

Spar, or Awning Dk.

IRON OR STEEL STEAMER.

No. 11467

State if Report is also sent on the Machinery of the Vessel. *YLV*
Port of **WEST HARTLEPOOL**, Date of completion of Report *23rd March, 1901* Received at London Office **MON, MAR 25 1901**
Survey held at **WEST HARTLEPOOL**, Date, First Survey *8th June, 1900* Last Survey *19th March, 1901*
on the **Screw Steamer "ALLEGHANY"** Rig **Schooner**

TONNAGE under
Tonnage Deck... *4097.25*
between Tonnage Dk.
and 3rd, 4th, Spar or
Awning Dk.
Total under Upper Dk.
of Poop...
of Bridge House...
of Forecasts...
of Houses on Deck...
of excess of Hatchways
above Crown of
Room...
Tonnage... *4262.29*
Space... *72.31*
Crown of
Room...
FOR FEES... *4189.98*
ine Room... *1363.93*
igation Spaces... *37.02*

SPAR, AWNING OR AWNING-DECKED VESSEL,

or a vessel having a continuous Shad. Deck.

CLASS **100A1**

FEET.

Half Breadth (moulded) ... *25.02*
Depth from upper part of keel to top of Main Deck Beams ... *24.96*
Girth of Half Midship Frame (as per Rule) ... *45.31*
1st Number... *95.29*
Length... *351.5*
2nd Number... *335.00*
Proportions—Breadths to Length... *7.02*
Depths to Length—Main Deck to top of Keel ... *14.08*

Master **Evans Evans**

Year of Appointment

Built at **West Hartlepool**

When built *1900-01* Launched *23rd Oct 1900*

By whom built **Furness Withy & Co. Ltd.**

Owners **British Maritime Trust Ltd.**

Managers

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

Residence **London**

Port belonging to **West Hartlepool**

Destined Voyage

Surveyed while Building, Afloat, or in Dry Dock

on Deck	Feet.	Inches.	BREADTH—	Feet.	Inches.	DEPTH, top of Floors to Spar	Feet.	Inches.	Power of	Hotse.	No. of Decks with flat laid
Rule...	35	6	Moulded	50	0 1/2	Do. do. Main Deck Beams	28	3 1/2	Engines		No. of Tiers of Beams
							20	3 3/4			

ons of Ship per Register, Length *354.0* breadth *50.3* depth *28.2* Spar on Awning Dk. Moulded depth, ft. *22* ins. *11 1/2* To Main Dk. Round up of *12 1/2* ins. Beam, Main Dk.)

