

Spar, or Awning Dk. ~~IRON OR~~ STEEL STEAMER.

No. 47661

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

Port of *Newcastle* Date of completion of Report *26 September* Received at London Office *10.27 SEP 1904*

Survey held at *Newcastle* Date, First Survey *February 15* Last Survey *20 Sept 1904*

On the *Steel S.S. cargo Manzanillo* Rig *Schooner*

TONNAGE under Tonnage Deck... *2829.88*

Do. between Tonnage Dk. and 3rd, 4th, Spar or Awning Dk.

Total under Upper Dk.

Do. of Poop

Do. of Bridge House

Do. of Forecasts

Do. of Houses on Deck

Do. of excess of Hatchways

Do. above Crown of Engine Room

Gross Tonnage

Less Crew Space

Less above Crown of

Fine Room

AGE FOR FEES

Engine Room

Navigation Spaces

Net Tonnage

Net on Beam

SPAR, AWNING OR PART AWNING-DECKED VESSEL,

or a Vessel having a continuous Shade Deck.

CLASS *100.A.1*

Half Breadth (moulded)

Depth from upper part of keel to top of Main Deck Beams

Girth of Half Midship Frame (as per Rule)

1st Number

Length

2nd Number

Proportions—Breadths to Length

Depths to Length—Main Deck to top of Keel

Destined Voyage *West Indies*Master *Winter*

Year of Appointment

Built at *Newcastle*When built *1904*By whom built *Wm. G. Munstong*Owners *Cuba Steamship Co. Ltd*Managers *E. Bigland & Co*

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

Residence *London*Port belonging to *London*

If Surveyed while Building, Afloat, or in Dry Dock

DEPTH on Deck *22.34* Breadth *44.9* Depth, top of Floors to Spar or Awning Dk. Beams *19.19* Main Deck Beams *18.34* Power of Engines *4* No. of Decks with flat laid *2* No. of Tiers of Beams *2*

Dimensions of Ship per Register, Length *330.5* breadth *45.0* depth *22.34* Spar or Awning Dk. Moulded depth, ft. *18.34* To Main Dk. Round up of *10.34* Beam, Main Dk. *10.34*

