

1 Deck.

IRON OR STEEL STEAMER.

WED. OCT. 11. 1911

Received at London Office

Date of completion of report 5th Oct 1911 State if Report is also sent on the Machinery of the Vessel yes
Survey held at Port Glasgow Port of Greenock No. 16109
On the Green Steamer EMERALD WINGS Date, First Survey 23rd March, 1911 Last Survey 21st September 1911
Rig Schooner
Master W. H. Halley
Year of appointment 1909
Built at Port Glasgow
When built 1911 Launched 4th Sept 1911
By whom built Russell & Co
Owners Wing Steamship Co Ltd
Managers N. Halliwell & Co
(Where necessary to be entered in Reg. Book.)
Residence London
Port belonging to London

TONNAGE under
Tonnage Deck...
Do. between Tonnage Dk. and 3rd and 4th Dk.
Total under Upper Dk. 2932.68
Do. of Prop. Room 5.09
Do. of Bridge House 5.60
Do. of Forecastle 17.30
Do. of Houses on Dk. 11.88
Do. of excess of Hatchways 38.13
Do. above Crown of Engine Room 43.20
Gross Tonnage 3138.88
Less Crew Space 87.87
Less above Crown of Engine Room 43.20
TONNAGE FOR FEES... 3007.81
Less Engine Room 1004.44
Less Navigation Spaces 61.88
Register Tonnage 1984.69
as cut on Beam

SINGLE ~~THREE~~ DECKED VESSEL.
CLASS +100 A1
Half Breadth (moulded) 24.37
Depth from upper part of Keel to top of Upper Deck Beams 25.31
Girth of Half Midship Frame (as per Rule) 46.96
deduct 7 feet. ✓
1st Number 96.64
Length on deck from after part of stem to fore part of stern post 328.66
2nd Number 31761.7
Proportions—Breadth to Length 6.74
Depth to Length—Upper Deck to top of Keel 12.98
Main Deck ditto ✓
Destined Voyage Swansea # Surveyed while Building, Afloat, or in Dry Dock

LENGTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, ACTUAL—	Feet.	Inches.	No. of Decks with flat laid
as per Rule	328	8	Moulded	48	9	Top of Floors to top of Upper Dk. Beams	21	10 1/2	One
						Do. do. Main Dk. Beams			No. of Tiers of Beams
									One

Dimensions of Ship per Register, Length 331.3 breadth 49 depth 21.8 Moulded depth, ft. 24 ins. 3 1/2 To Upper Dk. Round of Upper Dk. Beam, Actual 12 1/4 ins.

