

# Spar, Awning or Part Awning Dk.

# IRON OR STEEL STEAMER.

No. 345 Survey held at *Stockton-on-Tees*

Date of completion of Report *25 February 1891*

345 (Received at London Office) *2 MARCH*

On the *Screw Steamer*

Date, First Survey, *15 September 1890* Last Survey *23 February 1891*

Tonnage under Tonnage Deck *1411.30*

*Shedmore* (Yard No. 382) Rig *Schooner*

and 2nd, 1st, Spar or Awning Dk. *330.41*

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

Master *R. W. Padgett*

of Upper Deck *31.33*

CLASS *100A 1st cl. avg dk*

Year of Appointment *1891*

of Raised (k. or Break) *134.61*

Half Breadth (moulded) *18.16*

Built at *Stockton-on-Tees*

of Houses on Deck *46.23*

Depth from upper part of keel to top of Main Deck Beams *19.84*

When built *1891* Launched *24-1-91*

of excess of Hatchways *12.98*

Girth of Half Midship Frame (as per Rule) *34.30*

By whom built *Richardson Duck & Co*

of Forecastle *54.54*

1st Number *72.33*

Owners *G. R. Sanderson & Co*

of Engine Room *1915.12*

2nd Number *268.5*

Managers *do*

of above Crown of *630.29*

Proportions—Breadths to Length *194.20*

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

of Navigation Spaces *1284.83*

Depths to Length—Main Deck to top of Keel *13.4*

Residence *Hull*

Register Tonnage *1284.83*

Destined Voyage *Cardiff & back*

Port belonging to *Hull*

Length on Deck *268*

DEPTH, top of Floors to Spar or Awn. Dk. Beams *23.58*

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

as per Rule *268*

Do. Do. Main Deck Beams *16.5*

No. of Decks with flat laid *19 ft*

BREADTH *36*

Do. Do. Moulded depth, ft. *19 ins. 2 1/2*

No. of Tiers of Beams *17 ft 4 in*

Dimensions of Ship per Register, Length *270* breadth *36* depth *23.58*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Round up of Beam, Main Dk. *5 ins.*

## FORGINGS AND CASTINGS.

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

HEEL, Bar or Side Plates, depth and thickness *9 x 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

ERN-POST for Rudder do. do. *9 x 5*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

IN PIECE of Rudder, diameter at head *9 x 5*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

DDER, how constructed *Forged iron frame. Plated in usual manner*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

## FRAMING.

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

AME Angles, on 7 Bars for 3 length amidships *4 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. in way of Double Bottoms *4 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

stance of Frames from moulding edge to *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

VERSED FRAME Angles *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

ORS, depth and thickness of Floor Plate *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

in way of Engines and Boilers *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

thickness at the ends of vessel *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

depth at 3 the half-bdth. as per Rule *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

height extended at the Bilges *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

DOORS & BRACKETS, in Cell Dble Bottoms *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

NTRE GIRDER, in Double bottom, depth *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

and thickness *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angles, Top *4 x 4 x 3/8*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

E GIRDERS, number and thickness *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angles *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

RGIN PLATE, depth (exclusive of flange) *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

and thickness *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

ER BOTTOM PLATING, breadth and *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

thickness of Middle Line Strake *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

thickness in Engine and Boiler space *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

MS, Spar or Awning Deck, Single Angle, *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Bulb Angle, Plate or Tee Bulb *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angles on upper edge *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Average space *24*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

MS, Main Deck, Single Angle, Bulb *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angle, Plate or Tee Bulb *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angles on upper edge *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Average space *24*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

MS, Lower Deck, Single Angle, Bulb *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angle, Plate or Tee Bulb *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angles on upper edge *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Average space *24*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

MS, Hold, or Orlop, Plate or Tee Bulb *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angles on upper edge *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Average space *24*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

MS, Poop Deck, Angle, Bulb Angle, Plate *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

or Tee Bulb *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angles on upper edge *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Average space *24*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

MS, Bridge Deck, Angle, Bulb Angle, *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Plate, or Tee Bulb *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angles on upper edge *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Average space *24*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

MS, Forecastle Deck, Angle, Bulb Angle, *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Plate, or Tee Bulb *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Angles on upper edge *3*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Do. Do. Main Deck. Moulded depth, ft. *19 ins. 2 1/2*

Average space *24*



Form with sections for BULKHEADS, No. in Vessel, No. Reqd. by Rule, and various measurements like Thickness, Angles, Spacing, Height up, and Sngl. or Dbl. Frames.