FRAMING.				FORGINGS AND CASTINGS.				Inches in Ship.				Inches per Rule.			
ME, Angles, or Bars, for 1/2 length amidships	Inches in Ship.	Inches in Ship.	20ths in Ship.	KEEL, Bar or Side Plates, depth and thickness	Inches in Ship.	Inches in Ship.	20ths in Ship.	STEM, moulding and thickness	Inches in Ship.	Inches in Ship.	20ths in Ship.	STERN-POST for Rudder do. do.	Inches in Ship.	Inches in Ship.	20ths in Ship.
Do. for 1/2 at each end	9	3	11/10	9	3	11/10	9	10 x 2 1/4	10	2 1/4	10	10 x 6	10	6	10
Do. in way of Double Bottoms at Solid Floors	9	3	8 1/3	9	3	8 1/3	9	18 x 6	18	6	18	18 x 6	18	6	18
Do. at intermdt. Blks.	9	3	8 1/3	9	3	8 1/3	9	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2	8 1/2
Distance of Frames from moulding edge to moulding edge, all fore and aft	9	3	8 1/3	9	3	8 1/3	9	4 do. at heel	4	do.	4	4 do. at heel	4	do.	4
Reversed Frame, Angles	9	3	8 1/3	9	3	8 1/3	9	RUDDER, how constructed	Forged from Angle plate 2 1/2 x 20						
EP FRAMING, depth of girder	9	3	8 1/3	9	3	8 1/3	9	Can the Rudder be unshipped afloat?	Yes						
FLORS, depth and thickness of Floor Plate	9	3	8 1/3	9	3	8 1/3	9	KEELSONS AND STRINGERS.							
Do. at mid-line for 1/2 length amidships	9	3	8 1/3	9	3	8 1/3	9	CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches in Ship.
Do. in way of Engines and Boilers	9	3	8 1/3	9	3	8 1/3	9	Do. Rider Plate							
Do. thickness at the ends of vessel	9	3	8 1/3	9	3	8 1/3	9	Do. Bulb Plate to Intercoastal Keelson							
Do. depth at 1/2 the half-bdth. as per Rule	9	3	8 1/3	9	3	8 1/3	9	Do. Horizontal Plates on Floors							
Do. height extended at the Bilges	9	3	8 1/3	9	3	8 1/3	9	Do. Angles							
Do. BARS & BRACKETS, in Cell Dble Bottoms	9	3	8 1/3	9	3	8 1/3	9	SIDE KEELSON, Angles							
Distance apart	9	3	8 1/3	9	3	8 1/3	9	Do. Bulb or Plate above floors, for length							
CENTRE GIRDER, in Double bottom, depth and thickness	9	3	8 1/3	9	3	8 1/3	9	Do. Intercoastal Plate, for length							
Do. Angles, Top	9	3	8 1/3	9	3	8 1/3	9	Do. Attached to outside plating with Angle							
Do. Bottom	9	3	8 1/3	9	3	8 1/3	9	BILGE KEELSON, Angles							
Do. GIRDERS, number and thickness	9	3	8 1/3	9	3	8 1/3	9	Do. Bulb or Plate above floors, for length							
Do. Angles	9	3	8 1/3	9	3	8 1/3	9	Do. Intercoastal Plate, for length							
Do. FLANGE PLATE, depth (exclusive of flange) and thickness	9	3	8 1/3	9	3	8 1/3	9	Do. Attached to outside plating with Angle							
Do. Angles	9	3	8 1/3	9	3	8 1/3	9	BILGE STRINGER Angles							
Do. LOWER BOTTOM PLATING, breadth and thickness of Middle Line Strake	9	3	8 1/3	9	3	8 1/3	9	Do. Bulb Plate, for length							
Do. thickness in Engine and Boiler space	9	3	8 1/3	9	3	8 1/3	9	Do. Intercoastal Plate, for length							
Do. Remainder in Holds	9	3	8 1/3	9	3	8 1/3	9	Do. Attached to outside plating with Angle							
Do. MS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	9	3	8 1/3	9	3	8 1/3	9	SIDE STRINGER Angles							
Do. Angles on upper edge	9	3	8 1/3	9	3	8 1/3	9	Do. Bulb or Intercoastal Plate, for length							
Do. Average space	9	3	8 1/3	9	3	8 1/3	9	Do. Attached to outside plating with Angle							
Do. MS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	9	3	8 1/3	9	3	8 1/3	9	Spar, or Awning Deck Stringer Plates, breadth and thickness	58	7 1/2	10	58	7 1/2	10	58
Do. Angles on upper edge	9	3	8 1/3	9	3	8 1/3	9	Do. Angle on ditto	4	4	9	4	4	9	4
Do. Average space	9	3	8 1/3	9	3	8 1/3	9	Do. Tie Plates, fore and aft, outside Hatchways	4	4	9	4	4	9	4
Do. MS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	9	3	8 1/3	9	3	8 1/3	9	Do. Diagonal Tie Plates, No. of							
Do. Angles on upper edge	9	3	8 1/3	9	3	8 1/3	9	Do. Deck, * Iron or Steel, for Full length							
Do. Average space	9	3	8 1/3	9	3	8 1/3	9	Do. Wood Deck, Material and thickness							
Do. MS, Hold, or Orlop, Plate or Tee Bulb	9	3	8 1/3	9	3	8 1/3	9	Main Deck Stringer Plate, breadth & thickness	52	8	9	52	8	9	52
Do. Angles on upper edge	9	3	8 1/3	9	3	8 1/3	9	Do. Angles on ditto, No. 2	4	4	9	4	4	9	4
Do. Average space	9	3	8 1/3	9	3	8 1/3	9	Do. Tie Plates, outside Hatchways							
Do. MS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	9	3	8 1/3	9	3	8 1/3	9	Do. Diagonal Tie Plates, No. of							
Do. Angles on upper edge	9	3	8 1/3	9	3	8 1/3	9	Do. Deck, * Iron or Steel, for Full length							
Do. Average space	9	3	8 1/3	9	3	8 1/3	9	Do. Wood Deck, Material and thickness							
Do. MS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	9	3	8 1/3	9	3	8 1/3	9	Lower Deck Stringer Plates, breadth & thickness							
Do. Angles on upper edge	9	3	8 1/3	9	3	8 1/3	9	Do. Angles on ditto, No. 2							
Do. Average space	9	3	8 1/3	9	3	8 1/3	9	Do. Tie Plates, outside Hatchways							
Do. MS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	9	3	8 1/3	9	3	8 1/3	9	Do. Deck, * Material and thickness							
Do. Angles on upper edge	9	3	8 1/3	9	3	8 1/3	9	Hold, or Orlop Stringer Plate, breadth & thickness							
Do. Average space	9	3	8 1/3	9	3	8 1/3	9	Do. Angles on ditto, No. 2							
Do. MS, In 'tween Deck, size and spacing	9	3	8 1/3	9	3	8 1/3	9	Do. Tie Plates, outside Hatchways							
Do. Hold	9	3	8 1/3	9	3	8 1/3	9	Do. Deck, Material and thickness							
Do. Quarter, 'tween Dks.	9	3	8 1/3	9	3	8 1/3	9	Poop Deck Stringer Plate, breadth & thickness	3 1/2	3 1/2	11	3 1/2	3 1/2	11	3 1/2
Do. in Hold	9	3	8 1/3	9	3	8 1/3	9	Do. Angles on ditto	3 1/2	3 1/2	11	3 1/2	3 1/2	11	3 1/2
Do. WEB-FRAMES, In Fore Body, No. and spacing	9	3	8 1/3	9	3	8 1/3	9	Do. Tie Plates							
Do. breadth & thickness	9	3	8 1/3	9	3	8 1/3	9	Do. Deck, Material and thickness							
Do. No. of Side Stringers	9	3	8 1/3	9	3	8 1/3	9	Bridge Deck Stringer Plate, breadth & thickness	3 1/2	3 1/2	11	3 1/2	3 1/2	11	3 1/2
Do. WEB-FRAMES, In E. & B. Space, No. & spacing	9	3	8 1/3	9	3	8 1/3	9	Do. Angles on ditto	3 1/2	3 1/2	11	3 1/2	3 1/2	11	3 1/2
Do. breadth & thickness	9	3	8 1/3	9	3	8 1/3	9	Do. Tie Plates							
Do. WEB-FRAMES, In After Body, No. and spacing	9	3	8 1/3	9	3	8 1/3	9	Do. Deck, Material and thickness							
Do. breadth & thickness	9	3	8 1/3	9	3	8 1/3	9	Forecastle Deck Stringer Plate, breadth & thickness	3 1/2	3 1/2	11	3 1/2	3 1/2	11	3 1/2
Do. No. of Side Stringers	9	3	8 1/3	9	3	8 1/3	9	Do. Angles on ditto	3 1/2	3 1/2	11	3 1/2	3 1/2	11	3 1/2
Do. Size of Angles or Tee Bars to Web Frames	9	3	8 1/3	9	3	8 1/3	9	Do. Tie Plates							
Do. BRACKET PLATES to Stringers between Web Frames, depth and thickness	9	3	8 1/3	9	3	8 1/3	9	Do. Deck, Material and thickness							