FRAMING.				FORGINGS OR CASTINGS.				Inches in Ship.		Inches per Rule, Or as Approved.	
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 per Rule, Or as Approved.	Inches per Rule, Or as Approved.
FRAME, Angles, on L, E or C Bars for 1/2 length amidships				10	3 1/2	13	10	3 1/2	13	11 x 2 1/2	11 x 2 1/2
Do. for 1/2 at each end				3 1/2	3 1/2	8	3 1/2	3 1/2	8	11 x 6 1/2	11 x 6 1/2
Do. in way of Double Bottoms at Solid Floors				5 1/2	3 1/2	9	5 1/2	3 1/2	9	8 1/2	8 1/2
Spacing of Frames from centre to centre				2 1/4	3 1/2	9	2 1/4	3 1/2	9	6 1/2	6 1/2
REVERSED FRAME, Angles, on floors				3 1/2	3 1/2	8	3 1/2	3 1/2	8		
DEEP FRAMING, depth of girder				10			10				
FLOORS, depth and thickness of Floor Plate at mid line for 1/2 length amidships				2 8/10	8 9/16	2 8/10	8 9/16	8 9/16			
in way of Engines and Boilers											
thickness at the ends of vessel											
depth at 1/2 the half breadth, as per Rule											
height extended at the Bilges											
FLOORS & BRACKETS in Cell Dble Bottoms						8			8		
state if flanged (top & bottom)				as per profile		24	24	48			
Spacing				4 1/2		10	4 1/2		10		
CENTRE GIRDER, in Double bottom, depth and thickness				3 1/2	3 1/2	10	3 1/2	3 1/2	10		
Angles, Top				4 1/2	4 1/2	12	4 1/2	4 1/2	12		
Bottom				3 1/2		8	3 1/2		8		
SIDE GIRDERS, number on each side & thickness				3 1/2		8	3 1/2		8		
state if flanged (top and bottom)				flanged							
Angles				3	3	8	3	3	8		
MARGIN PLATE, depth (exclusive of flange) and thickness				4 1/2		9	3 1/2		9		
Angles to Outside Plating				5 1/2	3 1/2	8	5 1/2	3 1/2	8		
Floors				7 1/2			7 1/2				
Height of Floors at the Bilges				5 1/2		10	4 1/2		10		
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake				8 10/16	8 9/16	8 10/16	8 9/16				
in Engine and Boiler space				8 10/16	8 9/16	8 10/16	8 9/16				
Remainder in Holds				8 10/16	8 9/16	8 10/16	8 9/16				
BEAMS, Upper Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				8	3	10	8	3	10		
Angles on upper edge											
Spacing				2 1/4			2 1/4				
BEAMS, Middle Deck, Single Angle, Bulb Angle, Plate or Tee Bulb											
Angles on upper edge											
Spacing											
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb											
Angles on upper edge											
Spacing											
BEAMS, Hold, or Orlop, Plate or Tee Bulb											
Angles on upper edge											
Spacing											
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb				9 1/2	3 1/2	11	8 1/2	3 1/2	10 1/2		
Angles on upper edge											
Spacing				4 1/2			4 1/2				
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb				5 1/2	3	8	5 1/2	3	8		
Angles on upper edge											
Spacing				2 1/4			2 1/4				
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb				9 1/2	3 1/2	10	8 1/2	3 1/2	9 1/2		
Angles on upper edge											
Spacing				4 1/2			4 1/2				
PILLARS, in 'tween Deck, size and spacing				2 1/4		4 1/2	2 1/4		4 1/2		
Hold				4		4 1/2	4		4 1/2		
Quarter 'tween Dks., " "											
in Hold				as per approved plan							
WEB FRAMES, in Fore Body, No. and spacing											
br'dth. & thickness											
No. of Side Stringers											
WEB FRAMES, in E. & B. Space, No. and spacing				2 1/2	1	10 1/2	2 1/2	1	10 1/2		
br'dth. & thickness											
WEB FRAMES, in After Body, No. and spacing											
br'dth. & thickness											
No. of Side Stringers											
Size of Angles or Tee Bars to Web Frames											
BRACKET PLATES to Stringers between Web Frames, depth and thickness				4	3 1/2	8					

KEEL, Bar or Side Plates, depth and thickness				11 x 2 1/2	11 x 2 1/2
STEM, moulding and thickness					
STERN POST for Rudder do. do.				11 x 6 1/2	11 x 6 1/2
for Propeller				8 1/2	8 1/2
MAIN PIECE of Rudder, diameter at head				6 1/2	6 1/2
do. at heel					
RUDDER, how constructed				Built forging single plate	
Can the Rudder be unshipped afloat?				yes	

KEELSONS & STRINGERS.						Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	16ths or 20ths in Ship.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate											
Rider Plate											
Bulb Plate to Intercoastal Keelson											
Horizontal Plates on Floors											
Angles											
SIDE KEELSON, Angles											
Bulb or Plate above floors, for length											
Intercoastal Plate, for length											
Attached to outside Plating with Angle											
RIDGE KEELSON, Angles											
Bulb or Plate above floors, for length											
Intercoastal Plate, for length											
Attached to outside Plating with Angle											
RIDGE STRINGER Angles											
Bulb Plate for length											
Intercoastal Plate, for length											
Attached to outside Plating with Angle											
SIDE STRINGER Angles											
Bulb or Intercoastal Plate, for whole length											
Attached to outside plating with Angle											
Upper Deck Stringer Plates, br'dth & thickness						4 1/2	10 1/2	4 1/2	10 1/2		
Angle on ditto						4 1/2	4 1/2	10	4 1/2	4 1/2	10
Tie Plates, outside Hatchways											
Deck * Iron or Steel, for whole length											
Wood Deck, Material and thickness						whole	4 1/2				
Middle Deck Stringer Plate, br'dth & thickness											
Angles on ditto, No.											
Tie Plates outside Hatchways											
Diagonal Tie Plates, No. of pairs											
Deck * Iron or Steel, for length											
Wood Deck, Material and thickness											
Lower Deck Stringer Plate, br'dth & thickness											
Angles on ditto, No.											
Tie Plates outside Hatchways											
Deck * Material and thickness											
Hold, or Orlop Stringer Plate, br'dth & thickness											
Angles on ditto, No.											
Tie Plates outside Hatchways											
Deck, Material and thickness											
Poop Deck Stringer Plate, breadth & thickness						3 1/2	7	3 1/2	7		
Angle on ditto						3 1/2	3 1/2	7	3 1/2	7	
Tie Plates											
Deck, Material and thickness											
Bridge Deck Stringer Plate, br'dth & thickness						4 1/2	9	4 1/2	9		
Angle on ditto						4 1/2	4 1/2	10	4 1/2	10	
Tie Plates											
Deck, Material and thickness						steel	whole	9			
Forecastle Deck Stringer Plate, br'dth & thickness						3 1/2	7	3 1/2	7		
Angle on ditto						3 1/2	3 1/2	8	3 1/2	8	
Tie Plates						12	7	12	7		
Deck, Material and thickness						3 x 3 1/2	8 1/2				

