

1 or 2 Dks., R.Q.Dk.,
and Pt. Awng. Dk.

IRON OR STEEL STEAMER.

MON. 25 SEP 1899

Received at London Office.

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

Date of completion of Report 23 Sept 1899

Port of Falmouth

Date, First Survey 14 September 1898

Last Survey 18 Sept

1899

No. 4303 Survey held at

On the Tug Lender Penguin

Rig Fourmast Schooner

ONNAGE under Tonnage Deck... 93.33

ONE OR TWO DECKED VESSEL.

Master Macintyre to take her out

Do. of Poop

Do. of Raised Qr.

Do. of Break...

Do. of Bridge House

Do. of Forecastle

Do. of Houses on Deck

Do. of excess of Hatchways

Do. above Crown of

Engine Room ... 123.06

Gross Tonnage

Less Crew Space

Less above Crown of

Engine Room ... 123.06

ONNAGE FOR FEES ..

CLASS A1 Tender steel

Year of appointment

Built at Falmouth

When built 1899 Launched 8 June 1899

By whom built Cox & Co

Owners Messrs Donald Currie & Co

Managers

Residence London

Port belonging to East London & Africa

Proportions—Breadths to Length .. 4.7

Depths to Length—Main Deck to top of Keel .. 10.7

Destined Voyage S. Africa

If Surveyed while Building, Afloat, or in Dry Dock building afloat.

DEPTH on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH—	Feet.	Inches.	Power of	Horse.	No. of Decks with Flat	No. of Tiers of Beams
per Rule	89	3	Moulded	19	0	Top of Floors to Main Deck	7	7	Engines		one	one

Dimensions of Ship per Register, Length, 90.2 breadth, 19.3 depth, 7.4 Moulded Depth, ft. 8 ins. Round of Beam 4 inches.

