

# Spar, Awning or Part Awning Dk.

# IRON OR STEEL STEAMER.

(Received at London Office)

State of Report is also sent on the Machinery of the Vessel No.

Date of completion of Report 15<sup>th</sup> September 1891 Port of Belfast

No. 3975 Survey held at Belfast

Date, First Survey Dec 15<sup>th</sup> 1890 Last Survey August 1<sup>st</sup> 1891

On the Steel screw Steamer "Ardanmhor"

Rig Schooner

TONNAGE under 1949.34

SPAR, AWNING OR PART AWNING-DECKED VESSEL,

Master W. Anderson - 91

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

or a Vessel having a continuous Shade Deck.

Year of Appointment (1) As Master in service of owner of present vessel: -18 (2) As Master of this vessel: -18

Total under Upper Dk. 1949.34

CLASS 100 A1 steel spar deck.

Do. of Poop

Do. of Raised Qr. Dk. or Break

Do. of Bridge House

Do. of Houses on Deck 52.62

Do. of excess of Hatchways 20.88

Do. of Forecastle 25.74

Do. above Crown of Engine Room 33.3

Gross Tonnage 2081.55

Less Crew Space 47.55

Less above Crown of Engine Room 33.30

TONNAGE FOR FEES... 2000.70

Less Engine Room 666.10

Less Navigation Spaces 29.43

Register Tonnage as cut on Beam... 1338.44

Half Breadth (moulded) 19.00

Depth from upper part of keel to top of Main Deck Beams 19.95

Girth of Half Midship Frame (as per Rule) 3470

1st Number 73.65

Length 274.50

2nd Number 202.61

Proportions—Breadths to Length 7.2

Depths to Length—Main Deck to top of Keel 13.7

Destined Voyage Cuba

If Surveyed while Building, Afloat, or in Dry Dock Building

LENGTH on Deck	Feet.	Inches.	BREADTH	Feet.	Inches.	DEPTH, top of Floors to Spar or Awn. Dk. Beams	Feet.	Inches.	Power of Engines	Horse.	No. of Decks with flat laid	No. of Tiers of Beams
per Rule...	274	6	Moulded	38	0	Do. do. Main Deck Beams	23	6 1/2	16	0 1/2	Two	Two

Cons of Ship per Register, Length 276.3 breadth 38.3 depth 23.65 Spar or Awn. Dk. Moulded depth, ft. 18 ins. 10 To Main Dk. Beam, Main Dk. 9 ins. Round up of 16ths or 20ths per Rule or as Approved.

ORGINGS AND CASTINGS.	Inches in Ship.	Inches per Rule.
Bar or Side Plates, depth and thickness	9 1/2 x 2 1/2	9 1/2 x 2 1/2
moulding and thickness	9 x 2 1/2	9 x 2 1/2
POST for Rudder do. do.	9 x 5 1/2	9 x 5 1/2
" for Propeller	9 x 5 1/2	9 x 5 1/2
PIECE of Rudder, diameter at head	7 1/4	7 1/4
do at heel	3 1/2	3 1/2
UPPER, how constructed	Forged iron frame, two steel plates	
on the Rudder be unshipped afloat?	Yes	

FRAMING.	Inches in Ship.	Inches per Rule.
FRAME Angles, or 7 Bars for 1/2 length amidships	5 3 8	5 3 8
Do. for 1/2 at each end	3 3 8 1/2	3 3 8 1/2
Do. in way of Double Bottoms	24	24
Distance of Frames from moulding edge to moulding edge, all fore and aft	5 3 8 1/2	5 3 8 1/2
REVERSED FRAME Angles	5 3 8 1/2	5 3 8 1/2
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships	7	7
" in way of Engines and Boilers	7	7
" thickness at the ends of vessel	7	7
" depth at 1/2 the half-bdth. as per Rule	4.2	4.2
" height extended at the Bilges	24	24
FLOORS & BRACKETS, in Cell Dble Bottoms	4.2	4.2
Distance apart	9 1/2	9 1/2
CENTRE GIRDER, in Double bottom, depth and thickness	4.2	4.2
" Angles, Top 4 x 4 x 9/16 Bottom	3 3 7	3 3 7
SIDE GIRDERS, number and thickness	3 3 7	3 3 7
" Angles	2.5	2.5
MARGIN PLATE, depth (exclusive of flange) and thickness	3 1/2 3 1/2 8	3 1/2 3 1/2 8
" Angles	51	51
INNER BOTTOM PLATING, breadth and thickness of Middle Line Strake	8	8
" thickness in Engine and Boiler space	7	7
" Remainder in Holds	7 1/2	7 1/2
BEAMS, Spar or Awning Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	3 3 6	3 3 6
" Angles on upper edge	48	48
" Average space	6 1/2 3 9	6 1/2 3 9
BEAMS, Main Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	24	24
" Angles on upper edge	48	48
" Average space	6 1/2 3 9	6 1/2 3 9
BEAMS, Lower Deck, Single Angle, Bulb Angle, Plate or Tee Bulb	48	48
" Angles on upper edge	48	48
" Average space	6 1/2 3 9	6 1/2 3 9
BEAMS, Hold, or Orlop, Plate or Tee Bulb	48	48
" Angles on upper edge	48	48
" Average space	6 1/2 3 9	6 1/2 3 9
BEAMS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	48	48
" Angles on upper edge	48	48
" Average space	6 1/2 3 9	6 1/2 3 9
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	48	48
" Angles on upper edge	48	48
" Average space	6 1/2 3 9	6 1/2 3 9
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	48	48
" Angles on upper edge	48	48
" Average space	6 1/2 3 9	6 1/2 3 9
BEAMS, In 'tween Decks, Size and Spacing	2 1/2 spaced 48	2 1/2 spaced 48
" Hold	3 3/4	3 3/4
WEB FRAMES, In Fore Body, No. and spacing	3 spaced 14	3 spaced 14
" No. of Side Stringers	18 1/2	18 1/2
WEB FRAMES, In 'tween Decks, No. and spacing	5 3 8	5 3 8
" No. of Side Stringers	5	5
" Size of Angles or Tee Bars to Web Frames	5	5
BRACKET PLATES to Stringers between Web Frames, depth and thickness	5	5

