

MON. 29 JAN 1894

Port of *West Hartlepool* Date of completion of Report *24 Jan'y 1894* Received at London Office *23 Jan'y 1894*
Survey held at *West Hartlepool* Date, First Survey *6 Sept. 1893* Last Survey *18 Jan'y 1894*
On the *Screw Steamer "TWILIGHT"* Rig *3m. Fly Schooner*

Master *H. Jones*

Year of Appointment

(1) As Master in service of owner of present vessel:—18 *86*

(2) As Master of this vessel:—18 *92*

Built at West Hartlepool
When built 1893-94 Launched 7 Dec^r 1893
By whom built Swaness, Witley & Co. Ltd
Owners J. Wood & Co.
Managers ✓
(Where necessary to be entered in Reg. Book.)
Residence West Hartlepool
Port belonging to West Hartlepool

Destined Voyage *Report for Civil State* Surveyed while Building, Afloat, on in Dry Dock

Dimensions of Ship per Register, Length 270.0 breadth 38.0 depth. { ~~Spar or Awn. Dk.~~ Moulded depth, ft. 19 ins. 3½ To Main Dk. Round up of } 9½ ins.
17.0 Main Deck. Beam, Main Dk. }

Form No. 1C. HPL372-0017112

PLATING.							RIVETING.											
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		EDGES.				BUTTS.							
	AMIDSHIP.		FORWARD.	AFT.	AMIDSHIP.		Single or Double.	Breadth of Lap.	RIVETS.		Double or Treble and for what Length.	RIVETS.		STRAPS.		IF LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	Breadth.	Thick- ness.	Breadth.	For what Length.	
	Inches.	Inches or 20ths.	Inches or 20ths.	Inches or 20ths.	Inches.	Inches or 20ths.		Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.	Inches.	Fect.	
FLAT PLATE KEEL	36	16	12	12	36	16	Double	6	1	4	Double	1	3½	19	18	-	-	
(26 Double Keel Plate Riveting)																		
GARBOARD OF A Strake ...	48	12	11	12	48	12	"	5¼	7/8	3½	"	7/8	3½	-	-	9	Whole	
State actual	B	11	8	10	-	11	"	"	"	"	"	7/8	3½	-	-	9	Whole	
thickness in	C	11	-	12	-	11	"	"	"	"	"	7/8	3½	-	-	9	Whole	
way of Double	D	10	8	10	-	10	"	"	"	"	3R-½L	7/8	3½	16¾	12	-	-	
Bottom.	E	11	9	11	-	11	"	"	"	"	"	7/8	3½	16¾	13	-	-	
	F	11	9	11	-	11	"	"	"	"	"	7/8	3½	16¾	13	-	-	
	G	10	8	8	-	10	"	"	"	"	Double	7/8	3½	11¼	10	-	-	
	H	11	9	9	-	11	"	"	"	"	3R-½L	7/8	3½	16¾	-	-	-	
	J	10	8	8	-	10	"	"	"	"	Double	7/8	3½	11¼	10	-	-	
Sheerstrake	K	50	13	10	50	13	"	"	"	"	3R-¾L	7/8	3½	16¾	15	-	-	
Sheerstrake	L	68	10	7	68	10	"	"	"	"	3R-¾L	7/8	3½	16¾	12	-	-	
	M	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	N	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	O	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	P	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Q	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
DOUBLING of Flat Plate Keel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Length and thickness of Bilges	18½	10	for ¾ length			10	-	-	-	-	Double	7/8	3½	11¼	10	-	-	
Length and thickness of Sheerstrakes.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Length and thickness of Strake below	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
POOP SIDES	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDES	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
FORECASTLE SIDES	✓	7	✓	✓	✓	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.?

Mild Steel - West Hartlepool, Consols.

Best Iron - J. Hill, W. Hill, J. J. Hill, J. J. Hill.

Butts, treble riveted for *half* length amidship.
 Stringer Plate *Straps, single, double or overlapped for* *Whole* length amidship.
 Main Stringer *Butts, treble riveted for* *half* length amidship.
 Plate *(Straps, single, double or overlapped for* *Whole* length amidship.
 Butts of Bilge & Side Stringers and Tie Plates, treble or double riveted?
 Inner Bottom Plating, riveting of Edges *Double & Single Butts 2 1/2 in. in 16 ft.*
 Centre Girder Butts, *3/4 in. & 2 1/2 in. riveted* *Keelson Butts,* *riveted.*
 Frames, riveted through Plates with *7/8* in. Rivets, about *6* apart.
 Rivets, state whether Iron or Steel *Iron*

