

3 Decks.

IRON OR STEEL STEAMER.

Received at London Office.

SAT. 17 FEB 1906

Date of completion of report 16th February 1906 Port of Sunderland
Survey held at Sunderland Date, First Survey 14th April 1905 Last Survey 9th February 1906
On the steel screw steamer "ATHENIC" Rig Fore & aft schooner

TONNAGE under 8835.68

THREE DECKED VESSEL.

Master E. R. Peck

Year of appointment (1) As Master in service of owner of present vessel: 1904
(2) As Master of this vessel: 1906

Do. between Tonnage Dk. and 3rd and 4th Dk.

CLASS 8100A1

FEET.

Built at Sunderland

When built 1906. Launched 27th Nov. 1905.

By whom built, Sunderland S.B. Co. Ltd

Owners W. H. Lockerline & Co

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

Residence Hull

Port belonging to Hull

Total under Upper Dk.

Do. of Poop 79.48

Do. of Bridge House

Do. of Forecastle 47.52

Do. of Houses on Dk. 75.68

Do. of excess of Hatchways 39.15

Do. above Crown of Engine Room

Gross Tonnage 4077.51

Less Crew Space 98.87

Less above Crown of Engine Room

TONNAGE FOR FEES 3978.64

Less Engine Room 1304.80

Less Navigation Spaces 45.56

Net Tonnage 2628.28

at on Beam

Half Breadth (moulded) 24.87

Depth from upper part of Keel to top of Upper Deck Beams 28.75

Girth of Half Midship Frame (as per Rule) 50.01

deduct 7 feet 4

1st Number 96.63

Length on deck from after part of stem to fore part of stern post 368.17

2nd Number 35576

Proportions—Breadth to Length 7.4

Depth to Length—Upper Deck to top of Keel 12.8

Main Deck ditto

Destined Voyage Venice via Newport

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

TH on Deck 368 2 BREADTH—Moulded 49 9 DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams 25 1
er Rule 368 2 Do. do. do. ordinary Main Dk. Beams 26 2 No. of Decks with flat laid One
No. of Tiers of Beams Two
Dimensions of Ship per Register, Length 370' breadth 50' depth 26.2' Moulded depth, ft. 27 ins. 9 To Upper Dk. Round of Upper Dk. Beam, Actual 12 ins.

