

Spar, or Awning Dk. IRON OR STEEL STEAMER.

MON 13 JUN 1895

No. 13434.

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

Port of Glasgow Date of completion of Report 7 June Received at London Office
Survey held at Glasgow Date, First Survey Decr 1894 Last Survey June 4th 1895
On the Steel Screw Steamer **BARCELONA** Rig Schooner

TONNAGE under
Tonnage Deck 2746.02
Do. between Tonnage Dk. 1211.64
Spar or
Awning Dk. 1957.66
Total 1211.74
Do. 53.58
Do. 84.70
Do. 4217.68
Do. 80.75
Do. 4136.93
Do. 1349.66
Do. 26.59
Do. 2700.68

SPAR, AWNING OR PART AWNING-DECKED VESSEL,
or a Vessel having a continuous Shade Deck.
CLASS 100A.1.

Master Jaun B. Yfargaray
Year of Appointment 1895
Built at Glasgow
When built 1895 Launched 7th May
By whom built C. Connell & Co
Owners Phillips Saenz & Co
Managers ✓
Residence Ladiz
Port belonging to Ladiz

Half Breadth (moulded) 22.89
Depth from upper part of keel to top of Main Deck Beams 24.45
Girth of Half Midship Frame (as per Rule) 42.3
1st Number 89.64
Length 387.7
2nd Number 34753
Proportions—Breadths to Length 8.46
Depths to Length—Main Deck to top of Keel 15.85

Destined Voyage Philippine Islands via Surveyed while Building ✓ Afloat, or in Dry Dock ✓

LENGTH on Deck 387.8 Breadth 45.1 DEPTH, top of Floors to Spar or Awn. Dk. Beams 28.7 Power of Engines 500 No. of Decks with flat laid Two
as per Rule 387.8 Moulded 45.1 Do. 20.65 Main Deck Beams 20.65 No. of Tiers of Beams Three
Dimensions of Ship per Register, Length 390.0 breadth 46.0 depth 28.7 Spar or Awn. Dk. Moulded depth, ft. 23 ins. 6 To Main Dk. Round up of 11 ins.