Are the outside Plates doubled two spaces of Frames in length? *Yes.*

The FRAMES extend in one length from *Hangar plate to Hangar plate* hence to Gunwale. Riveted through Plates with  $\frac{1}{2}$  in. Rivets, about  $6\frac{1}{2}$  apart.

The REVERSED ANGLE on floors and frames extend from *Main to above upper stringer and to Raised Quarter Deck alternately. All to main deck in way of flat way dth. and at ends of vessel as per Rule.*

RIVETING OF EDGES AND BUTTS OF SHELL PLATING AND BUTTS OF STRINGER PLATES, TIE PLATES, KEELSONS, &c.

Garboard, double riveted to *Bar Keel* or Flat Plate Keel, with rivets  $\frac{1}{2}$  in. diameter, averaging  $4\frac{1}{2}$  ins. from centre to centre.

Edges of Garboards and to upper part of Bilge, worked clencher, and double riveted; with rivets  $\frac{1}{2}$  in. diameter, averaging  $3\frac{1}{2}$  ins. from centre to centre.

Butts from Keel to turn of Bilge, worked carvel, treble *and* double riveted; treble for  $\frac{1}{2}$  length; with rivets  $\frac{1}{2}$  in. dia., averaging  $3\frac{1}{2}$  ins. from cr. to cr.

Butts of *three* Strakes at Bilge, for  $\frac{1}{2}$  length, treble riveted for *whole* length; with rivets  $\frac{1}{2}$  in. dia., averaging  $3\frac{1}{2}$  ins. from cr. to cr.

Edges from Bilge to Main Sheerstrake, worked clencher, double *or* single riveted; with rivets  $\frac{1}{2}$  in. diameter, averaging  $3\frac{1}{2}$  ins. from centre to centre.

Butts from Bilge to Main Sheerstrake, worked carvel, treble *and* double riveted; treble for  $\frac{1}{2}$  length; with rivets  $\frac{1}{2}$  in. dia., averaging  $3\frac{1}{2}$  ins. from cr. to cr.

Edges of Main Sheerstrake, double *or* single riveted. *Spur or* Awning Sheerstrake, double *or* single riveted.

Butts of Main Sheerstrake, treble riveted for  $\frac{1}{2}$  length amidships. Butts of *Spur or* Awning Sheerstrake, treble riveted  $\frac{1}{2}$  length amidships.

Butts of Main Stringer Plate, treble riveted for  $\frac{1}{2}$  length amidships. Butts of *Spur or* Awning Stringer Plate, treble riveted for  $\frac{1}{2}$  length.

Butts of Inner Bottom Plating *Double* riveted for  $\frac{1}{2}$  length amidships. Butts of Centre Girder *treble* riveted.

Breadth of edge laps of Shell Plating in double riveting  $6\frac{1}{2}$  to  $4\frac{1}{2}$ . Breadth of edge laps of Shell Plating in single riveting  $9$ .

Butt Straps of Shell Plating, breadth and thickness  $19\frac{1}{2}$  to  $11\frac{1}{2}$  x  $9\frac{1}{2}$  to  $3\frac{1}{2}$ . Butts, If Lapped, breadth of laps  $9$ .

Butt Straps of Keelsons, Stringer and Tie Plates, treble or double, riveted *treble & double*.

Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Beams, Keelsons, Tie, and Stringer Plates, Outside Plating, &c.? *Iron plates. Moor, West Stockton & Malleable Iron Co. Iron angles. South Stockton & Co. Malleable Iron Co.*

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? *Yes.*

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? *Yes, at the butts only.*

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

MASTS, SPARS, &c.

	Material.	Total length.	DIAMETER AND THICKNESS.				No. of Plates in round.	ANGLES.		RIVETING.	
			At Partners.	Heel.	Hounds.	Head.		Number.	Size.	Seams.	Butts.
Fore	Iron	94' 10"	19 x 1/2"	15 x 3/4"	15 1/2 x 1/2"	12 1/2 x 1/2"	Two			Single	Double
Main	Iron	94' 10"	19 x 1/2"	15 x 3/4"	15 1/2 x 1/2"	12 1/2 x 1/2"	Two			Single	Double
Mizen											

Bowsprit

Topmasts, Yards and Remainder of Spars *Plank Pine*

Rigging, Material and Size, Shrouds *6" Wire & Manilla* Shrouds  $3\frac{1}{2}$ " Stays  $4\frac{1}{2}$ " Backstays  $2\frac{1}{2}$ "

Sails. *One complete* Suit of *Sails and the following spare sails*

EQUIPMENT No. *2184* LETTER *R* ANCHORS.