FRAMING.						FORGINGS or CASTINGS.					
	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	Inches in Ship
KEEL, Angles, on L or R Bars for 1/2 length amidships	9	3 1/2	12	9	3 1/2	12	KEEL, Bar or Side Plates, depth and thickness				
for 1/2 at each end	9	3 1/2	11	9	3 1/2	11	STEM, moulding and thickness	11 x 3		11 x 3	
in way of Double Bottoms at Solid Floors	3 1/2	3 1/2	10	3 1/2	3 1/2	10	STERN-POST for Rudder do. do.	11 x 7		11 x 7	
BOILER SPACE at intermediate Plates	6	3 1/2	10	6	3 1/2	10	" for Propeller	11 x 7		11 x 7	
of Frames from moulding edge to moulding edge, all fore and aft	25		25				MAIN PIECE of Rudder, diameter at head	9 1/2		9 1/2	
PERSEID FRAME, Angles in tank	3 1/2	3 1/2	8	3 1/2	3 1/2	8	" do. at heel	7 1/4		7 1/4	
FRAMING, depth of girder	4 1/4		8		4 1/4		RUDDER, how constructed Forged & built single plate 23/30				
ORS, depth and thickness of Floor Plate	4 1/4		8		4 1/4		Can the Rudder be unshipped afloat? Yes				
in way of Engines and Boilers	3 1/2		12		3 1/2		KEELSONS & STRINGERS.				
thickness at the ends of vessel	27		15 1/2				CENTRE LINE KEELSON, Vertical Plate above	4 1/4		12	
depth at 1/2 the half breadth, as per Rule	7 1/2		7 1/2				Through Plate, or Intercoastal Plate	4 1/4		12	
height extended at the Bilges	25		8		25		" Rider Plate	4 1/2		12	
BRACKETS, in Cell Dble Bottoms	25		8		25		" Bulb Plate to Intercoastal Keelson	4 1/2		12	
Distance apart	4 1/4		11		4 1/4		Horizontal Plates on Floors	4		12	
RE GIRDER, in Double bottom, depth and thickness	4 1/4		11		4 1/4		" Angles (2) ON TOP	4		12	
" Angles, Top	4		10		4		SIDE KEELSON, Angles	4		12	
" Bottom	4 1/2		12		4 1/2		" Bulb or Plate above floors, for full lng.	14		14	
GIRDERS, number on each side & thickness	2		8		2		Intercoastal Plate, for full length	14 x 1/20		11	
" Angles	3 1/2		8		3 1/2		" Attached to outside Plating with Angle	3 1/2		3 1/2	
AIN PLATE, depth (exclusive of flange) and thickness	36 1/2		10		36		BILGE KEELSON, Angles	4		12	
" Angles to Outside Plating	4		10		4		" Bulb or Plate above floors, for full lng.	14		14	
R BOTTOM PLATING, breadth and thickness of Middle Line Strake	45		10		44		Intercoastal Plate for full length	14 x 1/20		11	
" in Engine and Boiler space			10				" Attached to outside Plating with Angle	3 1/2		3 1/2	
" Remainder in Holds			8				BILGE STRINGER Angles				
IS, Upper Deck, Single Angle, Bulb	8 1/2		3 1/2		11		" Bulb Plate for length				
Angle, Plate or Tee Bulb	9		3 1/2		13		Intercoastal Plate for length				
Angles on upper edge	25		125				" Attached to outside Plating with Angle				
Average space	13		11		13		2SIDE STRINGER Angles	6 1/2		4 1/2	
IS, Middle Deck, Single Angle, Bulb	5 1/2		4		10		" Bulb or Intercoastal Plate, for full lng.	21		10	
Angle, Plate or Tee Bulb	5 1/2		4		10		" Attached to outside plating with Angle	3 1/2		3 1/2	
Angles on upper edge	50		50				Upper Deck Stringer Plates, br'dth & thickness	58		12	
Average space	7 1/2		3		7 1/2		" Angle on ditto	6 x 6		12	
IS, Lower Deck, Single Angle, Bulb	9		3 1/2		12		" Tie Plates fore and aft, outside Hatchways	4 x 4		9	
Angle, Plate or Tee Bulb	9		3 1/2		13		" Deck * Iron or Steel, for full lng.	8		8	
Angles on upper edge	25		25				Wood Deck, Material & thickness				
Average space	50		50				Middle Deck Stringer Plate, br'dth & thickness	60		12	
IS, Hold, or Orlop, Plate or Tee Bulb	9		3 1/2		12		" Angles on ditto, No. Two to shell	4 x 4		9	
Angle, Plate or Tee Bulb	9		3 1/2		13		" Tie Plates outside Hatchways				
Angles on upper edge	25		25				" Bulb or Plate on Deck, No. of prs.	11 x 3 1/2		14	
Average space	7 1/2		3		7 1/2		" Deck * Iron or Steel, for lng.				
IS, Bridge Deck, Angle, Bulb Angle, Plate or Tee Bulb	9		3 1/2		12		Wood Deck, Material & thickness				
Angle, Plate or Tee Bulb	9		3 1/2		13		Lower Deck Stringer Plate, br'dth & thickness				
Angles on upper edge	25		25				" Angles on ditto, No.				
Average space	50		50				" Tie Plates outside Hatchways				
IS, Poop Deck, Angle, Bulb Angle, Plate or Tee Bulb	9		3 1/2		12		" Deck * Material and thickness				
Angle, Plate or Tee Bulb	9		3 1/2		13		Hold, or Orlop Stringer Plate, br'dth & thckn's				
Angles on upper edge	25		25				" Angles on ditto, No.				
Average space	7 1/2		3		7 1/2		" Tie Plates outside Hatchways				
IS, Forecastle Deck, Angle, Bulb Angle, Plate or Tee Bulb	9		3 1/2		12		" Deck. Material and thickness				
Angle, Plate or Tee Bulb	9		3 1/2		13		Poop Deck Stringer Plate, breadth & thickness				
Angles on upper edge	25		25				" Angle on ditto	3 x 3		7	
Average space	50		50				" Tie Plates				
PILLARS, In 'tween Deck, (size and spacing)	2 1/4		50		2 1/4		" Deck. Material and thickness	Steel		7	
" Hold I section	8		6		12		Bridge Deck Stringer Plate, br'dth & thickness	43 1/2		10	
" Quarter 'tween Dks.							" Angle on ditto	32 x 3 1/2		10	
" in Hold							" Tie Plates				
WEB-FRAMES, In Fore Body, No. and spacing	8		568		8		" Deck. Material and thickness	Steel		7	
" br'dth. & thickness	21		10		21		Forecastle Deck Stringer Plate, br'dth & th'kns	34		7	
" No. of Side Stringers	2		21		10		" Angle on ditto	3 x 3		7	
WEB-FRAMES, In E. & B. Space, No. & spacing	3		566		3		" Tie Plates	29		7	
" br'dth. & thickness	21		10		21		" Deck. Material and thickness	Pitch pine		5 x 3	
WEB-FRAMES, In After Body, No. and spacing	6		668		6		BULKHEADS.				
" br'dth. & thickness	21		10		21		Number.				
" No. of Side Stringers	2		21		10		In Vessel.				
Size of Angles or Tee Bars to Web-Frames	6 1/2		4 1/2		14		Per Rule.				
BRACKET PLATES to Stringers between Web-Frames, depth and thickness	6		3 1/2		9		Thickness.				
ANGLE BAR IN LUG							Horizontal.				