FRAMING.				FORGINGS AND CASTINGS.				Inches in Ship.		Inches per Rule.	
Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule Or as Approved.
FRAME, Angles, or Bars, for $\frac{1}{2}$ length amidships				KEEL, Bar or Side Plates, depth and thickness				11 x 1 1/4		11 x 1 1/4	
Do. for $\frac{1}{2}$ at each end				STEM, moulding and thickness				11 x 3		11 x 3	
Do. in way of Double Bottoms at Solid Floors				STERN-POST for Rudder do. do.				11 x 7		11 x 7	
at intermediate Bkts.				" " for Propeller				11 x 7		11 x 7	
Distance of Frames from moulding edge to moulding edge, all fore and aft				MAIN PIECE of Rudder, diameter at head				9 1/2		9 1/2	
REVERSED FRAME, Angles				do. at heel				7 1/2 x 4 3/4		7 1/2 x 4 3/4	
DEEP FRAMING, depth of girder				RUDDER, how constructed				Frame forged & plated			
FLOORS, depth and thickness of Floor Plate at mid line for $\frac{1}{2}$ length amidships				Can the Rudder be unshipped afloat?				Yes			
" in way of Engines and Boilers				KEELSONS AND STRINGERS.				Inches in Ship. Inches in Ship. 20ths in Ship. Inches per Rule Or as Approved. Inches per Rule Or as Approved.			
thickness at the ends of vessel				CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate							
depth at $\frac{1}{2}$ the half-bdth. as per Rule				" Rider Plate							
height extended at the Bilges				" Bulb Plate to Intercoastal Keelson							
FLOORS & BRACKETS, in Cell Dble Bottoms				" Horizontal Plates on Floors							
Distance apart				Angles							
CENTRE GIRDER, in Double bottom, depth and thickness				SIDE KEELSON, Angles							
" Angles, Top				" Bulb or Plate above floors, for lng.							
" Bottom				" Intercoastal Plate, for length							
SIDE GIRDERS, number and thickness				Attached to outside plating with Angle							
" Angles				BILGE KEELSON, Angles							
MARGIN PLATE, depth (exclusive of flange) and thickness				" Bulb or Plate above floors, for lng.							
" Angles				" Intercoastal Plate, for length							
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake				Attached to outside plating with Angle							
" thickness in Engine and Boiler space				BILGE STRINGER Angles				8 3 10 8 3 10			
Remainder in Holds				" Bulb Plate, for length							
BEAMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				Attached to outside plating with Angle				3 1/2 3 1/2 10 3 1/2 3 1/2 10			
" Angles on upper edge				SIDE STRINGER Angles				8 3 10 8 3 10			
" Average space				" Bulb or Intercoastal Plate, for lng.							
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				Attached to outside plating with Angle							
" Angles on upper edge				Spar, or Awning Deck Stringer Plates, breadth and thickness				57 11 57 11			
" Average space				" Angle on ditto				4 x 4 x 9 4 x 4 x 9			
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb				Tie Plates, fore and aft, outside Hatchways							
" Angles on upper edge				Diagonal Tie Plates, No. of prs							
" Average space				Deck, * Iron or Steel, for whole lng.				8 7/8 8 7/8			
BEAMS, Hold, or Orlop, Plate or Tee Bulb				Wood Deck, Material & thickness				Y. Pine 3 3 8 7/8			
" Angles on upper edge				Main Deck Stringer Plate, breadth & thickness				57 10 57 10			
" Average space				" Angles on ditto, No.				4 x 4 x 9 4 x 4 x 9			
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb				Tie Plates, outside Hatchways							
" Angles on upper edge				Diagonal Tie Plates, No. of prs							
" Average space				Deck, * Iron or Steel, for whole lng.				8 7/8 8 7/8			
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb				Wood Deck, Material & thickness							
" Angles on upper edge				Lower Deck Stringer Plates, br'dth & thckn's				47 9 47 9			
" Average space				" Angles on ditto, No.				4 x 4 x 9 4 x 4 x 9			
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb				Tie Plates, outside Hatchways							
" Angles on upper edge				Deck, * Material and thickness				W. Pine 3 3 19 3			
" Average space				Hold, or Orlop Stringer Plate, br'dth & thckn's							
PILLARS, In tween Deck, size and spacing				Angles on ditto, No.							
" Hold				Tie Plates, outside Hatchways							
" Quarter, tween Dks.,				Deck, Material and thickness							
" in Hold				Poop Deck Stringer Plate, breadth & thickness				30 7 30 7			
WEB FRAMES, In Fore Body, No. and spacing				" Angles on ditto				3 1/2 x 3 x 7 3 1/2 x 3 x 7			
" br'dth. & thickness				" Tie Plates				12 7 12 7			
" No. of Side Stringers				" Deck, Material and thickness				Y. Pine 3 3 3			
WEB FRAMES, In E. & B. Space, No. & spacing				Bridge Deck Stringer Plate, br'dth & thickness							
" br'dth. & 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 Web Frames, depth and thickness				Forecastle Deck Stringer Plate, br'dth & th'kns							
				" Angle on ditto				30 7 30 7			
				" Tie Plates				12 7 12 7			
				" Deck, Material and thickness				Y. Pine 3 3 3			
				BULKHEADS.							
				Number.				STIFFENERS.			
				In Vessel.				Horizontal.			
				Per Rule.				Vertical.			
				Thickness.				Spacing			
				20ths in Ship.				Inches.			
				W. T. BULKHEADS				Single or Double Frames.			
				PARTITION				Height up.			
				LONGITUDINAL							
				6 6 7 6 8 3 x 4 1/2 5 1/2 x 3 1/2 7 1/2 4 1/2				8 1/2 8 1/2 8 1/2 8 1/2			
				1 1 3/16 9 10 3 x 3 1/2 3 1/2 4 x 3 1/2 3 1/2				3 1/2 3 1/2 3 1/2 3 1/2			

PLATING.

STRAKES.

AS IN SHIP.

PER RULE OR AS APPROVED.

AMIDSHIP.

FORWARD.

AFT.

Breadth.

Thickness.

Thickness.

Thickness.

Breadth.

Thickness.

Breadth.

Thickness.

Inches.

Inches.

Inches.

Inches.

Inches.

Inches.

Inches.

Inches.

Double or Treble and for what Length.

RIVETS.

Double or Treble and for what Length.

RIVETS.

STRAPS.

IF LAPPED.

Single or Double.

Breadth of Lap.

Diam.

Spacing or to cr.

Diam.

Spacing or to cr.

Breadth.

Thick-

Breadth.

For what Length.

10th or 20th.

10th or 20th.

10th or 20th.

10th or 20th.

10th or 20th.

10th or 20th.

10th or 20th.