FRAMING.						FORGINGS AND CASTINGS.					
	Inches in Ship.	Inches in Ship.	16ths or 20ths in Ship.	Inches per Rule Or as Appr.	16ths or 20ths per Rule ved.		Inches in Ship.		Inches per Rule. Or as Approved.		
ME, Angles, L, C or Bars, for 3 length amidships	2 1/2	2 1/2	5	2 1/2	2 1/2	KEEL, Bar or Side Plates depth and thickness	4 x 1 1/8	4 x 1 1/8	4 x 1 1/8	4 x 1 1/8	
for 1/2 at each end	"	"	"	"	"	STEM, moulding and thickness	4 x 1	4 x 1	4 x 1	4 x 1	
in way of Double Bottoms at Solid Floors ..	✓	✓	✓	✓	✓	STERN-POST for Rudder do. do.	5 x 1 1/4	5 x 1 1/4	5 x 1 1/4	5 x 1 1/4	
" " at intermdt. Bkts.	✓	✓	✓	✓	✓	" for Propeller	"	"	"	"	
ence of Frames from moulding edge to ...	21	21	21	21	21	MAIN PIECE of Rudder, diameter at head ...	3 1/4	3	3	3	
oulding edge, all fore and aft	2	2	5	2	5	do. at heel	2 3/4	2	2	2	
ERSED FRAME, Angles	2	2	5	2	5	RUDDER, how constructed <i>Single plate iron frame</i>					
P FRAMING, depth of girder	9	5	9	5	5	Can the Rudder be unshipped afloat? <i>Yes</i>					
RS, depth and thickness of Floor Plate } at mid-line for 3 length amidships	6	7	6	7	7	KEELSONS AND STRINGERS.					
in way of Engines and Boilers	6	7	6	7	7	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate }	5	5	5	5	
thickness at the ends of vessel	6	7	6	7	7	" Rider Plate	Under Ball	7	7	7	
depth at 3 the half breadth, as per Rule ..	18	18	18	18	18	" Bulb Plate to Intercoastal Keelson	15	9	15	9	
height extended at the Bilges	✓	✓	✓	✓	✓	" Foundation Plate under keelson	3	2 1/2	3	2 1/2	
RS & BRACKETS, in Cell Dble Bottoms ..	✓	✓	✓	✓	✓	" Angles .. on floors	3	2 1/2	3	2 1/2	
" Distance apart	✓	✓	✓	✓	✓	SIDE KEELSON, Angles	✓	✓	✓	✓	
URE GIRDER, in Double Bottom, depth } and thickness	✓	✓	✓	✓	✓	" Bulb or Plate above floors for — lng.	✓	✓	✓	✓	
" Angles, Top	✓	✓	✓	✓	✓	" Intercoastal Plate for — length	✓	✓	✓	✓	
" Bottom	✓	✓	✓	✓	✓	" Attached to outside plating with Angle ..	✓	✓	✓	✓	
GIRDERS, number and thickness	✓	✓	✓	✓	✓	BILGE KEELSON, Angles <i>Single</i>	5	3	7/16	5	
Angles	✓	✓	✓	✓	✓	" Bulb or Plate above floors for — len.	✓	✓	✓	✓	
GIN PLATE, depth (exclusive of flange) } and thickness	✓	✓	✓	✓	✓	" Intercoastal Plate for — length	✓	✓	✓	✓	
Angles	✓	✓	✓	✓	✓	" Attached to outside plating with Angle ..	✓	✓	✓	✓	
R BOTTOM PLATING, breadth and } thickness of Middle Line Strake ...	✓	✓	✓	✓	✓	BILGE STRINGER Angles <i>Single</i>	5	3	7/16	5	
" thickness in Engine and Boiler space	✓	✓	✓	✓	✓	" Bulb Plate for — length	✓	✓	✓	✓	
" Remainder in Holds	✓	✓	✓	✓	✓	" Intercoastal Plate for — length	✓	✓	✓	✓	
IS, Main and Raised Quarter Deck, } Single Angle, Bulb Angle, Plate or Tee Bulb	4	2 1/2	6	4	2 1/2	" Attached to outside plating with Angle	✓	✓	✓	✓	
Angles on Upper Edge	one	one	one	one	one	SIDE STRINGER Angles	✓	✓	✓	✓	
Average space	42	42	42	42	42	" Bulb or Intercoastal Plate for — lng.	✓	✓	✓	✓	
