

Spar, or Awning Dk. IRON OR STEEL STEAMER.

No. 16900

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

Port of Glasgow Date of completion of Report 11th April 1899 Received at London Office
Survey held at Glasgow Date, First Survey 23rd May 1898 Last Survey 5th April 1899
On the Steel Steamship "EASTERN" Rig Schooner

TONNAGE under
Tonnage Deck...
A 3rd, 4th, Spar or
Awning Dk.
al under Upper Dk.
of Poop
of Bridge House
of Forecasts
of Houses on Deck
of excess of Hatchways
above Crown of
Engine Room...
Gross Tonnage 3586.16
Less Crew Space 1117.59
Less above Crown of
Engine Room...
TONNAGE FOR FEES... 3468.58
Less Engine Room 1147.57
Less Navigation Spaces 49.52
Register Tonnage
as cut on Beam... 2242.40

SPAR, AWNING OR PART AWNING-DECKED VESSEL,
or a Vessel having a continuous Shade Deck.

Master W. Ellis

Year of Appointment

(1) As Master in service of
owner of present vessel: 1877
(2) As Master of this
vessel: 1889

Built at GlasgowWhen built 1899 Launched 26th Jan'yBy whom built R. Napier & Sons.Owners Eastern & Australian Steamship Co. (Ltd.)

Managers

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

Residence London.Port belonging to London.Destined Voyage Cadiz to load If Surveyed while Building, Afloat, or in Dry Dock Yes

LENGTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, top of Floors to Spar or Awn. Dk. Beams	Feet.	Inches.	Power of	Horse.	No. of Decks with flat laid
as per Rule...	33	3	Moulded.	42	0	Do. do. Main Deck Beams	27	6	Engines		No. of Tiers of Beams
							19	9			

Dimensions of Ship per Register, Length 337.25 Breadth 42.2 depth, 27.5 Spar or Awn. Dk. Moulded depth, ft. 22 ins. 5 To Main Dk. Round up of } 10 ins.
Main Deck. Beam, Main Dk. }

