

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

No. 21030

TUES. 5 AUG 1902

Port of Sunderland Date of completion of Report 30th July 1902 Received at London Office
Survey held at Sunderland Date, First Survey 28th Nov^r 1901 Last Survey 23rd July 1902
On the Steel Screw Steamer "Benarty" Rig Fore & aft schooner

TONNAGE under
Tonnage Deck... 3505.93
Do. between Tonnage Dk.
and 1st, 2nd, 3rd, 4th, Spar or
Awning Dk.

Total under Upper Dk. 3505.93

Do. of Poop 113.76

Do. of Bridge House 69.55

Do. of Forecasts 54.82

Do. of Houses on Deck 105.25

Do. of excess of Hatchways 19.39

Do. above Crown of Engine Room 41.40

Gross Tonnage 3910.10

Less Crew Space 113.77

Less above Crown of Engine Room 41.40

TONNAGE FOR FEES... 3755.53

Less Engine Room 1251.23

Less Navigation Spaces 35.40

Above Crown of Engine Room 41.40

Register Tonnage as cut on Beam... 2510.30

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

CLASS 100 A1

FEET.

Half Breadth (moulded) 22.92

Depth from upper part of keel to top of Main Deck Beams 21.42

Girth of Half Midship Frame (as per Rule) 40.29

1st Number 84.63

Length 358.2

2nd Number 30314

Proportions—Breadths to Length 7.85

Depths to Length—Main Deck to top of Keel 16.7

Destined Voyage China via

Middlebrook & London

Master John Sarchet

Year of Appointment (1) As Master in service of owner of present vessel—18. 93.
(2) As Master of this vessel—1902

Built at Sunderland

When built 1902 Launched 5th June 1902

By whom built Messrs Bartram & Sons

Owners William Thomson & Co

Managers " " "

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

Residence 28 Bernard St. Leith

Port belonging to Leith

Surveyed while Building, Afloat, or in Dry Dock under Special Survey.

Length on Deck Feet. Inches. 358 2 1/2
BREADTH—Feet. Inches. 22 9 1/2
Moulded 45 10
Do. top of Floors to Spar or Awning Dk. Beams 26 2 1/2
Main Deck Beams 18 3 1/2
Power of Engines 357
Horse. 357
No. of Decks with flat laid 2
No. of Tiers of Beams 2

Dimensions of Ship per Register, Length 382.5 breadth 46.1 depth 26.25 Spar or Awning Dk. 18.30 Main Deck. Moulded depth, ft. 20 ins. 6 To Main Dk. Round up of Beam, Main Dk. 16 ins.

FRAMING.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
NAME, Angles, or Bars, for 1/2 length amidships	9	3 1/2	12	9	3 1/2	12			
Do. for 1/2 at each end	9	3 1/2	11	9	3 1/2	11			
Do. in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	8	3 1/2	3 1/2	8			
" " " at intermdt. Bkts.	5	3 1/2	8	5	3 1/2	8			
Distance of Frames from moulding edge to moulding edge, all fore and aft	24			24					
EVERSED FRAME, Angles									
DEEP FRAMING, depth of girder	42			42					
DOORS, depth and thickness of Floor Plate	8			8					
" " " at mid line for 1/2 length amidships	8			8					
" " in way of Engines and Boilers	8			8					
" " thickness at the ends of vessel	8			8					
" " depth at 1/2 the half bth. as per Rule	8			8					
" " height extended at the Bilges	8			8					
DOORS & BRACKETS, in Cell Dble Bottoms	48			48					
Distance apart	48			48					
NTRE GIRDER, in Double bottom, depth and thickness	42			42					
" " Angles, Top	4			4					
" " " Bottom	6 1/2			6 1/2					
DE GIRDEES, number and thickness	Three			Three					
" " Angles	3 1/2			3 1/2					
ARGIN PLATE, depth (exclusive of flange) and thickness	32			32					
" " Angles	4			4					
NER BOTTOM PLATING, breadth and thickness of Middle Line Strake	60			60					
" " thickness in Engine and Boiler space	8			8					
Remainder in Holds	9			9					
AMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	10			10					
Angles on upper edge	12			12					
Average space	48			48					
AMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	12			12					
Angles on upper edge	12			12					
Average space	48			48					
AMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	10			10					
Angles on upper edge	12			12					
Average space	48			48					
AMS, Hold, or Orlop, Plate or Tee Bulb	10			10					
Angles on upper edge	12			12					
Average space	48			48					
AMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	5 1/2			5 1/2					
Angles on upper edge	9			9					
Average space	24			24					
AMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	6			6					
Angles on upper edge	9			9					
Average space	24			24					
AMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	8 1/2			8 1/2					
Angles on upper edge	3 1/2			3 1/2					
Average space	48			48					
ILLARS, In tween Deck, size and spacing	2 1/8 apart			2 1/8 apart					
" " Hold	5 1/2			5 1/2					
" " Quarter, tween Dks., " "	5 1/2			5 1/2					
" " in Hold	5 1/2			5 1/2					
EB-FRAMES, In Fore Body, No. and spacing	One to Main Dk. in way of main hatch			One to Main Dk. in way of main hatch					
" " breadth & thickness	36			36					
" " No. of Side Stringers	9			9					
EB-FRAMES, In E. & B. Space, No. & spacing	One as per Profile			One as per Profile					
" " breadth & thickness	24			24					
EB-FRAMES, In After Body, No. and spacing	One as per Profile			One as per Profile					
" " breadth & thickness	24			24					
" " No. of Side Stringers	9			9					
" " Size of Angles or Tee Bars to Web Frames	3 1/2			3 1/2					
BRACKET PLATES to Stringers between Web Frames, depth and thickness	5			5					