FRAMES extend in one length from *Launch side* to *Gunwale*
 REVERSED FRAMES on floors and frames extend from

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.
LOWER MASTS....	Fore	Iron	55.0	22 x 7/16	19 x 7/16	17 1/2 x 7/16	16 1/2 x 7/16	Two	✓	✓	Single	Double
	Main	"	68.0	21 x 7/16	18 x 7/16	16 1/2 x 7/16	15 1/2 x 7/16	—	✓	✓	—	—
	Mizen	Iron	masts made by Swann & Co. of Stockton									
Bowsprit		Wood Remains (Telescopic)										
Topmasts, Yards and Remainder of Spars		Stays 4 1/4" & 2 1/2" gal. iron wire										
Rigging, Material and Size, Shrouds		4 Shrouds — 3 1/2" gal. iron wire										
Sails.		One	Suit of	Sails, and the following spare sails								

EQUIPMENT No. 22825 LETTER 70 ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQ. BY RULE.		Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.			
25454	1st Bower	37	2	14	-	-	-	34	4	1	14	37	2	0	<i>Taylor's Patent</i>	<i>J. Taylor</i>	<i>16.10.93 Sunderland</i>
25529	2nd "	37	0	0	-	-	-	33	15	0	0	37	2	0	<i>Patent</i>	<i>J. Taylor</i>	<i>6.11.93 Portsmouth</i>
25530	3rd "	32	1	0	-	-	-	30	6	1	0	31	3	0	<i>Stobbs</i>	<i>J. Taylor</i>	<i>7.11.93 Superintendent</i>
	Collective weight	106	3	14	-	-	-	-	-	-	-	106	3	0	<i>Droptail Certificate supplied for cast steel heads.</i>	<i>J. Taylor</i>	<i>16.10.93 Sunderland</i>
25478	Stream	9	2	0	2	1	21	11	11	1	0	9	2	0	<i>Common</i>	<i>J. Taylor</i>	<i>16.10.93 Sunderland</i>
25477	Kedge	4	3	0	1	0	21	7	2	2	0	4	3	0	<i>Common</i>	<i>J. Taylor</i>	<i>16.10.93 Sunderland</i>
	2nd Kedge	-	-	-	-	-	-	-	-	-	-	-	-	-	<i>Common</i>	<i>J. Taylor</i>	<i>16.10.93 Sunderland</i>

CHAIN CABLES.

HAWSERS AND WARPS.

Number of Certificate.	Fathoms.	Size.	Test per Certificate.	WEIGHT OF CHAIN CABLE.		Fathoms and Size Per Rule.	Description.	Makers of Cables.	When and where tested, and Superintendent.	Material.	Fathoms.	Size.	Breaking Test of Steel Wire Towline.	Fathoms and Size Per Rule.
				Supplied.	Per Rule.									
10614	240	1 3/4	77 1/2	55 1/2	27.2	30.1	22 1/4	<i>J. Taylor</i>	<i>14.11.93 Sunderland</i>	TOWLINE Steel	90	3 1/2	26	90-3 1/2
10622	75	1 1/2	30.4	20.3	43.1	43.1	75-1 1/2	<i>J. Taylor</i>	<i>7.11.93 Portsmouth</i>	HAWSER "	90	3	18	90-3
										WARP Manila	90	7 1/2	-	90-7 1/2
										<i>and others.</i>				

Boats *2 life boats & 2 others.*
 Pumps, Number *30 or pumps as approved.* Diameter of Barrel and Tail Pipe *6" and 2 1/2"*
 Windlass is *Emerson, Walker & Thompson Bros. Captain*
 Engine Room Skylights.—How constructed? *Iron on iron casing 6" above Port Aft Aft deck.*
 What arrangements for deadlights in bad weather? *Thick glass bulls eyes in iron hinged covers.*
 Coal Bunker Openings.—How constructed? *1 hatch & 1 scuttle* How are lids secured? *Bars & lashing from crew to scuttle* Height above deck? *12"*
 Number of Scuppers, and number and dimensions of Freeing Ports, &c. *4 Scuppers, 2 ports (22 x 15") each side of quarter deck.*
 Ceiling in Holds, thickness and material *2 1/2" W.P.* Ceiling 'tween Decks, thickness and material *2" W.P. battens*
 Cargo Hatchways.—How formed? *Steel plate coamings* Hatches, If strong and efficient? *Yes, solid*
 State size No. 1 Hatch (Forward) *15' 10" x 13' 6" x 21"* No. 2 Hatch *22' 0" x 13' 10" x 21"* No. 3 Hatch *22' 0" x 13' 9" x 21"* No. 4 Hatch *20' 0" x 13' 10" x 21"*
 Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch *1 web plate in 1 hatch, 2 web plates in nos. 2, 3 & 4 hatches, 3 fore & afters in each hatch* No. of Breasthooks *34 amp floor* No. of Crutches *14 amp floor*
 Bulwarks, height above deck and description *Thick plating 38" above stringer* Main Rail, material and size *6" Bull angle at 12" W.P.*
 The above is a correct description *For FURNESS, WITBY & CO. LIMITED.* Surveyor's Signature *Rao. Dowling.*
 Builder's Signature (here only) *J. Hill* 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)