IS, Lower Deck, Single Angle, Bulb } Angle, Plate or Tee Bulb	✓	✓	✓	✓	✓	" Attached to outside plating with Angle	✓	✓	✓	✓	
Angles on Upper Edge	✓	✓	✓	✓	✓	Main and Raised Quarter Deck Stringer } Plate, breadth and thickness	27	5	27	5	
Average space	✓	✓	✓	✓	✓	" Angle on ditto	2 1/2 x 2 1/2	5	2 1/2 x 2 1/2	5	
IS, Hold, Plate or Tee Bulb	✓	✓	✓	✓	✓	" Tie Plates fore & aft, outside Hatchways ..	6 x	3/16	6	3/16	
Angles on Upper Edge	✓	✓	✓	✓	✓	" Diagonal Tie Plates on Bms., No. of Pairs	✓	✓	✓	✓	
Average space	✓	✓	✓	✓	✓	" Main Dk* Iron or Steel for <i>whole covered plating</i> lng.	5	5	5	5	
IS, Poop Deck, Angle, Bulb Angle, Plate } or Tee Bulb	✓	✓	✓	✓	✓	" R. Q. Dk* Iron or Steel for <i>Leach</i> lng.	2 1/4	2 1/4	2 1/4	2 1/4	
Angles on Upper Edge	✓	✓	✓	✓	✓	" Wood Deck, Material & thickness <i>Leach</i>	2 1/4	2 1/4	2 1/4	2 1/4	
Average space	✓	✓	✓	✓	✓	Lower Deck Stringer Plate, breadth and } thickness	✓	✓	✓	✓	
IS, Forecastle Deck, Angle, Bulb Angle, } Plate or Tee Bulb	✓	✓	✓	✓	✓	" Angles on ditto, No.	✓	✓	✓	✓	
Angles on Upper Edge	✓	✓	✓	✓	✓	" Tie Plates, outside Hatchways	✓	✓	✓	✓	
Average space	✓	✓	✓	✓	✓	" Deck* Material and thickness	✓	✓	✓	✓	
RS, In 'tween Decks, Size and Spacing	✓	✓	✓	✓	✓	Hold Stringer Plate	✓	✓	✓	✓	
" Hold	2 1/2	2 1/2	2 1/2	2 1/2	2 1/2	Angles on ditto, No.	✓	✓	✓	✓	
" Quarter, 'tween Dks., " ..	✓	✓	✓	✓	✓	Poop Deck Stringer Plate, breadth & thickness	12	5	12	5	
" in Hold	✓	✓	✓	✓	✓	" Angle on ditto	✓	✓	✓	✓	
WEB FRAMES, In Fore Body, No. and Spacing	3 one each side	12	5	12	5	" Tie Plates	✓	✓	✓	✓	
" " " Brdth. & Thickness	✓	✓	✓	✓	✓	" Deck, Material and thickness	12	5	12	5	
" No. of Side Stringers " ..	✓	✓	✓	✓	✓	" Angle on ditto	2 1/2 x 2 1/2	5	2 1/2 x 2 1/2	5	
WEB FRAMES, In E. & B. Space, No. & Spacing	✓	✓	✓	✓	✓	" Tie Plates	6	4	6	4	
" " " Brdth. & Thickness	✓	✓	✓	✓	✓	" Deck, Material and thickness <i>Leach</i>	2 1/4	2 1/4	2 1/4	2 1/4	
WEB FRAMES, In After Body, No. and Spacing	✓	✓	✓	✓	✓	Forecastle Deck Stringer Plate, brdth & thcknss	✓	✓	✓	✓	
" " " Brdth. & Thickness	✓	✓	✓	✓	✓	" Angle on ditto	✓	✓	✓	✓	
" No. of Side Stringers " ..	✓	✓	✓	✓	✓	" Tie Plates	✓	✓	✓	✓	
" Size of Angles or Tee Bars to Web Frames	✓	✓	✓	✓	✓	" Deck, Material and thickness	✓	✓	✓	✓	
BRACKET PLATES to Stringers between	✓	✓	✓	✓	✓	* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.					
Web Frames, Depth and Thickness	✓	✓	✓	✓	✓	BULKHEADS.	Number.	Thickness.	STIFFENERS.	Single or Double Frames.	
						In Vessel.	Per Rule.	Horizontal.	Vertical.	Spacing.	
						16ths or 20ths.	Inches.	Inches.	Inches.		
						W.T. BULKHEADS	4	5	2 1/2 x 2 1/2	2 1/2 x 2 1/2	
						PARTITION	✓	✓	✓	✓	
						LONGITUDINAL	✓	✓	✓	✓	
						Lloyd's Reg					
						Are the outside Plates doubled two spaces of Frames in length? <i>Yes Diamond Plate</i>					