FRAMING.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule.	Inches per Rule.	20ths per Rule.
E. Angles, <i>2 1/2</i> in. Bars, for $\frac{1}{2}$ length amidships	6 1/2	3 1/2	12	6 1/2	3 1/2	12
for $\frac{1}{2}$ at each end						
in way of Double Bottoms at Solid Floors						
ce of Frames from moulding edge to						
lding edge, all fore and aft	24		24			
ERSED FRAME, Angles						
FRAMING, depth of girder						
RS, depth and thickness of Floor Plate						
at mid-line for $\frac{1}{2}$ length amidships						
in way of Engines and Boilers						
thickness at the ends of vessel						
depth at $\frac{1}{2}$ the half-bdth. as per Rule						
height extended at the Bilges						
RS & GIRDERS, in Cell Dble Bottoms	44		9	44		9
Distance apart	24		24			
RE GIRDER, in Double bottom, depth	44		10	44		10
and thickness						
" Angles, Top	4	4	9	4	4	9
" Bottom	6	4	10	6	4	10
GIRDERS, number and thickness	Two		9	Two		9
Angles	Flanged		1	bottom		
AIN PLATE, depth (exclusive of flange)	35		10	35		10
and thickness						
Angles	4	4	9	4	4	9
R BOTTOM PLATING, breadth and	36		10	36		10
thickness of Middle Line Strake						
" thickness in Engine and Boiler space	E 8 1/2 B 8		16	E 8 1/2 B 8		16
Remainder in Holds	8-7		8-7			
IS, Spar on Awning Deck, Single Angle,	8	3	11	8	3	11
Bulb Angle, Plate on Tee Bulb						
Angles on upper edge						
Average space	24		24			
IS, Main Deck, Single Angle, Bulb	12	6	10	12	6	10
Angle, Plate on Tee Bulb						
Angles on upper edge						
Average space	48		48			
IS, Lower Deck, Single Angle, Bulb						
Angle, Plate on Tee Bulb						
Angles on upper edge						
Average space						
IS, Hold or Orlop, Plate on Tee Bulb						
Angles on upper edge						
Average space						
IS, Poop Deck, Angle, Bulb Angle, Plate	6 1/2	3	8	6 1/2	3	8
on Tee Bulb						
Angles on upper edge						
Average space	24		24			
IS, Bridge Deck, Angle, Bulb Angle, Plate	6 1/2	3	8	6 1/2	3	8
on Tee Bulb						
Angles on upper edge						
Average space	24		24			
IS, Forecastle Deck, Angle, Bulb Angle,	6 1/2	3	8	6 1/2	3	8
Plate on Tee Bulb						
Angles on upper edge						
Average space	24		24			
MARKS, In tween Deck, size and spacing						
" Hold						
" Quarter, tween Dks.,						
" in Hold						
WEB FRAMES, In Fore Body, No. and spacing						
brdth. & thickness						
" No. of Side Stringers						
WEB FRAMES, In E. & B. Space, No. & spacing						
brdth. & thickness						
" No. of Side Stringers						
WEB FRAMES, In After Body, No. and spacing						
brdth. & thickness						
" No. of Side Stringers						
" Size of Angles on Tee Base to Web Frames						
BRACKET PLATES to Stringers between						
Web Frames, depth and thickness						

FORGINGS AND CASTINGS.	Inches in Ship.	Inches per Rule.
KEEL, Bar or Side Plates, depth and thickness	11 x 2 7/8	11 x 2 7/8
STEM, moulding and thickness	11 x 6 3/4	11 x 6 3/4
STERN-POST for Rudder do. do.	11 x 6 3/4	11 x 6 3/4
" for Propeller	9 1/2	4 1/4
MAIN PIECE of Rudder, diameter at head	4 1/4	4 1/4
do. at heel		

RUDDER, how constructed *Single plate side scarf, rudder, built frame*
Can the Rudder be unshipped afloat? *Yes.*

KEELSONS AND STRINGERS.	Inches in Ship.	Inches in Ship.	20ths in Ship.	Inches per Rule.	Inches per Rule.	20ths 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						
Intercoastal Plate, for						
Attached to outside plating with Angle						
BILGE KEELSON, Angles						
" Bulb or Plate above floors, for						
Intercoastal Plate, for						
Attached to outside plating with Angle						
BILGE STRINGER Angles						
" Bulb Plate, for						
Intercoastal Plate, for						
Attached to outside plating with Angle						
SIDE STRINGER Angles						
" Bulb or Intercoastal Plate, for						
Attached to outside plating with Angle						

Spar, or Awning Deck Stringer Plates,	56	10	56	10
breadth and thickness				
" Angle on ditto	4.4	9	4.4	9
" Tie Plates, fore and aft, outside Hatchways				
" Diagonal Tie Plates, No. of pps.				
" Deck * Iron Steel, for whole lng.	7-6		7-6	
" Wood Deck Material and thickness				
Main Deck Stringer Plate, breadth & thickness	56	10	56	10
" Angles on ditto, No.	4.4	9	4.4	9
" Tie Plates, outside Hatchways	19	8	19	8
" Diagonal Tie Plates, No. of pps.				
" Deck * Iron Steel, for half lng.	8-7		8-7	
" Wood Deck Material and thickness				
Lower Deck Stringer Plates, breadth & thickness				
" Angles on ditto, No.				
" Tie Plates, outside Hatchways				
" Deck * Material and thickness				
Hold, or Orlop Stringer Plate, breadth & thickness				
" Angles on ditto, No.				
" Tie Plates, outside Hatchways				
" Deck * Material and thickness				
Poop Deck Stringer Plate, breadth & thickness	44	6	44	6
" Angles on ditto	3 1/2	3 1/2	7	3 1/2
" Tie Plates				
" Deck. Material and thickness	Iron	5/16	Iron	5/16
Bridge Deck Stringer Plate, br'dth & thickness	60	7	60	7
" Angle on ditto	3 1/2	3 1/2	8	3 1/2
" Tie Plates				
" Deck. Material and thickness	Iron	5/16	Iron	5/16
Forecastle Deck Stringer Plate, br'dth & th'kns				
" Angle on ditto	3 1/2	3 1/2	7	3 1/2
" Tie Plates				
" Deck. Material and thickness	Iron	5/16	Iron	5/16