1893. July 4. 10. 20. Sept 7. 20. Nov. 25. Dec. 22

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? *a few.*

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

General Remarks (State quality of workmanship, &c.)

The workmanship is good & the vessel has been constructed in accordance with the approved plans (5 in No.) which together with one Forgings Report, are attached hereto.

The collision bulkhead tunnel and iron weather decks have been tested by water as required, the hand pumps also tested & found to work satisfactorily. The steel used in the construction of the hull has been tested as required by the Society's Rules.

Drawing
Midship Section previously forwarded
Profile
Iron decks
Iron masts
Pumping arrangement

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

ARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *✓* ft., R.Q.D. *on Deck* *111* ft., Bridge Dk. *159* ft., F'castle *✓* ft.
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated.

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) *one tier (steel) and part during deck (steel frame) and web frames.*

Official No. *102711*; Signal Letters

How are the surfaces preserved from oxidation? Inside *Portland Cement & Paint* Outside *Paint.*

ARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system

Where fitted.	Length. Feet.	Water Capacity. Tons.	Where fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	<i>84</i>	<i>147</i>	Fore peak tank,	<i>—</i>	<i>—</i>
Double bottom, forward,	<i>92</i>	<i>155</i>	After peak tank,	<i>—</i>	<i>32</i>
Double bottom, under Engines and Boilers,	<i>42</i>	<i>89</i>	Midship deep tank,	<i>—</i>	<i>—</i>
Double bottom, if under Engines only,	<i>—</i>	<i>—</i>	Other tanks, if fitted,	<i>—</i>	<i>—</i>
Double bottom, if under Boilers only,	<i>218</i>	<i>391</i>	(If necessary, furnish further information by sketch.)	<i>—</i>	<i>—</i>

State whether the above have been tested as required by the Rules *Yes.*

Order for Special Survey No. *576*

Date *11th Sept. 1893*

Order for Ordinary Survey No.

Date

202 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
- 2nd. On the plating during the process of riveting
- 3rd. When the beams were in and fastened, and before the decks were laid, &c.
- 4th. When the ship was complete, and before the plating was finally coated or cemented
- 5th. After the ship was launched and equipped

Built under Special Survey

First Visit. 6th Sept. 1893

Last " 23rd Jan'y 1894

Total No. of Visits *50*

Amount of Entry Fee.....£ *4* :
Special Survey Fee£ *71* : *12* :
Travelling Expenses, if any £ :
Fees applied for, *27. 1. 1894*
Received by me, *27. 1. 1894*

Certificate to be sent to

Chas. Fowling.

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

In opinion this Vessel should be Classed
with, or without Freeboard, as condition of Class

+ 100 A.1 Steel with freeboard

Committee's Minute
Character assigned

TUES. 30 JAN 1894

100 A.1 Steel

pc. Awn. dk. with fl'd. 8.8.3 1/2

atcp
2 Dec 194

10h (Stl) & web frames
+ pc. Awn. dk. (pc. Stl. & pc. Iron)

W. H. F. K.

This Vessel appears to have been built in accordance with the Rules and the approved plans, and it is submitted that it is eligible to be classed 100 A.1 (Steel) with freeboard as recommended. The Surveyor's freeboard of 8'-3 1/2" from centre of deck to top of Statutory deck line at part during deck, now marked on the Vessel's deck, to be inserted in the Classification Certificate and recorded in the Register Book, and further the necessary particulars, as shown on the accompanying certificate, form to be inserted in the Certificate of Classification.

100 A.1 (Steel) with freeboard

10h (Stl) & web frames & pc. Awn. dk. (pc. Stl. & pc. Iron)

W. B. = All D.B. (particulars above)

F. K.

The Surveyor should be noted that from 1893-1894 should have been used for reporting this vessel

HPL372-0017 (212)