PLATING.										RIVETING.									
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.				
STRAKES.					AMIDSHIP.					SINGLE OR DOUBLE.					RIVETS.				
Breadth. Thickness. Thickness. Thickness.					Breadth. Thickness. Thickness. Thickness.					Breadth. Thickness. Thickness. Thickness.					Breadth. Thickness. Thickness. Thickness.				
Inches. 16ths or 32ths. 16ths or 32ths. 16ths or 32ths.					Inches. 16ths or 32ths. 16ths or 32ths. 16ths or 32ths.					Inches. 16ths or 32ths. 16ths or 32ths. 16ths or 32ths.					Inches. 16ths or 32ths. 16ths or 32ths. 16ths or 32ths.				
FLAT PLATE KEEL (If Bar Keel, state Riveting) GARBOARD OR A STRAKE										Double 3 3/4 5/8 2 7/8 Double 5/8 2 1/4 8 6									
B " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
C " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
D " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
E " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
F " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
G " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
H " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
I " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
J " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
K " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
L " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
M " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
N " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
O " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
P " 4 2 5 5 5 5 5 5 5 5										Single 2 1/4 5/8 2 7/8 " " " "									
DOUBLING OF PLATE KEEL of Bilges of Sheerstrakes of Strake below										Double 3 3/4 5/8 2 7/8 Double 5/8 2 1/4 8 6									
POOP SIDES										Double 3 3/4 5/8 2 7/8 Double 5/8 2 1/4 8 6									
RAISED QUARTER DECK SIDES										Double 3 3/4 5/8 2 7/8 Double 5/8 2 1/4 8 6									
BRIDGE SIDES										Double 3 3/4 5/8 2 7/8 Double 5/8 2 1/4 8 6									
FORECASTLE SIDES										Double 3 3/4 5/8 2 7/8 Double 5/8 2 1/4 8 6									
LENGTHS OF PLATING										Double 3 3/4 5/8 2 7/8 Double 5/8 2 1/4 8 6									
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, outside Plating, &c.?										Main Stringer Plate Butts, treble riveted for whole length amidship.									
Kulson Newton Steel Comp Scotland										Butts of Bilge & Side Stringers, and Tie Plates, treble or double riveted.									
Mendenham Blackhairn Steel Comp Scotland										Inner Bottom Plating, riveting of Edges Butts									
de Consett Iron Works.										Centre Girder Butts, riveted. Keelson Butts, treble riveted.									
FRAMES extend in one length from Keel to Main Deck										Frames, riveted through Plates with 5/8 in. Rivets, about 4 1/2 apart.									
REVERSED FRAMES on floors and frames extend from Main Deck to Main Deck & from upper turn of bilge to upper turn of bilge alternately										Rivets, state whether of Iron or Steel									
MASTS, SPARS, &c.										MASTS, SPARS, &c.									
Mast, Fore Main Mizzen										Mast, Fore Main Mizzen									
Bowsprit										Bowsprit									
Topmasts, Yards and Remainder of Spars										Topmasts, Yards and Remainder of Spars									
Rigging, Material and Size, Shrouds										Rigging, Material and Size, Shrouds									
Sails, Complete										Sails, Complete									
EQUIPMENT No. LETTER TONNAGE FOR TRAWLERS U.D.K.										EQUIPMENT No. LETTER TONNAGE FOR TRAWLERS U.D.K.									
Number of Certificate Anchors Weight, Ex Stock Weight of Stock Test, per Certificate Weight Req. by Rule Description of Anchor Makers Where and when tested and Superintendent										Number of Certificate Anchors Weight, Ex Stock Weight of Stock Test, per Certificate Weight Req. by Rule Description of Anchor Makers Where and when tested and Superintendent									
42024 1st Bower 3 2 12 10 10 10 10 10 10 10										42024 1st Bower 3 2 12 10 10 10 10 10 10 10									
41998 2nd 3 1 21 0 3 24 5 18 3 0 3 2 0 0										41998 2nd 3 1 21 0 3 24 5 18 3 0 3 2 0 0									
27681 3rd 2 0 0 0 2 0 4 10 0 0 2 0 0 0										27681 3rd 2 0 0 0 2 0 4 10 0 0 2 0 0 0									
Kedge 2 0 0 0 2 0 4 10 0 0 2 0 0 0										Kedge 2 0 0 0 2 0 4 10 0 0 2 0 0 0									
2nd Kedge 2 0 0 0 2 0 4 10 0 0 2 0 0 0										2nd Kedge 2 0 0 0 2 0 4 10 0 0 2 0 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										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									
29345 60 1 1/2 17 16 0 0 11 17 2 0 20 1 1 16 0 1 3/4 steel laid										29345 60 1 1/2 17 16 0 0 11 17 2 0 20 1 1 16 0 1 3/4 steel laid									
Iron Steam Chain or Steel Wire										Iron Steam Chain or Steel Wire									
Boats One 16 ft life boat & one 12 ft dinghy										Boats One 16 ft life boat & one 12 ft dinghy									
Pumps, Number Three										Pumps, Number Three									
Windlass is Steam & hand										Windlass is Steam & hand									
Engine Room Skylights—How constructed? steel coamings with lead flaps										Engine Room Skylights—How constructed? steel coamings with lead flaps									
What arrangements for deadlights in bad weather? bulls eyes										What arrangements for deadlights in bad weather? bulls eyes									
Coal Bunker Openings—How constructed? cast iron ring How are lids secured? cross bar										Coal Bunker Openings—How constructed? cast iron ring How are lids secured? cross bar									
Number of Scuppers, and number and dimensions of Freeing Ports, &c. none deck flush										Number of Scuppers, and number and dimensions of Freeing Ports, &c. none deck flush									
Ceiling in Holds, thickness and material White Pine 1 1/2										Ceiling in Holds, thickness and material White Pine 1 1/2									
Cargo Hatchways—How formed? steel plate & angles										Cargo Hatchways—How formed? steel plate & angles									
State size No. 1 Hatch (Forward) 3-6 x 6-0 No. 2 Hatch 5-0 x 2-0 No. 3 Hatch										State size No. 1 Hatch (Forward) 3-6 x 6-0 No. 2 Hatch 5-0 x 2-0 No. 3 Hatch									
Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch										Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch									
No. of Breasthooks Two										No. of Breasthooks Two									
No. of Crutches Two										No. of Crutches Two									
Bulwarks, height above deck and description steel forward only 3/16 x 2 1/2										Bulwarks, height above deck and description steel forward only 3/16 x 2 1/2									
Main Rail, material and size elm 6 x 2 1/2										Main Rail, material and size elm 6 x 2 1/2									
The above is a correct description										The above is a correct description									
Builder's Signature (here only) C. E. 60										Builder's Signature (here only) C. E. 60									
Surveyor's Signature L. H. Sandy										Surveyor's Signature L. H. Sandy									
Surveyor to Lloyd's Register of British and Foreign Shipping.										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) *Mr 22 July 1898*
Mr 8 October 1898, Mr 9 November 1898, Mr 11 March 1899, Mr 3 August 1899.