* If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

BULKHEADS.		Number.	Thickness.	STIFFENERS.				Single or Double Frames.	Height up.
Vessel.	Per Rule.			Horizontal.		Vertical.			
				Size.	Spacing.	Size.	Spacing.		
W. T. BULKHEADS		5	5	10	10	10	10	single	up to
PARTITION									
LONGITUDINAL									

Are the outside Plates doubled two spaces of Frames in length? brackets to side stringers

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

PLATING.										RIVETING.									
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.				
STRAKES.	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		FORWARD.		AFT.		EDGES.		BUTTS.		BUTTS.		
	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Single or Double.	Breadth of Lap.	Diam.	Spacing or to cr.	Single or Double.	Breadth of Lap.	
FLAT PLATE KEEL	46	20	13	13	14	12	14	12	14	12	14	12	Double	6	1	4	2 1/2	1	4
GARBOARD OF A STRAKE		14	12	12										5 1/2	7/8	3 1/4			
State actual thickness in way of Double Bottom.	B	12	9	9															
	C	12	9	9															
	D	13	10	10															
	E	13	10	10															
	F	12	10	10															
	G	12	9	9															
	H	12	9	9															
	J	12	9	9															
Sheerstrake	K	13	10	10	44	13	10						Double				3 1/2		9
	L																		
	M																		
	N	14	14	14		14	14	Double	5 1/2	7/8	3 1/4	2 1/2	1	4					14
	O	15				15													
	P																		
	Q																		
	R																		
	S																		
DOUBLING OF FLAT PLATE KEEL																			
Length and thickness of Sheerstrake.																			
Thickness of Strake below																			
POOP SIDES																			
BRIDGE SIDES		11-12																	
FORECASTLE SIDES			8																
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.?										Upper Deck (Butts, treble riveted in strakes and in B. length amidship. Stringer Plate (Straps, single, double or overlapped for whole length amidship. Middle Deck (Butts, treble riveted for length amidship. Stringer Plate (Straps, single, double or overlapped for length amidship. Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted? treble. Inner Bottom Plating, riveting of Edges, single or double? double. Centre Girder Butts, treble riveted. Keelson Butts, riveted. Frames, riveted through Plates with 7/8 in. Rivets, about 6 1/4 apart. Rivets, state whether Iron or Steel.									
Has the Steel been tested as required by the Rules?										yes									
FRAMES extend in one length from										middle line to tank margin thence to State if ordinary or joggled									
REVERSED FRAMES on floors and frames extend from										m 2 to tank margin State if ordinary or joggled									
MASTS, SPARS, &c.										DIAMETER AND THICKNESS.									
										At Partners. Heel. Hounds. Head.									
LOWER MASTS.										Fore Main Mizen									
										Material. Total Length.									
										Steel 48-6 57-0									
										20 1/2 x 7 16 1/2 x 6 17 x 6									
										No. of Plates in round. 2									
										ANGLES. Riveting.									
										Number. Size. Seams. Butts.									
										Single treble alone?									
Topmasts, Yards and Remainder of Spars										Pitch pine									
Rigging, Material and Size, Shrouds										8.8.10 3/4									
Sails.										none									
Sails, and the following spare sails.										Stays 4									
EQUIPMENT No. 33889 LETTER U										ANCHORS.									
Number of Certificate.										Weight, Ex. Stock. Weight of S. Stock. Test, per Certificate. Weight required by Table 22.									
14650 1st Bower										49 0 14 141 16 2 4 148 3 0									
14649 2nd "										49 0 0 141 15 0 0 148 3 0									
14651 3rd "										41 2 14 36 17 3 7 141 2									
4th "																			
Collective weight										139 3 0 139 0 0									
Stream										13 0 7 3 1 2 1 14 16 0 0 13 0 0									
Kedge										5 3 21 1 2 0 8 4 0 0 5 3 0									
CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate.										Length and size supplied. Test per Certificate. Weight of Chain Cable. Length and size supplied. Test per Table 22.									
11128 270 2 72 100 539.2.0 538.3.0										270 2 Steel 8 1/2 x 11 1/2 15 1/2 x 11 1/2									
										Description. Makers of Cables. Where and when tested, and Superintendent.									
										Towline 120 14 33 120 14									
										Hawser 360 2 1/2 12 360 2 1/2									
										Warps 90 6 90 4 1/2									
Boats 2 life boats and 2 others										Manual pump to hold sections									
Pumps, Number as per approved plan										State whether they are in efficient working order									
Windlass is by American Walker Thompson Co. Ltd.										Capstan									
Engine Room Skylights. How constructed?										steel plates and angles									
What arrangements for deadlights in bad weather?										bullseyes in hinged lids									
Coal Bunker Openings. How constructed?										of steel &c.									
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c.										5 scuppers and 4 freeing ports on each side									
Ceiling in Holds, thickness and material										3 at bottom 2 1/2 at timber 1 1/2 Cargo Batts, thickness and material									
Cargo Hatchways. How formed?										of steel plates and angles									
State size No. 1 Hatch (Forward)										24 x 17-11									
No. 2 Hatch										26 x 17-11									
No. 3 Hatch										16 x 17-11									
No. 4 Hatch										26 x 17-11 nos. 24 x 17-11									
Number of Web Plates, Shifting Beams and Fenders and Afters to each Hatch										4 in nos 1 1/2 5 in nos 2 1/2 3 in nos 3 no free afters									
No. of Breasthooks										5									
No. of Crutches										deep floors									
Bulwarks, height above deck and description										4-0 of steel plate									
The above is a correct description.										Main Rail, material and size									
Builder's Signature (here only)										For Russell & Co. W.S.									
Surveyor's Signature										J. Bennett									
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 the case)