* 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.	Per Rule.		Horizontal.	Vertical.	Spacing		
W. T. BULKHEADS	6	6	7/16	5/32	11	B.A.	48	Iron
PARTITION			5/16	5/32	10	4-10	10	
LONGITUDINAL				4-10	in tw dks			

Are the outside Plates doubled two spaces of Frames in length? *braced & shored*

PLATING.										RIVETING.																																																																																																																													
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.		BUTTS.																																																																																																																														
	AMIDSHIP.		FORWARD.		AFT.		Single or Double.	Breadth of Lap.	RIVETS.		STRAPS.		IF LAPPED.																																																																																																																										
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing or to or.	Diam.	Spacing or to or.	Breadth.	Thickness.	Breadth.	For what Length.																																																																																																																							
FLAT PLATE KEEL	48	20	13	13	48	20	Double	6	1	4	Treble	1	4	19	13 1/4	-	-																																																																																																																						
GARBOARD OF A STRAKE	51	13	12	12	51	13	"	5 1/2	7/8	3 3/4	"	7/8	3 3/8	-	-	9	Side																																																																																																																						
State actual thickness in way of Double Bottom.	B	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
C	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
D	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
E	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
F	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
G	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
H	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
J	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
K	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
L	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
M	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
Main Sheer	N	44	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
Side Sheer	O	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
P	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																						
DOUBLING OF FLAT PLATE KEEL	Compensated for as approved.																																																																																																																																						
Length and thickness of Bilge of Sheerstrakes of Strake below	Sheerstrakes and bilge side plating increased in thickness at end of bilge in line of doubling.																																																																																																																																						
POOP SIDES	81 1/2	7	81 1/2	7	Edges double riveted for whole length.																																																																																																																																		
BRIDGE SIDES	7																																																																																																																																						
FORECASTLE SIDES	7																																																																																																																																						
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.?																																																																																																																																							
Steel: - Connell, Palmer, South Durham, Orman, Long, & Co. Ltd., & Bolton, Langham, & Co.																																																																																																																																							
Iron: - J. Hill & Co., South Durham Steel and Iron Co.																																																																																																																																							
FRAMES extend in one length from main plate to gunwale; floors planked in double bottom.																																																																																																																																							
REVERSED FRAMES on floors and frames extend from centre line to main plate in double bottom in machinery space.																																																																																																																																							
Floors planked in holds. Bulk angle frames outside double bottom.																																																																																																																																							
MASTS, SPARS, &c.																																																																																																																																							
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Misc.	"	"	"	"	"	"	"	"	"	"	"	"																																																																																																																											
Bowsprit. Topmasts, Yards and Riggers of Spars of Pitch Pine. Rigging, Material and Size, Shrouds. Galvanized Iron wire 3/4". Stays 4. 1/2". 5. 4. 1/2". Sails. One. Suit of Fine cloth. Sails, and the following spare sails.																																																																																																																																							
EQUIPMENT No. 40695 LETTER R. ANCHORS.																																																																																																																																							
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Boats. Two life boats and two others.																																																																																																																																							
Pumps. Number One flywheel manual pump connected to main line of steam suction pipes.																																																																																																																																							
Windlass is of J. Palmer & Co. Patent. Capstan four steam winches forward.																																																																																																																																							
Engine Room Skylights. - How constructed? Deck or iron casing 7/16" above bridge deck.																																																																																																																																							
What arrangements for deadlights in bad weather? Thick glass built in hinged oak covers.																																																																																																																																							
Coal Bunker Openings. - How constructed? Plate casings. How are lids secured? J. Palmer & Co. Patent. Height above deck? 12".																																																																																																																																							
Number of Scuppers, and number and dimensions of Freeing Ports, &c. Eight scuppers and eleven freeing ports 33" x 15" each.																																																																																																																																							
Ceiling in Holds, thickness and material. 2 1/2" A.P. Ceiling 'tween Decks, thickness and material. 6" x 2" A.P. battens.																																																																																																																																							
Cargo Hatchways. - How formed? Plate casings. Hatches, if strong and efficient? Yes 3".																																																																																																																																							
State size No. 1 Hatch (Forward) 24' x 16' x 50". No. 2 Hatch 24' x 16' x 30". No. 3 Hatch 24' x 16' x 30". No. 4 Hatch 24' x 16' x 50".																																																																																																																																							
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. Two deep web plates and three iron fore and afters in each.																																																																																																																																							
No. of Breasthooks 5' 1/2" deep. No. of Crutches 2' deep. No. of Main Rail, material and size. 6" x 3" Bull angle.																																																																																																																																							
Bulwarks, height above deck and description. 42" 1/2" iron plates.																																																																																																																																							
The above is a correct description.																																																																																																																																							
Builder's Signature (here only) J. Hill & Co. Surveyor's Signature E. B. Champness. Surveyor to Lloyd's Register of British & Foreign Shipping.																																																																																																																																							

