A1. Shelter SH.*
With, or without Freeboard, as condition of Class *With freeboard*
Surveyor to Lloyd's Register of British and Foreign Shipping. *J. Allan*

Committee's Minute *FRI. MAR. 5-1915*
Character assigned *100 A1*
Shelter SH. fbl.

Lloyds A&B P. *W.* *+ LMB 2.15.*

GENERAL REMARKS—(continued).

WEB-FRAME
No
WEB-FRAME
No
WEB-FRAME
No
Size
BRACKET
Web Frame
BULKHEAD
W.T.BULKHEAD
COLLISION
PARTITION
LONGITUDE
Are the outer
Are the
ST
FLAT PLATE
(If Bar Keel)
GARBOARD
State actual
thickness
way of Deck
Bottom
upp.
Sh.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 34 ft.
(in feet and tenths). When the Poop 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 it should appear in the Register Book) 2 SKs (SH) + Shelter SK (SH) 3 tier of beams in No 1 hold.

Official No. 137427; 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 floors Cellular

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>134.7</u>	<u>385</u>	Fore peak tank,	—	<u>109</u>
Double bottom, under Engines and Boilers, <u>only</u>	<u>30.9</u>	<u>136</u>	After peak tank,	—	<u>124</u>
Double bottom, if under Engines only,	—	—	Deep tank, aft,	<u>35.3</u>	<u>94.6</u>
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	<u>172.2</u>	<u>533</u>	Other tanks, if fitted,	—	—
Total capacity of double bottom		<u>1054</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. 5153

Date 18.6.14

No. 651 in builder's yard.

DATES of Surveys held while building

1914 May 12 21 28 Jun 4 9 12 16 23 Jul 1 9 17 23 28 30 Aug 11 13 14 18 19 24 25 28
Sep 1 4 9 10 16 21 29 Oct 2 5 12 15 16 20 22 27 28 30 Nov 2 3 4 5 10 12 13 17 19
22 24 25 26 Dec 1 2 11 15 22 Jan 28 Feb 1 11 12 15 16 19 20

Total No. of Visits 64

Surveyor's Signature

J. Allan

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