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 facing surfaces? *Yes*

Do any rivets break into or through the seams or butts of the plating? *No*

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

General Remarks (State quality of workmanship, &c.) *Good. This vessel is well built in accordance with the Rules, and the annexed tracing of midship section, profile deck plan and rudder plan. The fore peak tank have been tested by a lead of water eight feet above the crown of the tank and found satisfactory. I am of opinion she is eligible to be classed A1 Lender steel, and recorded in the Register Book 9-1899.*

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. or Break 18 ft., Bridge Dk. — ft., F'castle — ft. (in feet and tenths) where the Poop is on top of the R.Q.D., or when the Poop or R.Q.D. 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) *one deck steel covered with wood plank*

Official No. *not known* Signal Letters

How are the surfaces preserved from oxidation? Inside *concented and painted* Outside *painted*

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

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank, tested as required by the Rules	7	7 1/2
Double bottom, forward,	✓	✓	After peak tank,	✓	✓
Double bottom, under Engines and Boilers,	✓	✓	Midship deep tank,	✓	✓
Double bottom, if under Engines only,	✓	✓	Other tanks, if fitted,	✓	✓
Double bottom, if under Boilers only,	✓	✓	(If necessary, furnish further information by sketch.)	✓	✓

State whether the above have been tested as required by the Rules *Yes and found light*

Order for Special Survey No. *149* Date *1/10/98*

Order for Ordinary Survey No. *69* Date *1/10/98*

1st. On the several parts of the frame, when in place, and before the plating was wrought, *September 14, October 3, 13, 15, 21, 25, Nov 3*

2nd. On the plating during the process of riveting *9, 16, December 7, 12, 16, 23, 28, Jan 10*

3rd. When the beams were in and fastened and before the decks were laid *February 14, 28, March 6, 14, 18, 23, 30, April*

4th. When the ship was complete, and before the plating was finally coated or cemented *19, 28, May 5, 10, 23, June 1, 5, 14, July 5, 13, 15, August 2*

5th. After the ship was launched and equipped *September 1, 5, 13, 18*

Total No. of Visits *57*

The amount of Entry Fee *£ 10 0 0* Fees applied for, *Sept 1899*

Special *£ 10 0 0* Certificate *£ 10 0 0* Received by me, *Sept 1899*

Travelling Expenses, if any *£ 10 0 0*

In my opinion this Vessel should be Classed *A1 Lender steel*

With, or without Freeboard, as condition of Class

Committee's Minute *26 SEP 1899*

Character assigned *A1 Steel Tender*

+ Amc. 9.99 *Lord: as per*

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