PLATING.										RIVETING.																																																																																																																
AS IN SHIP.					PER RULE OR AS APPROVED.					EDGES.					BUTTS.																																																																																																											
STRAKES.	AMIDSHIP.				Breadth of Double Bottom.	Single or Double.	Breadth of Lap.	Rivets.	Double or Treble and for what Length.	Rivets.	Straps.	If Lapped.	Breadth.	For what Length.																																																																																																												
	Thickness.	Thickness.	Thickness.	Thickness.																																																																																																																						
FLAT PLATE KEEL (If Bar Keel, state Riveting)	19	13	13	13	19	Double	6 3/4	1 1/8	4	Double	1 1/8	3 1/2	16	Full																																																																																																												
GARBOARD OR A Strake	13	11	11	11	13	"	5 1/4	1 1/8	3 1/2	"	1 1/8	3 1/2	12	"																																																																																																												
B "	11	10	10	10	11	"	"	"	"	"	"	"	"	"																																																																																																												
C "	10	9	9	9	10	"	"	"	"	"	"	"	"	"																																																																																																												
D "	9	8	8	8	9	"	"	"	"	"	"	"	"	"																																																																																																												
E "	8	7	7	7	8	"	"	"	"	"	"	"	"	"																																																																																																												
F "	7	6	6	6	7	"	"	"	"	"	"	"	"	"																																																																																																												
G "	6	5	5	5	6	"	"	"	"	"	"	"	"	"																																																																																																												
H "	5	4	4	4	5	"	"	"	"	"	"	"	"	"																																																																																																												
I "	4	3	3	3	4	"	"	"	"	"	"	"	"	"																																																																																																												
J "	3	2	2	2	3	"	"	"	"	"	"	"	"	"																																																																																																												
K "	2	1	1	1	2	"	"	"	"	"	"	"	"	"																																																																																																												
L "	1	0	0	0	1	"	"	"	"	"	"	"	"	"																																																																																																												
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DOUBLING OF Flat Plate Keel																																																																																																																										
Length of Bilges 23 feet 14 at end of long poop																																																																																																																										
Length of Sheerstrakes 11 1/2																																																																																																																										
Length of Strake below 11 1/2																																																																																																																										
POOP SIDES 11 1/2																																																																																																																										
BRIDGE SIDES 11 1/2																																																																																																																										
FORECASTLE SIDES 11 1/2																																																																																																																										
Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Ties and Stringer Plates, Plating, &c. <i>W. G. Armstrong & Co. Ltd. Newcastle-on-Tyne</i>																																																																																																																										
Spar or Awning Butts, treble riveted for 3/4 length amidship.																																																																																																																										
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Plate (Straps, single, double or overlapped for 3/4 length amidship.																																																																																																																										
Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted 3/4																																																																																																																										
Inner Bottom Plating, riveting of Edges 3/4																																																																																																																										
Centre Girder Butts, treble riveted 3/4																																																																																																																										
Keelson Butts, treble riveted 3/4																																																																																																																										
Frames, riveted through Plates with 3/4 in. Rivets, about 3/4 apart.																																																																																																																										
Rivets, state whether Iron or Steel 3/4																																																																																																																										
FRAMES extend in one length from <i>Hull to Bilge and Bilge to Foremast</i>																																																																																																																										
REVERSED FRAMES on floors and frames extend from <i>Bilge angle frames and as per appd. plans</i>																																																																																																																										
MASTS, SPARS, &c.																																																																																																																										
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Bowsprit: <i>Topmast, Yards and Remainder of Spars Patch Pine</i>																																																																																																																										
Rigging: <i>Material and Size, Shrouds Fore 5", Main 3 1/2" Steel wire</i>																																																																																																																										
Sails: <i>Good Suit of One</i>																																																																																																																										
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5344	1st Bower	40	1	14	40	1	14	40	1	14	Rods Pat. Rod 16"	Swindell and																																																																																																														
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What arrangements for deadlights in bad weather? <i>Strong glass gratings</i>																																																																																																																										
Coal Bunker Openings.—How constructed? <i>Steel casings and wood top</i>																																																																																																																										
Number of Scuppers, and number and dimensions of Freeing Ports, &c. <i>3 Scuppers & 4 Freeing Ports 30" x 24" each side</i>																																																																																																																										
Ceiling in Holds, thickness and material <i>2 1/2" Pine</i>																																																																																																																										
Cargo Hatchways.—How formed? <i>Steel casings</i>																																																																																																																										
State size No. 1 Hatch (Forward) 18' 0" x 16' 0" No. 2 Hatch 32' 0" x 16' 0" No. 3 Hatch 26' 0" x 16' 0" No. 4 Hatch 20' 0" x 14' 0"																																																																																																																										
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch <i>1 Web plate to No. 1, 14. 3 Web plates to No. 2</i>																																																																																																																										
Bulwarks, height above deck and description <i>3' 9" steel</i>																																																																																																																										
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Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) *23/1/04*