10th or 20th.

Garboard or A Strake

B

C

D

E

F

G

H

J

K

L

M

N

O

P

Q

DOUBLING of Flat Plate Keel

Length and thickness

POOP 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.?

Butts, treble riveted for

Stringer Plate

Main Stringer

Plate

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.

LOWER MASTS

Bowsprit

Topmasts, Yards and Remainder of Spars

Rigging, Material and Size, Shrouds

Sails

EQUIPMENT No.

ANCHORS.

CHAIN CABLES.

HAWSERS AND WARPS.

Boats

Pumps, Number

Windlass is

Engine Room Skylights.—How constructed?

What arrangements for deadlights in bad weather?

Coal Bunker Openings.—How constructed?

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

Ceiling in Holds, thickness and material

Cargo Hatchways.—How formed?

State size No. 1 Hatch (Forward)

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

Bulwarks, height above deck and description

The above is a correct description.

Builder's Signature (here only.)

Diameter of Barrel and Tail Pipe

Capstan

How are lids secured?

Height above deck?

Ceiling 'tween Decks, thickness and material

Hatches, If strong and efficient?

No. 3 Hatch

No. 4 Hatch

One shifting Beam

No. of Breasthooks

No. of Crutches

Main Rail, material and size

Surveyor's Signature

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

13734 gjs.

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

30/11/94. 28/12/94 M. 2/1/95. E.

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

Is the riveted work properly closed? *yes*

Are the liners between the frames and plates solid single pieces? *yes*

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

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.)

The workmanship throughout is good. The vessel has been built in accordance with the approved plans, the Secretary's letter referred to, and in general conformity with the requirements of the Rules for the class Contemplated.

The hand pumps, watertight doors and gutterwaterways have been tested as required & found to be satisfactory.

This vessel is fitted with a complete installation of Electric Light.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *36* ft., R.Q.D. or Break — ft., Bridge Dk. — ft., F'castle *48* 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) *1st Steel 1st Spar Deck (Steel ribs) 3rd Beams*

Official No. — ; Signal Letters —

How are the surfaces preserved from oxidation? Inside *Cement & paint* Outside *paint*

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

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>100</i>	<i>159</i>	Fore peak tank,		
Double bottom, forward, <i>part under Boilers</i>	<i>170</i>	<i>364</i>	After peak tank,		
Double bottom, under Engines and Boilers,	<i>48</i>	<i>137</i>	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*

Order for Special Survey No. *2818*

Date *3rd Dec^r 1894*

Order for Ordinary Survey No. *✓*

Date *✓*

No. *219* 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 *1894. Dec 4. 10. 12. 17. 20. 21. 26. 1895. Jan 8. 11. 16. 18*
- 2nd. On the plating during the process of riveting *22. 28. Feb. 6. 14. 19. 27. March 5. 8. 13. 20. 22. 26. April 25. 30.*
- 3rd. When the beams were in and fastened, and before the decks were laid *1. 2. 4. 8. 10. 16. 18. 22. 24. 25. 30. May 3. 6. 10. 20. 27*
- 4th. When the ship was complete, and before the plating was finally coated or cemented *June 3. 4*
- 5th. After the ship was launched and equipped

Total No. of Visits *43*

The amount of Entry Fee£ *5* : : *4/6* 1895

Special Survey Fee ...£ *128* : *8* : *6*

Travelling Expenses, if any £ : : *6/6* 1895

Fees applied for,

Received by me,

Certificate to be sent to

Glasgow

I am of opinion this Vessel should be Classed *100A-1. Spar Deck*

With, or without Freeboard, as condition of Class *Steel*

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

Committee's Minute *TUES 11 JUN 1895*

Character assigned

100A-1 Steel Spar Deck

at CP + 2 MC 6.95

1st (Steel) + Spar Deck (Steel-ribs) 3 ribs

It is submitted that this vessel having been built in accordance with the approved plans and in compliance with the Rules is eligible to be classed 100A-1 Steel Spar Deck as recommended. The calculations made by the Bower Brothers & Co. weight of the chain cable is slightly less than required by Table 22: the case is submitted to the favourable consideration of the Committee for the future.

100A-1 Steel Spar Deck

1st (Steel) + Spar Deck (Steel-ribs) 3 ribs

W.B. = Cell D.B. 2.95 + 1.5 + 8.80 + 1.42 = 6.67

BK. 11"

Lloyd's Register

10.6.95

GLS172-0180(2)29