KEELSONS AND STRINGERS.	Inches in Ship.	Inches per Rule.
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate		
" Rider Plate		
" Bulb Plate to Intercoastal Keelson		
" Horizontal Plates on Floors		
" Angles		
SIDE KEELSON, Angles		
" Bulb or Plate above floors, for length		
" Intercoastal Plate, for length		
" Attached to outside Plating with Angle		
BILGE KEELSON, Angles		
" Bulb or Plate above floors, for length		
" Intercoastal Plate, for length		
" Attached to outside Plating with Angle		
BILGE STRINGER Angles	5 1/2 4 9 1/2	5 1/2 4 9 1/2
" Bulb Plate, for length		
" Intercoastal Plate, for length		
" Attached to outside Plating with Angle		
SIDE STRINGER Angles	3 3 8	3 3 8
" Bulb or Intercoastal Plate, for whole len.	30	30
Face plate 9 x 9/16 brackets 1/2 on alternate frames		
Spar, or Awning Deck Stringer Plates, on ends of Beams, breadth and thickness	50.6 32 9 1/2	50.6 32 9 1/2
" Angle on ditto	4 x 4 9 1/2	4 x 4 9 1/2
" Tie Plates, fore and aft, outside Hatchways	14 9 1/2	14 9 1/2
" Diagonal Tie Plates on Bms., No. of prs.		
" Flat of Deck, * Iron or Steel, Amundsen	3 6	3 6
" " Wood Material and thickness		
" How fastened to Beams Galvanized bolts & nuts		
Main Deck Stringer Plate, breadth & thickness	39 1/2 32 10 1/2	39 1/2 32 10 1/2
" Angles on ditto, No. two	4 x 4 9 1/2	4 x 4 9 1/2
" Tie Plates, outside Hatchways		
" Diagonal Tie Plates on Bms., No. of prs.		
" Flat of Deck, * Iron or Steel, for whole len.	6	6
" " Wood Material and thickness		
" How fastened to Beams Twelve		
Lower Deck Stringer Plates, br'dth & thckn's		
" Angles on ditto, No.		
" Tie Plates, outside Hatchways		
" Flat of Deck, * Material and thickness		
" How fastened to Beams		
Hold, or Orlop Stringer Plate, br'dth & thckn's		
" Angles on ditto, No.		
" Tie Plates, outside Hatchways		
" Flat of Deck, Material and thickness		
" How fastened to Beams		
Poop Deck Stringer Plate, breadth & thickness		
" Angles on ditto		
" Tie Plates		
" Flat of Deck, Material and thickness		
Bridge Deck Stringer Plate, br'dth & thickness	30 10 30 10	30 10 30 10
" Angle on ditto	3 x 3 7/16	3 x 3 7/16
" Tie Plates	12 1/2 10	12 1/2 10
" Flat of Deck, Material and thickness		
Forecastle Deck Stringer Plate, br'dth & th'kns	31 1/2 8 31 1/2 8	31 1/2 8 31 1/2 8
" Angle on ditto	3 x 3 7/16	3 x 3 7/16
" Tie Plates	48	48
" Flat of Deck, Material and thickness	2 1/4 wood	2 1/4 wood
PLATING.		
FLAT PLATE KEEL, breadth and thickness		
" Dblng or incrsd thckn's & len. appl.		
PLATES in Garboard Strakes, breadth & thckn's	36 12 1/2 11 36 12 1/2 11	36 12 1/2 11 36 12 1/2 11
" from Garboard to lower part of Bilges	10 1/2 9 10 1/2 8	10 1/2 9 10 1/2 8
" State Thickness of Plating in way of Double Bottom		
" Bilges, No. of Strakes and thickness	Two 12 1/2 10 1/2 9	Two 12 1/2 10 1/2 9
" Of doubling at Bilge, or increased thickness, and length applied 2 Strakes + 1/2 x 2 1/2		
" from up. part of Bilge to Ir. edge of Sh'rstrake	11 1/2 9 10 1/2 8	11 1/2 9 10 1/2 8
Main Sheerstrake, breadth and thickness	42 13 1/2 10 42 13 1/2 10	42 13 1/2 10 42 13 1/2 10
" Of doubling at Sh'rstk. & lng. applied		
" from Main to Spar Dk. or Awn. Dk. Sh'rstk	8 1/2 7 8 1/2 7	8 1/2 7 8 1/2 7
" Spar or Awn. Dk. Sh'rstk, br'dth & thckn's	40 11 1/2 6 40 11 1/2 6	40 11 1/2 6 40 11 1/2 6
" Poop sides	+ 2 for 1/2	+ 2 for 1/2
" Bridge sides		
" Forecastle sides		
Lengths of Plating	9 frame spaces	

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