FRAMING.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	FORGINGS AND CASTINGS.	Inches in Ship.	Inches per Rule.
FRAME, Angles, or L or E Bars, for length amidships	5	3 1/2	8	5	3 1/2	KEEL, Bar or Side Plates, depth and thickness	3 1/2 x 2 1/2	12 x 2 1/2
Do. for 1/2 at each end	5	3 1/2	7	5	3 1/2	STEM, moulding and thickness	10 1/2 x 2 1/2	10 1/2 x 2 1/2
Do. in way of Double Bottoms at Solid Floors	5	3 1/2	8	5	3 1/2	STERN-POST for Rudder do. do.	12 x 6	12 x 6
" " " at intermdt. Bkts.						" " for Propeller	9	9
Distance of Frames from moulding edge to moulding edge, all fore and aft	24			24		MAIN PIECE of Rudder, diameter at head	7 x 6 P 1/2	7 x 6 P 1/2
REVERSED FRAME, Angles	3 1/2	3 1/2	8	3 1/2	3 1/2	RUDDER, how constructed	Cast steel, single plate	22
DEEP FRAMING, depth of girder						Can the Rudder be unshipped afloat?	Yes.	
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships						KEELSONS AND STRINGERS.	Inches in Ship.	Inches per Rule.
" in way of Engines and Boilers						CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		
" thickness at the ends of vessel						" Rider Plate		
" depth at 1/2 the half-bdth. as per Rule						" Bulb Plate to Intercoastal Keelson		
" height extended at the Bilges						" Horizontal Plates on Floors		
FLOORS & BRACKETS, in Cell Dble Bottoms	42	10	42	10		" Angles		
Distance apart	24			24		SIDE KEELSON, Angles		
CENTRE GIRDER, in Double bottom, depth and thickness	42	10	42	10		" Bulb or Plate above floors, for lng.		
" Angles, Top	4	4	9	4	9	" Intercoastal Plate, for length		
" Bottom	6 1/2	4	9	6 1/2	4	" Attached to outside plating with Angle		
SIDE GIRDERS, number and thickness	One flange 9	8	3 1/2	3 1/2	8	BILGE KEELSON, Angles		
" Angles	3 1/2	3 1/2	8	3 1/2	3 1/2	" Bulb or Plate above floors, for lng.		
MARGIN PLATE, depth (exclusive of flange) and thickness	29	8	29	8		" Intercoastal Plate, for length		
" Angles	4	4	9	4	9	" Attached to outside plating with Angle		
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	36	10	36	10		BILGE STRINGER Angles	6 1/2	4
" thickness in Engine and Boiler space	36	10	36	10		" Bulb Plate, for length		
Remainder in Holds	36	10	36	10		" Intercoastal Plate, for length		
BEAMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	8	5	9	8	5	" Attached to outside plating with Angle	3 1/2	3 1/2
" Angles on upper edge						SIDE STRINGER Angles	6 1/2	4
Average space	48			48		" Bulb or Intercoastal Plate, for lng.	10	10
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	10	6	10	10	6	" Attached to outside plating with Angle		
" Angles on upper edge						Spar, or Awning Deck Stringer Plates, breadth and thickness	48	11
Average space	48			48		" Angle on ditto	4 x 4	9
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	10	6	10	10	6	" Tie Plates, fore and aft, outside Hatchways	17	17
" Angles on upper edge						" Diagonal Tie Plates, No. of prs.		
Average space	48			48		" Deck * Iron or Steel, for lng.	8	8
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	11	11	11	11		" Wood Deck. Material & thickness	2 1/2	2 1/2
" Angles on upper edge						Main Deck Stringer Plate, breadth & thickness	48	10
Average space	48			48		" Angles on ditto, No. 2	4 x 4	9
BEAMS, Hold, or Orlop, Plate or Tee Bulb	11	11	11	11		" Tie Plates, outside Hatchways	17	17
" Angles on upper edge						" Deck * Material and thickness	2 1/2	2 1/2
Average space	48			48		" Diagonal Tie Plates, No. of prs.		
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	7	3	8	7	3	" Deck * Iron or Steel, for full lng.	8	8
" Angles on upper edge						" Wood Deck. Material & thickness	2 1/2	2 1/2
Average space	48			48		Lower Deck Stringer Plates, br'dth & thckn's	37	11
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	7	5	8	7	5	" Angles on ditto, No. 2	4 x 4	9
" Angles on upper edge						" Tie Plates, outside Hatchways	17	17
Average space	48			48		" Deck * Material and thickness	2 1/2	2 1/2
PILLARS, In Fore Body, size and spacing	2 1/2	48	2 1/2	48		" Diagonal Tie Plates, No. of prs.		
" Hold	3 1/4	3 1/2	48	3 1/4	3 1/2	" Deck * Iron or Steel, for full lng.	8	8
" Quarter, 'tween Dks., "						" Wood Deck. Material & thickness	2 1/2	2 1/2
" in Hold						Hold, or Orlop Stringer Plate, br'dth & thckn's		
WEB-FRAMES, In Fore Body, No. and spacing						" Angles on ditto, No.		
" No. of Side Stringers						" Tie Plates, outside Hatchways		
WEB FRAMES, In E. & B. Space, No. & spacing						" Deck. Material and thickness		
" br'dth. & thickness						Poop Deck Stringer Plate, breadth & thickness	34	6
WEB FRAMES, In After Body, No. and spacing						" Angles on ditto	3 x 3	6
" br'dth. & thickness						" Tie Plates	6	6
" 2 No. of Side Stringers						" Deck. Material and thickness	2 1/2	2 1/2
" Size of Angles or Tee Bars to Web Frames						Bridge Deck Stringer Plate, br'dth & thickness	36	8
BRACKET PLATES to Stringers between Web Frames, depth and thickness						" Angle on ditto	Stringer flange	
						" Tie Plates	6	6
						" Deck. Material and thickness	2 1/2	2 1/2
						Forecastle Deck Stringer Plate, br'dth & th'kns	33	6
						" Angle on ditto	3 x 3	6
						" Tie Plates	6	6
						" Deck. Material and thickness	2 1/2	2 1/2

16909 gls

PLATING.

AS IN SHIP.

PER RULE OR AS APPROVED.

LOWER EDGES.

BUTTS.

STRAKES.

AMIDSHIP.

FORWARD.

AFT.

AMIDSHIP.

Single or Double.

Breadth of Lap.

RIVETS.

Double or Treble and for what Length.

RIVETS.

STRAPS.

IF LAPPED.

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

DOUBLING of Flat Plate Keel

Length and thickness of Bilges

of Sheerstrakes

of Strake below

POOP SIDES

BRIDGE SIDES

FORECASTLE SIDES

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.?

Angus, Halliday, Dalzell

Platts, Clydeside, Mossend.

Iron, Stockton Malleable & S. Co.

Spar or Awning Butts, treble riveted for

Stringer Plate (Straps, single, double or overlapped for

Main Stringer Butts, treble riveted for

Plate (Straps, single, double or overlapped for

Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted?

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

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

Mizen

Bowsprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails.

Suit of

Sails, and the following spare sails

EQUIPMENT No.

LETTER

ANCHORS.

Number of Certificate.

Anchor.

WEIGHT, EX. STOCK

WEIGHT OF STOCK.

TEST, PER CERTIFICATE.

WEIGHT REQ. BY RULE.

Description of Anchor.

Makers.

Where and when tested and Superintendent.

34462

1st Bower

40

1

0

10

0

7

35

18

3

0

40

0

0

John Brown

21-11-98, Walford

34773

2nd "

40

1

0

10

0

7

35

18

3

0

40

0

0

"

"

34763

3rd "

34

1

0

8

2

7

31

16

1

0

34

0

0

"

"

34675

Stream

12

0

0

3

0

0

13

17

2

0

12

0

0

John Brown

10-11-98, Walford

34676

Kedge

6

0

7

1

2

7

8

7

2

0

6

0

0

"

"

CHAIN CABLES.

HAWERS AND WARPS.

Number of Certificate.

Fathoms.

Size.

