

No. 16687

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

THUR, 12 JAN 1969

Rig Schooner

1899

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

Master J. F. Rutledge
Year of Appointment 1892

(1) As Master in service of
owner of present vessel:—1887
(2) As Master of this
vessel.....1898

CLASS	100 A 1	FEET.
Half Breadth (moulded)	20.25	
Depth from upper part of keel to top of Main Deck Beams	30.40	
Girth of Half Midship Frame (as per Rule)	51.58	
1st Number	110.53	
Length	488	
2nd Number	53938	
Proportions—Breadths to Length	8.63	

(2) As Master of the
 vessel 1898
 Built at Glasgow
 When built 1898-9 Launched 3 Sept
 By whom built Fairfield Shipbuilding & Eng^g Co Ltd
 Owners Orient Steam Navigation Co Ltd
 Managers ✓
 (Where necessary to be entered in Reg. Book.)
 Residence 13 Fenchurch Avenue London E.C.

Depths to Length—Main Deck to top of Keel 15.89
 Destined Voyage. London & Surveyed

Port belonging to London
and
while Building, Afloat, or in Dry Dock

LENGTH	on Deck as per Rule.	Ft. 488	Inches. 0	BREADTH— Moulded .	Ft. 56	Inches. 6	DEPTH, top of Floors to Spar or Awn. Dk. Beams Do. do. Main Deck Beams	Ft. 34 26	Inches. 5⁷/₈ 0²/₂	Power of Engines	Horse. 1972	No. of Decks with flat laid No. of Tiers of Beams	3 3
---------------	-------------------------	-------------------	---------------------	------------------------------	------------------	---------------------	--	-------------------------------	---	------------------	-----------------------	--	----------------------

actual

Dimensions of Ship per Register, Length 490.75 breadth 56.75 depth { 34.25 Spar or Awn. Dk. Moulded depth, ft. 29 ins. 6½ To Main Dk. Round up of Beam, Main Dk. } 6 ins