PLATING.										RIVETING.																																																																																																																																
STRAKES.	AS IN SHIP.				PER RULE OR AS APPROVED.		UPPER EDGES, ordinary.																																																																																																																																			
	AMIDSHIP.		FORWARD.		AFT.		AMIDSHIP.		SINGLE OR DOUBLE.		BREADTH OF LAP.		RIVETS.		DOUBLE OR TREBLE FOR WHAT LENGTH.		BUTTS.																																																																																																																									
	Breadth.	Thickness.	Thickness.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.	Breadth.	Thickness.																																																																																																																								
FLAT PLATE KEEL.....	44	20	14	14	44	20	Double	6	1	4 1/2	4 1/2	1 1/2	3 1/2	16	full																																																																																																																											
GARBOARD OF A Strake.....	54	15	13	13	54	15	"	5 1/2	3	3 1/2	3 1/2	1	3 1/2	10 1/2	"																																																																																																																											
State actual thickness in way of Double Bottom.	B 3/4	12	11	10	60	12	"	"	"	"	"	"	"	12	"																																																																																																																											
C 3/4	11	10	9	9	11	"	"	"	"	"	"	"	"	9	"																																																																																																																											
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E	13	10	10	10	13	"	"	"	"	"	"	"	"	9	"																																																																																																																											
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G	5 1/2	13	10	10	13	"	"	"	"	"	"	"	"	9	"																																																																																																																											
H	6 1/2	13	10	10	66	13	"	"	"	"	"	"	"	12	"																																																																																																																											
J	5 1/2	12	9	9	12	"	"	"	"	"	"	"	"	9	"																																																																																																																											
K	4 1/2	13	10	10	13	"	"	"	"	"	"	"	"	9	"																																																																																																																											
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P	State	Sheerstrake increased 4"	from within bridge to half length.	16/20																																																																																																																																						
Q	Strake below	8"	8"	8"	16/20																																																																																																																																					
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DOUBLING OF Flat Plate Keel	Keel plate & garboards increased in line.																																																																																																																																									
Length and thickness of Sheerstrake.	at bridge ends 2 1/2 x 3/4																																																																																																																																									
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FORECASTLE SIDES	7																																																																																																																																									
Lengths of plating	9 frame 7 spaces																																																																																																																																									
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. <i>Steel Plates: South Durham S. & J. Co. Lonsell Iron Co. Rydebridge Steel Co. Steel Angles: Lonsell Iron Co. Palmers S. & J. Co. Steel Co. of Scotland, Linarkshire Steel Co. Glasgow S. & J. Co.</i>																																																																																																																																										
Has the Steel been tested as required by the Rules? <i>Yes.</i>																																																																																																																																										
FRAMES extend in one length from <i>centre line</i> to <i>margin plate, thence to gunwale.</i>																																																																																																																																										
REVERSED FRAMES on floors and frames extend from <i>Bull angle frames and web frames.</i>																																																																																																																																										
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6864	Kedge	6	2	0	8	15	0	0	6	2	0	"	"	"	"																																																																																																																											
Drop mechanical tests applied to cast steel anchor heads <i>See Note at Bochum on 11-10-02 & 25-8-03</i> <i>See Note at Bochum on 11-10-02 & 25-8-03</i> <i>See Note at Bochum on 11-10-02 & 25-8-03</i>																																																																																																																																										
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Boats <i>2 lifeboats 34', 1 gig 16' 8" dingy 15'</i>																																																																																																																																										
Pumps, Number <i>Two.</i> Diameter of Barrel <i>5 1/2</i> to peak State whether they are in efficient working order <i>Yes.</i>																																																																																																																																										
Windlass is <i>iron, steam, makes Emerson, Walker & Thompson Bn 2 1/2</i> Capstan <i>9</i> steam winches.																																																																																																																																										
Engine Room Skylights.—How constructed? <i>Steel plates & angles.</i>																																																																																																																																										
What arrangements for deadlights in bad weather? <i>Strong bulls eyes</i>																																																																																																																																										
Coal Bunker Openings.—How constructed? <i>Steel plates & angles.</i> How are lids secured? <i>Battens & tarpaulins.</i> Height above deck? <i>15 1/2</i>																																																																																																																																										
Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. <i>3 scuppers for 1 3/4 ft. 32 x 8, all on each side.</i>																																																																																																																																										
Ceiling in Holds, thickness and material <i>2 1/2 white pine.</i> Ceiling 'tween Decks, thickness and material <i>7/8 2 white pine.</i>																																																																																																																																										
Cargo Hatchways.—How formed? <i>Steel plates & angles.</i> Hatches, If strong and efficient? <i>Yes 3 solid</i>																																																																																																																																										
State size No. 1 Hatch (Forward) <i>22' 11" x 15' 11"</i> No. 2 Hatch <i>29' 2" x 15' 11"</i> No. 3 Hatch <i>29' 2" x 15' 11"</i> No. 4 Hatch <i>25' 15' 11"</i>																																																																																																																																										
Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch <i>2 web plates & 3 fore afters in all hatches.</i>																																																																																																																																										
No. of Breasthooks <i>68</i> dup floors No. of Crutches <i>38</i> dup floors																																																																																																																																										
Bulwarks, height above deck and description <i>Steel 48 x 50, Stays 13 1/2 bulw. 6 apart</i> Main Rail, material and size <i>Bull angle 6 x 3 x 720</i>																																																																																																																																										
The above is a correct description.																																																																																																																																										
Builder's Signature (here only) <i>James R. Murray</i> Surveyor's Signature <i>Robert Howie</i> Surveyor to Lloyd's Register of British and Foreign Shipping.																																																																																																																																										