Test per Certificate.

WEIGHT OF CHAIN CABLE.

Fathoms and Size Per Rule.

Description.

Makers of Cables.

When and where tested, and Superintendent.

Material.

Fathoms.

Size.

Breaking Test of Steel Wire Towline.

Fathoms and Size Per Rule.

18049

135

2 1/2

107 1/2

287-2-13

573-2-14

270 x 2 1/2

Alid

John Brown

15-12-98, Perins

18050

135

2 1/2

76 3/4

287-2-23

575-1-8

90 x 4 1/2

Payland, Br

Iron Stream Cables or Steel Wire

90

4 1/2

39 1/2

90 x 4 1/2

Boats

Pumps, Number

Windlass is

Engine Room Skylights.

What arrangements for deadlights in bad weather?

Coal Bunker Openings.

Number of Scuppers, and number and dimensions of Freeing Ports, &c.

Ceiling in Holds, thickness and material

Cargo Hatchways.

State size No. 1 Hatch (Forward)

No. 2 Hatch

No. 3 Hatch

No. 4 Hatch

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch

No. of Breasthooks

No. of Crutches

Bulwarks, height above deck and description

Main Rail, material and size

The above is a correct description.

Builder's Signature (here only)

Surveyor's Signature

Surveyor to Lloyd's Register of British & Foreign Shipping

Form No. 10.

16909 gls

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case)

M. March 12. 25. 29. April 20. June 7. 13. 1898.

26.6.98.

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 plating? A few.

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

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. The peaks have been tested as required by the Rules and found satisfactory.

Accompanying this report, plans of Midship Section, Profile, Decks, Pumping Arrangements, Stem frame, Rudder, Armored sketch of Rudder, Report on Stem frame, Report on Rudder, Report on Stem.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 69 ft., R.Q.D. or Break ☒ ft., Bridge Dk. 128 ft., F'castle 40 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) 100A1 Steel Spar Deck (pt all Deck sheathed) 3 to B.

Official No. 465; Signal Letters ✓

How are the surfaces preserved from oxidation? Inside Paint and Portland Cement Outside Paint.

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system Cellular Double Bottom

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<u>72.0</u>	<u>99</u>	Fore peak tank,		<u>38</u>
Double bottom, forward,	<u>138.0</u>	<u>236</u>	After peak tank,	<input checked="" type="checkbox"/>	
Double bottom, under Engines and Boilers,	<u>68.0</u>	<u>185</u>	Midship deep tank,	<input checked="" type="checkbox"/>	
Double bottom, if under Engines only, <input checked="" type="checkbox"/> <u>Total</u>	<u>278.0</u>	<u>520</u>	Other tanks, if fitted,	<input checked="" type="checkbox"/>	
Double bottom, if under Boilers only, <input checked="" type="checkbox"/>			(If necessary, furnish further information by sketch.)	<input checked="" type="checkbox"/>	

State whether the above have been tested as required by the Rules Yes

Order for Special Survey No. 3202 Date 30/3/98
Order for Ordinary Survey No. 465 Date 11/4/98
No. 465 in builder's yard.
1st. On the several parts of the frame, when in place, and before the plating was wrought 1898, May 2, 4, 9, 10, 11, 13, 16, 17, 20, 23, 24, 27, 31, June 1, 3, 6, 9, 14, 18, 24, 29,
2nd. On the plating during the process of riveting July 2, 4, 7, 12, 14, 25, 28, Aug. 1, 5, 11, 15, 19, 22, 25, 30, Sept. 5, 7, 9, 13, 15, 16, 21, 23, 25, 29,
3rd. When the beams were in and fastened, and before the decks were laid Oct 3, 5, 11, 12, 14, 17, 20, 24, 25, 27, 31, Nov 3, 7, 8, 9, 10, 14, 16, 17, 21, 22, 28, 30,
4th. When the ship was complete, and before the plating was finally coated or cemented Dec 3, 5, 6, 8, 12, 15, 17, 19, 23, 26, 29, Jan 3, 10, 12, 19, 23, 24, 26, 31, Feb
5th. After the ship was launched and equipped 3, 9, 10, 14, 16, 20, 22, 24, 27, March 1, 6, 9, 13, 24, 28, 29, 30 Total No. of Visits 107.
April 4.5.

The amount of Entry Fee £ 5 : : : Fees applied for, 12/4/1898
Special Survey Fee £ 11 : 14 : 6 Received by me, 15/4/98
Travelling Expenses, if any £ : : : 15/4/98
I am of opinion this Vessel should be Classed 100A1 Steel Spar Deck Certificate to be sent to Glasgow
With, or without Freeboard, as condition of Class Alison B. Wilson.
Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute

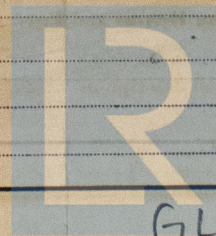
1st. 14 APL 1899

Character assigned

a + cl
+ 2 mch 4.99

100A1 Steel
Spar Deck
L.V.

Annapore



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Lloyd's Register

GLS 183-10305 (3/12)