23/12/10 W. H. H. 11/9/11 16/9/11 W. H. H.

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? 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. 23, par. 24)? yes

State results of tests satisfactory

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? yes

State results of tests satisfactory

General Remarks (State quality of workmanship, &c.) The workmanship is good and the vessel has been built in accordance with the Rules for 1908 and to the approved plans (4 in W), which together with the findings reports are attached hereto.

Drawings
Midship Section
Profile and Deck Plan
Pumping Plan
Huller Plan

Sister vessel to SS 'Bright Wings' Greenock Report No. 15578

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 31 ft., R.Q.D. or Break ✓ ft., Bridge Dk. 98-12 ft., Forecastle 38-12 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) 1 dk (stl) + deep framing.

Official No. 132610; Signal Letters —

State if Machinery is fitted amidship

How are the surfaces preserved from oxidation? Inside by Portland cement and paint Outside by 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,	104	338	Fore-peak tank,		
Double bottom, under Engines <u>only</u>	18	73	After peak tank,		83
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,	150	521	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total capacity of double bottom		932	(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. 2684

Date 10th Feb 1911

No. 629 in builder's yard.

Dates of Surveys held while building

1911. Mar 23. Apr. 4. 5. 12. 17. 24. 25. 27. May 1. 2. 8. 10. 16. 17. 18. 22. 24. 25. 27. 30. June 5. 6. 7. 12. 14. 15. 17. 20. 23. 26. July 20. 21. 25. 27. 31. Aug. 2. 5. 7. 9. 11. 16. 17. 18. 21. 22. 23. 26. 28. 29. 30. 31. Sep. 1. 2. 4. 5. 15. 27.

Total No. of Visits 57

The amount of Entry Fee £ 5 : 0 : 0

Special Survey Fee £ 100 : 4 : 0

Travelling Expenses, if any £ :

Fees applied for, 3/10/1911

Received by me, 4/10/1911

State whether the Vessel has been built under Special Survey yes

I am of opinion this Vessel should be Classed + 100 A 1

With, or without Freeboard, as condition of Class without

Committee's Minute GLASGOW 10 OCT. 1911

Character assigned Deferred for completion of machinery

100 A 1

13/10/11 W.

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

ERI OCT. 13. 1911

Lloyd's Register Foundation