FRAMING.		Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	FORGINGS AND CASTINGS.		Inches in Ship.	Inches per Rule Or as Approved.
FRAME, Angles, $\frac{1}{2}$ [on] [Base, for $\frac{1}{2}$ length] amidships		62	32	10	62	32	10	KEEL, Bar or Side Plates, depth and thickness		
Do. for $\frac{1}{2}$ at each end		62	32	9	62	32	9	STEM, moulding and thickness	12 x 3 7/8	12 x 3 7/8
Do. in way of Double Bottoms at Solid Floors		62	32	10	62	32	10	STERN-POST for Rudder do. do.	13 x 8	13 x 8
Distance " of Frames from moulding edge to moulding edge, all fore and aft		26			26			" for Propeller	12 3/8	12 3/8
REVERSED FRAME, Angles, at intermdt Bkts		42	4	10	42	4	10	MAIN PIECE of Rudder, diameter at head ..	10 1/8	10 1/8
DEEP FRAMING, depth of girder								do. at heel ..		
FLOORS, depth and thickness of Floor Plate at mid-line for $\frac{1}{2}$ length amidships								RUDDER, how constructed	Forged single plate rudder	
" in way of Engines and Boilers								Can the Rudder be unshipped afloat?	Yes	
" thickness at the ends of vessel								KEELSONS AND STRINGERS.		
" depth at $\frac{1}{2}$ the half-bdth. as per Rule								CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercostal Plate		
" height extended at the Bilges								" Rider Plate		
FLOORS & BRACKETS, in Cell Dble Bottoms								" Bulb Plate to Intercostal Keelson		
Distance apart		26		9	26		9	" Horizontal Plates on Floors		
CENTRE GIRDER, in Double bottom, depth and thickness		48		12	48		12	" Angles		
" Angles, Top		4	4	10	4	4	10	" Bulb or Plate above floors, for		
" Bottom		62	42	10	62	42	10	" Intercostal Plate, for		
SIDE GIRDERS, number and thickness. 2								" Attached to outside plating with Angle		
" Angles		32	32	10	32	32	10	BILGE KEELSON, Angles		
MARGIN PLATE, depth (exclusive of flange) and thickness		34		11	34		11	" Bulb or Plate above floors, for		
" Angles		4	4	11	4	4	11	" Intercostal Plate, for		
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake		49		11	49		11	" Attached to outside plating with Angle		
" thickness in Engine and Boiler space				25.14			11.12	BILGE STRINGER Angles	62	42
" Remainder in Holds				10.9			10.9	" Bulb Plate, for	4	4
BEAMS, Spar or Awaiting Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		11		12	11		12	" Intercostal Plate, for	20	11
" Angles on upper edge								" Attached to outside plating with Angle	32	32
" Average space		52		52				SIDE STRINGER Angles	62	42
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		12		12			13	" Bulb or Intercostal Plate, for	4	4
" Angles on upper edge								" Attached to outside plating with Angle	20	32
" Average space		52		52				Spar, or Awaiting Deck Stringer Plates, breadth and thickness	70	13
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb		12		14			14	" Angle on ditto	6 x 6 x 12	6 x 6 x 12
" Angles on upper edge								" Tie Plates, fore and aft, outside Hatchways		
" Average space		52		52				" Diagonal Tie Plates, No. of prs.		
BEAMS, Hold, or Orlop, Plate or Tee Bulb		12		14			14	" Deck, * Iron or Steel, for	3	10.9
" Angles on upper edge								" Wood Deck, Material & thickness	3	10.9
" Average space		52		52				Main Deck Stringer Plate, breadth & thickness	73	11
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb		10		9			9	" Angles on ditto, No. 2	4 x 4 x 9	4 x 4 x 9
" Angles on upper edge								" Tie Plates, outside Hatchways	32 x 32 x 10	32 x 32 x 10
" Average space		52		52				" Diagonal Tie Plates, No. of prs.		
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb		8	3	10	8	3	10	" Deck, * Iron or Steel, for	3	9.8
" Angles on upper edge								" Wood Deck, Material & thickness	3	9.8
" Average space		52		52				Lower Deck Stringer Plates, br'dth & thck'n's	59	10
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb		10		11			11	" Angles on ditto, No. 2		
" Angles on upper edge								" Tie Plates, outside Hatchways	32 x 32 x 10	32 x 32 x 10
" Average space		52		52				" Deck, * Material and thickness	3	7.2
PILLARS, In 'tween Deck, size and spacing		4 x 3 1/2		52	4 x 3 1/2		52	Hold, or Orlop Stringer Plate, br'dth & thck'n's	44	10
" Hold		4 1/2		52	4 1/2		52	" Angles on ditto, No. 2	4 x 4 x 11	4 x 4 x 11
" Quarter, 'tween Dks., for 3/4 L		4 x 3 1/2		52	4 x 3 1/2		52	" Tie Plates, outside Hatchways	32 x 32 x 10	32 x 32 x 10
" in Hold		4 1/2		52	4 1/2		52	" Deck, Material and thickness	6	6
WEB-FRAMES, In Fore Body, No. and spacing		9 x 10		6 frame / space				Poop Deck Stringer Plate, breadth & thickness	22	8
" No. of Side Stringers		20		11	20		11	" Angles on ditto	32 x 32 x 8	32 x 32 x 8
WEB FRAMES, In E. & B. Space, No. & spacing		15 x 12		3 frame / space				" Tie Plates	22	8
" br'dth. & thickness		30		11	20		11	" Deck, Material and thickness	22	8
WEB FRAMES, In After Body, No. and spacing		6 x 12		6 frame / space				Bridge Deck Stringer Plate, br'dth & thickness	40	9
" br'dth. & thickness		20		11	20		11	" Angle on ditto	32 x 32 x 9	32 x 32 x 9
" No. of Side Stringers		2						" Tie Plates	6	6
" Size of Angles or Tee Bulb to Web Frames		6 1/2	4 1/2	14	6 1/2	4 1/2	14	" Deck, Material and thickness	22	8
BRACKET PLATES to Stringers between Web Frames, depth and thickness		18		11	18		11	Forecastle Deck Stringer Plate, br'dth & th'kns	40	8
								" Angle on ditto	32 x 32 x 9	32 x 32 x 9
								" Tie Plates	8 x 7.6	6
								" Deck, Material and thickness	3	3
								* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.		
								BULKHEADS.		
								STIFFENERS.		
								Single or Double Frames.		
								Height up.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
								Inches.		
					</					

RIVETING.