Correspondence. - State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case).
 1899: - Dec 13 (M). 30 (M). 1900: - Jan 1 (M). 12 (M). May 12 (E). 1901: - March 13 (M).

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.

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

General Remarks (State quality of workmanship, &c.) The workmanship is good and the vessel has been built in accordance with the approved plans (7 in 1/2) which, together with the forepump reports are attached hereto. The fore peak has been filled with water to the height of the low line and collision bulkhead found good. The tunnel has been tested by water from a hose and found tight. The hand pump and watertight doors tried & found good. The upper and weather decks and gutterways tested with water from a hose and found tight.

Drawings
 Midship Section
 Profile
 Main Deck Plan
 Pumping Plan
 Cash Steel Stern
 Cash Steel Stern Frame
 Side Scaph Rudder.

This is a sister vessel to the S.S. "Portland" built at Hartlepool Report No. 11368.

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

PARTICULARS FOR RECORD in the REGISTER BOOK. - Length of Poop 31 ft., R.O. Door Deck 104 ft., Bridge Dk. 104 ft., F'castle 35' 5 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) Spar Deck (Steel), 1st Steel Deck & Deck Frames.

Official No. 112435; Signal Letters.

How are the surfaces preserved from oxidation? Inside Portland 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.	
		Feet.	Tons.			Feet.	Tons.
Double bottom, aft.	120	302		Fore peak tank.			
Double bottom, forward.	126	353		After peak tank.		45	
Double bottom, under Engines and Boilers.	52	181		Midship compartment.			
Double bottom, if under Engines only.				Other tanks specified.			
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. 1745
 Date 18 Dec 1899
 Order for Ordinary Survey No. 1
 Date 18 Dec 1899
 No. 252 in builder's yard.

1st. On the several parts of the frame, when in place, and before the plating was wrought.
 2nd. On the plating during the process of riveting.
 3rd. When the beams were in and fastened, and before the decks were laid.
 4th. When the ship was complete, and before the plating was finally coated or cemented.
 5th. After the ship was launched and equipped.

Fees applied for, 22.3.1901
 Received by me, 22.3.1901
 The amount of Entry Fee, £5: :
 Special Survey Fee, £12.9: 15:
 Travelling Expenses, if any £: :
 I am of opinion this Vessel should be Classed 100A1 "Spar deck"
 Without Freeboard, as condition of Class.

Committee's Minute
 Character assigned 100A1 (Steel) Spar deck
 asb.p. 1/2 + 2.12.3.01

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

FRI. MAR 29 1901

W. Hartlepool.

E. B. Champness.

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

WS83-0028 2/2