Number of Certificate.	Fathoms.	Size.	WEIGHT, EX STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQ. P.R. RULE			Description of Anchor.	Makers.	Where and when tested and Superintendent.
			Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	Cwts.	qrs.	lbs.	Cwts.	qrs.			
12354	1st Bower	38	1	21	34	1	0	34	2	0	34	2	0	Yzack Patent	Yzack	3-11-90	
12359	2nd "	35	0	14	32	9	14	34	2	0	34	2	0	"	"	6-11-90	
12360	3rd "	34	2	4	32	1	3	34	3	0	34	3	0	"	"	6-11-90	
	4th "																
	Collective weight	108	0	14				106	3	0							
21147	Stream	9	2	14	2	0	11	13	1	21	9	2	0	Common	P Taylor Sons	29-11-90	
21148	Kedge	4	3	14	1	0	4	5	0	0	4	3	0	"	"	29-11-90	
21149	2nd Kedge	2	2	7	0	3	0	5	2	0	2	2	0	"	"	29-11-90	

CHAIN CABLES.

Number of Certificate.	Fathoms.	Size.	Test per Certificate			Weight of Chain Cable			Fathoms & Size. Per Rule.	Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Fathoms.	Size.	Fathoms & Size. Per Rule.	
			Tons.	Cwts.	qrs.	Tons.	Cwts.	qrs.									
11588	135 1/2	1 1/2	44 1/2	55 1/2	193	0	16	240	1 1/2	Stud Link	P Taylor Sons	2-12-90 Tested at R.M.C. P. H. & S. H. & S.	Fourteen	90	3-18	91-3-	
11589	135 1/2	1 1/2	44 1/2	55 1/2	193	0	16	240	1 1/2	"	"	2-12-90 Tested by E.R. Sait	Hawser	Manilla	90	44	90-74

Iron Stream Chain *44 Steel wire*

Towline *44 Steel wire*

HAWSERS AND WARPS.

Boats *Two lifeboats (24 ft) One cutter (18 ft) and one dingy (16 ft)*

Pumps, Number *Five hand pumps* Diameter of Barrel and Tail Pipe *Barrel 6" Tail pipe 5"*

The Windlass is *Emerson Walker & Co (Steam)* Capstan *Four Steam winches*

Engine Room Skylights.—How constructed? *Of iron on iron coaming*

What arrangements for deadlights in bad weather? *Lead shutters with bulls eyes*

Coal Bunker Openings.—How constructed? *Through iron* How are lids secured? *Hatch bars* Height above deck? *12 x 34"*

Number of Scuppers, and number and dimensions of Freeing Ports, &c. *Four freeing ports on each side on Raised Quarter Deck 16 x 18" besides a sufficient number of scuppers. Rails & stanchions on Port Awning deck*

Cargo Hatchways.—How formed? *Iron plates and angles in usual manner* Hatches.—If strong and efficient? *Yes solid*

State size No. 1 Hatch (Forward) *18-0 x 12-0* No. 2 Hatch *24-0 x 12-0* No. 3 Hatch *20-0 x 12-0* No. 4 Hatch *20-0 x 12-0*

Number of Web Plates, Shifting Beams, and Fore and Afters to each Hatch *One web plate in No. 1 & 2 and two web plates in No. 3 & 4*

Shore iron for any afters in each *raised quarter*

Bulwarks, height above deck and description *39" Iron plates and stanchions* Main Rail, material and size *Rail angle 5 1/2 x 3 1/2"*

The above is a correct description.

Builder's Signature (here only) *Richardson Duck & Co* Surveyor's Signature *Jess Williams & Robert Haig*

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

Order for Spec... Date 11/...

Order for Ordin... Date 382...

State dates

General B... with... Letters... require...

the por... have... for a... have...

PARTIC... (in feet... and... No. and M... should a... Official... PARTIC... Double... Double... Double... Fore per... Midship... Th... (If neces... How are... FREEBO... I... State if m... The amount... We are... of opi... Commi... Charac... +Lh... La... asp... 1A