29/1/04; 19/2/04

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? *Joggled plates*

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 very few*

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

General Remarks (State quality of workmanship, &c.) *This Steel Iron Steam has been built in accordance with the approved amended Midship Section forwarded to London on the 26th instant and plans attached, the Secretary's letter and in other respects with the Rules, and the materials and workmanship throughout are good*

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *203* ft., B.O.D. or Break *11* ft., Bridge Dile *4* ft., F'castle *3 1/4* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Poop and Bridge joined per plan*

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) & 2nd (Steel) & 3rd (Steel) & 4th (Steel) & 5th (Steel) & 6th (Steel) & 7th (Steel) & 8th (Steel) & 9th (Steel) & 10th (Steel)*

Official No. *100*; Signal Letters *100*

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

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Double bottom, aft,	8 1/2	15 1/2	Fore peak tank,		
Double bottom, forward,	15 1/2	34 1/2	After peak tank,	14	46
Double bottom, under Engines and Boilers,	4 1/2	11 1/2	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. *2873*

Date *28.3.04*

Order for Ordinary Survey No. *2873*

Date *28.3.04*

No. *154* 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 *1904 Feb. 15, 19, 22, 23, 25. March 1, 4, 11, 16, 23, 25. April 12, 14, 22, 28.*

2nd. On the plating during the process of riveting *May 3, 9, 11, 13, 16, 20, 26, 30, June 7, 15, 17, 28, 30, July 1, 5, 6, 7, 13, 25, 26.*

3rd. When the beams were in and fastened, and before the decks were laid *Aug. 9, 11, 15, 17, 18, 23, 24, 25, 26, 30, Sep. 16, 9, 13, 20.*

4th. When the ship was complete, and before the plating was finally coated or cemented *Aug. 9, 11, 15, 17, 18, 23, 24, 25, 26, 30, Sep. 16, 9, 13, 20.*

5th. After the ship was launched and equipped

Total No. of Visits *51*

The amount of Entry Fee *5*

Special Survey Fee *97:9:6*

Travelling Expenses, if any *100*

Fees applied for, *26 SEP 1904*

Received by me, *100*

Certificate to be sent to *Newcastle-on-Tyne*

I am of opinion this Vessel should be Classed *100 A. 1. Steel*

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

Committee's Minute *FRI. 30 SEP 1904*

Character assigned *100 A. 1. Steel*

Lloyd's A. & C. P. + some 9.04

Write Rule

W. G. Armstrong & Co. Ltd. Newcastle-on-Tyne

M. Neil G. Demarest

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