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.? Siemens Martin Steel
Nassau. Blackburn. W. Hartlepool. Palmyra.
Karlshad. Harrow. Palmyra. Glyde Bridge.
Moosand.

Spar or Awning { **Butts**, treble riveted for whole length amidship.
Stringer Plate { **Straps**, single, double or overlapped for $\frac{1}{2}$ length amidship.
Main Stringer { **Butts**, treble riveted for whole length amidship.
Plate { **Straps**, single, double or overlapped for whole length amidship.

Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted X.
Inner Bottom Plating, riveting of Edges double $\frac{1}{2}$ in. **Butts** double.
Centre Girder Butts, double straps 4 treble riveted. **Keelson Butts**, treble riveted.
Frames, riveted through Plates with 1 in. Rivets, about 7 apart.
Rivets, state whether Iron or Steel Iron.

FRAMES extend in one length from *centre line to margin plate and thence to spar deck & deck sections on every frame*
REVERSED FRAMES on floors and frames extend from *centre line to margin plate and thence to spar deck all fore & aft, & to fore-catch deck on alternate frames.*

ESTABLISHED BY ACT OF CONGRESS

EQUIPMENT No. 65644 LETTER 2+ ANCHORS. *affirmed by sev. letter 14/10/98*

EQUIPMENT No. 65644 LETTER *2+* ANCHORS. *affirmed by Sev. Letter 4/10/98*

[illegible]

HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate. Tons.	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.
				Supplied.	Per Rule.									
25662	150	2 1/2	157.11 1/2	485.1.16	970.0.3	300. 2 1/2	Stud link	as stated	Netherlands 6/12/78	TOWLINE	130	6	85	130. 6
25659	150	2 1/2	2 2	485.1.27			do	do	do 12/78	HAWSER	90	13		90. 13
28440				970.2.16						WARP	90	11		90. 11
Iron Stream Chain } on Steel Wire ... }	120	1 3/8	51.34	117.2.0	116.0.10	120. 1 3/8	do	do	do 25/90					

Boats 16
Pumps, Number 10 and engine suction as approved Diameter of Barrel and Tail Pipe 7 barrels and 3 1/2 tail pipes.
Windlass is Napier's Patent Capstan ☒
Engine Room Skylights.—How constructed? Steel casing. Yealc Skylight
What arrangements for deadlights in bad weather? Glass Bull's eyes
Coal Bunker Openings.—How constructed? Coaled through Ports How are lids secured? ☒ Height above deck? ☒
Number of Scuppers, and number and dimensions of Freeing Ports, &c. 5 scuppers 6 for 44, 2 to after dr. 8 in. bulge on Port side + 9 on 80th side
Ceiling in Holds, thickness and material 2 1/2" P.V. where not insulated Ceiling 'tween Decks, thickness and material 2" W.P.
Cargo Hatchways.—How formed? Steel casing 15 x 10 Hatches, If strong and efficient? Solid + grating
State size No. 1 Hatch (Forward) 8' 8" x 16' 0" No. 2 Hatch 15' 4" x 14' 0" No. 3 Hatch 8' 8" x 12' 0" No. 4 Hatch 8' 8" x 14' 0"
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch a shifting beam in No 2 — 5 — 10' 10" x 10' 10"
Yokes fore & after to No. 2 & 4. One to the other No. of Breasthooks 11 No. of Crutches deaf frame.
Bulwarks, height above deck and description Rails and transoms Main Rail, material and size Teak 9 x 3
The above is a correct description. FOR THE FAIRFIELD SHIPBUILDING
Builder's Signature (here only.) Edmund Sharer AND ENGINEERING CO., LIMITED. Surveyor's Signature. A. Hearle Lloyd's Register of British & Foreign Shipping.

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

M. 26/12/97. 7/1/98. 22/11/97. 26/11/97. 4/12/97. 28/1/98. 4/2/98. 12/2/98. 18/2/98. 7/7/98. E 13/9/98. 26/5/98

Workmanship. Are the butts of plating planed or otherwise fitted? *Planed & fitted*

Is the riveted work properly closed? *No*

Are the liners between the frames and plates solid single pieces? *No*

to plate, &c., conform well to each other? *Yes*

from the faying surfaces? *No*

Do the holes for riveting plate to frames, butt straps, or plate

Are the rivet holes well and sufficiently countersunk in the plate and punched

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

General Remarks (State quality of workmanship, &c.)