FORGINGS AND CASTINGS.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
KEEL, Bar or Side Plates, depth and thickness	7			7	
STEM, moulding and thickness	11 x 2 3/4			11 x 2 3/4	
STERN-POST for Rudder do. do.	11 x 6 1/2			11 x 6 1/2	
" " for Propeller	11 x 6 1/2			11 x 6 1/2	
MAIN PIECE of Rudder, diameter at head	9" dia			9" dia	
do. at heel	6 3/4"			6 3/4"	

RUDDER, how constructed Forged & built with single plate
Can the Rudder be unshipped afloat? Yes

KEELSONS AND STRINGERS.

	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches in Ship.
CENTRE LINE KEELSON, Vertical Plate, above Floor, Through Plate, or Intercoastal Plate					
Under Plate					
Bulb Plate to Intercoastal Keelson					
Horizontal Plates on Floors					
Angles					
SIDE KEELSON, Angles					
Bulb or Plate above floor, for length					
Intercoastal Plate, for length					
Attached to outside plating with Angle					
BILGE KEELSON, Angles					
Bulb or Plate above floor, for length	140			140	
Intercoastal Plate, for length					
Attached to outside plating with Angle					
BILGE STRINGER, Angles					
Bulb or Plate above floor, for length					
Intercoastal Plate, for length					
Attached to outside plating with Angle					
2SIDE STRINGERS, Angles	10			10	
Bulb or Intercoastal Plate, for length	19			19	
Attached to outside plating with Angle	3 1/2			3 1/2	

Spar, or Awning Deck Stringer Plates, breadth and thickness	56			56	
" Angle on ditto	4 x 4			4 x 4	
" Tie Plates, fore and aft, outside Hatchways	Increased 1/16 with 1/2 beam on alternate frames			Increased 1/16 with 1/2 beam on alternate frames	
" Diagonal Tie Plates, No. of pair	8			8	
" Deck * Iron or Steel, for full lng.	1 1/2 x 1/2			1 1/2 x 1/2	
" Wood Deck. Material & thickness	No wood deck laid			No wood deck laid	
Main Deck Stringer Plate, breadth & thickness	56			56	
" Angles on ditto, No.	4 x 4			4 x 4	
" Tie Plates, outside Hatchways	Increased 1/16 with 1/2 beam on alternate frames			Increased 1/16 with 1/2 beam on alternate frames	
" Diagonal Tie Plates, No. of pair	8			8	
" Deck * Iron or Steel, for full lng.	1 1/2 x 1/2			1 1/2 x 1/2	
" Wood Deck. Material & thickness	No wood deck laid			No wood deck laid	
Lower Deck Stringer Plates, breadth & thickness	56			56	
" Angles on ditto, No.	4 x 4			4 x 4	
" Tie Plates, outside Hatchways	Increased 1/16 with 1/2 beam on alternate frames			Increased 1/16 with 1/2 beam on alternate frames	
" Diagonal Tie Plates, No. of pair	8			8	
" Deck * Iron or Steel, for full lng.	1 1/2 x 1/2			1 1/2 x 1/2	
" Wood Deck. Material & thickness	No wood deck laid			No wood deck laid	
Hold, or Orlop Stringer Plate, breadth & thickness	56			56	
" Angles on ditto, No.	4 x 4			4 x 4	
" Tie Plates, outside Hatchways	Increased 1/16 with 1/2 beam on alternate frames			Increased 1/16 with 1/2 beam on alternate frames	
" Diagonal Tie Plates, No. of pair	8			8	
" Deck * Iron or Steel, for full lng.	1 1/2 x 1/2			1 1/2 x 1/2	
" Wood Deck. Material & thickness	No wood deck laid			No wood deck laid	
Poop Deck Stringer Plate, breadth & thickness	48			48	
" Angles on ditto	3 1/2 x 3 1/2			3 1/2 x 3 1/2	
" Tie Plates	5/16			5/16	
" Deck. Material and thickness	Iron			Iron	
Bridge Deck Stringer Plate, breadth & thickness	42			42	
" Angle on ditto	3 1/2 x 3 1/2			3 1/2 x 3 1/2	
" Tie Plates	5/16			5/16	
" Deck. Material and thickness	Iron			Iron	
Forecastle Deck Stringer Plate, breadth & thickness	32			32	
" Angle on ditto	3 1/2 x 3 1/2			3 1/2 x 3 1/2	
" Tie Plates	5/16			5/16	
" Deck. Material and thickness	Iron			Iron	

* If Iron or Steel Deck, state if whole or part, and if wood deck is laid thereon.

BULKHEADS.

	Number.	Thickness.	STIFFENERS.	Single or Double Frames.	Height up.
In Vessel.			Horizontal.		
Per Rule.			Vertical.		
W. T. BULKHEADS	6	6	8 x 3 x 20	30	Dll Spar D
PARTITION	6	6	8 x 3 x 20	30	Dll Spar D
LONGITUDINAL	6	6	8 x 3 x 20	30	Dll Spar D

Are the outside Plates doubled two spaces of Frames in length? Not quite.