This is a steel twin screw spar deck steamer having a topjacket forecabin, bridge and poop. She has been built in strict accordance with the approved plans attached hereto and with the Rules generally.

The materials and workmanship are good.

The compartments of double bottom, peak tanks, tunnels, girders, waterways, decks, pumps &c. have been tested and found satisfactory.

This vessel is to be insulated in No 2 & 3 holds. The insulation in No 3 hold is complete, but the work in No 2 hold is to be done in London. A complete installation of Electric Light is also fitted.

The vessel was docked on the 7th Nov/98, for the purpose of ascertaining damage, if any, sustained by stopping on the end of slip whilst being launched.

On examination one plate in bottom on port side forward was found indented & the fore & aft flange of one frame in way of same buckled.

The plate in question has been renewed & the buckled frame in way of same firmed & a long doubling piece fitted.

The Cement in plate of bottom examined & renewed in several spaces where

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

found to be started.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 77 ft., R.Q.D. or Break 1 ft., Bridge Dk. 260 ft., F'castle 66 ft.

(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

2 dks (Stk - wo) & Span dk (Stk - Seal 5) and Vek frames

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 (Stk - wo) & Span dk (Stk - Seal 5) and Vek frames*

Official No. ; Signal Letters

How are the surfaces preserved from oxidation? Inside *Black Varnish* Outside *Paint*

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

Yes

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Feet.	Tons.	Feet.	Tons.	Feet.	Tons.
Double bottom, aft, <i>56 1/2</i>	<i>67</i>	<i>11 1/2</i>	Fore peak tank,	<i>69</i>	
Double bottom, forward, <i>54 1/2</i>	<i>18 1</i>	<i>34 1/2</i>	After peak tank,	<i>135</i>	
Double bottom, under Engines and Boilers,			Midship deep tank,		
Double bottom, if under Engines only, <i>11 1/2</i>	<i>49 1/2</i>	<i>19 1/2</i>	Other tanks, if fitted,		
Double bottom, if under Boilers only, <i>32 1/2</i>	<i>94 1/2</i>	<i>32 1/2</i>	(If necessary, furnish further information by sketch.) <i>See plan</i>		
<i>No 2 & 3 found as for F.W.</i>	<i>99 1/2</i>	<i>97 1/2</i>			

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

Yes

Order for Special Survey No. *3125*

Date *4/10/97*

Order for Ordinary Survey No.

Date

No. *404* in builder's yard

Dates of Surveys held while building as per Section 18.

- 1st. On the several parts of the frame, when in place, and before the plating was wrought } *1897. Nov 10. 17. 22. Dec 7. 9. 15. 20. 27. 1898. Jan 13. 19. 25. 27. Feb 2.*
- 2nd. On the plating during the process of riveting } *8. 14. 23. 28. Mar 3. 7. 14. 16. 21. 30. April 4. 7. 15. 18. 20. 27. May 2. 4. 9. 18.*
- 3rd. When the beams were in and fastened, and before the decks were laid } *23. 25. 30. June 2. 6. 9. 13. 16. 17. 20. 22. 24. 27. 29. July 1. 4. 5. 7. 11. 12. 13.*
- 4th. When the ship was complete, and before the plating was finally coated or cemented ... } *25. 29. Aug 3. 4. 11. 13. 17. 19. 24. 26. 27. 30. 31. Sept 1. 3. 5. 9. 13. 14. 21.*
- 5th. After the ship was launched and equipped } *Oct 6. 11. 19. 20. 26. Nov 1. 7. 8. 15. 25. Dec 1. 12. 15. 16. 19. 21. 22. 27.*

Total No. of Visits *97*

The amount of Entry Fee £ *5* : : :

Special Survey Fee £ *2 1/2* : *5* : *6*

Travelling Expenses, if any £ : : :

Fees applied for,

30/12/1898

Received by me,

4/1/1899

Certificate to be sent to

Glasgow

I am of opinion this Vessel should be Classed

With, or without Freeboard, as condition of Class

** 100 A 1 "Steel" "Spar deck"*

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

Committee's Minute

FRI 20 JAN 1899

Character assigned

*2 A & C
+ 2 M & 1, 99*

7.D.

100 A 1 Steel Spar deck

For London