Correspondence.—State dates and initials of letters respecting this case (Reference should be made to any correspondence connected with this case) *11 2 2 05, 17 4 05, 19 4 05, 8 5 05, 1 6 05, 16 8 05. E 30 6 05*

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 very few*

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

Have all the upper and weather decks been tested as required by the Rules (Sec. 23, par. 24)? *Yes* State results of tests *Satisfactory*

Have all the gutterways been tested as required by the Rules (Sec. 23, par. 25)? *Yes* State results of tests *02*

General Remarks (State quality of workmanship, &c.) *This vessel has been built in accordance with the approved plans forwarded herewith, the Secretary's letters referred to above and in general conformity with the Society's Rules and Regulations for the class contemplated.*

The materials used in the vessel's construction are good and the workmanship is good.

Two reports on forgings are forwarded herewith.

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

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *25 9/16* ft., R.Q.D. or Break *✓* ft., Bridge Dk. *100* ft., F'castle *34 4 1/2* 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) *1 5 1/2 (5th) 2 tiers beams, deep framing and web frames.*

Official No. *123223*; Signal Letters

How are the surfaces preserved from oxidation? Inside *Cement and paint.* Outside *Paint*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *Cellular system.*

Where fitted.	Length.	Water Capacity.	Where fitted.	Length.	Water Capacity.
Double bottom, aft.	<i>12 7/16</i>	<i>346.8</i>	Fore peak tank,		<i>73.5</i>
Double bottom, under Engines and Boilers.			After peak tank,		<i>82.0</i>
Double bottom, if under Engines only,	<i>20 1/2</i>	<i>71.5</i>	Midship deep tank, <i>Staff engine room</i>	<i>29 1/2</i>	<i>733.5</i>
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,	<i>15 8 1/2</i>	<i>467.5</i>	(If necessary, furnish further information by sketch.)		

* The wells are not to be included in the lengths of the tanks. State whether the above have been tested as required by the Rules *Yes*

Order for Special Survey No. *559*

Date *29 - 5 - 05*

No. *233* in builder's yard.

Dates of Surveys held while building

*1905: Apr. 14, 18, 20. May: 3, 5, 10, 12, 15, 17, 19, 23, 25, 30, 31, June 2, 5, 6, 7, 9, 15, 16, 19, 20, 23, July 3, 5, 7, 11, 13, 18, 19, 21, 24, 27, 28, 31, Aug. 1, 4, 10, 11, 14, 15, 16, 17, 21, 25, 28, 30, Sept. 4, 6, 8, 14, 18, 21, 26, 28, 29, Oct. 3, 5, 6, 9, 11, 16, 20, 24, 26, 27, 30, Nov. 1, 3, 7, 9, 14, 15, 18, 20, 21, 22, 23, 24, Dec. 1, 4, 6, 8, 12, 18, 19, 20, 21, 28, 29, - 06 - Jan. 1, 4, 8, 9, 11, 17, 19, 24, 26, 29, Feb. 6, 8, 9, Total No. of Visits *103.**

The amount of Entry Fee.....£ *5* : : Fees applied for, *31 4 06*

Special Survey Fee£ *124* : *11* : *6* Received by me, *2 3 18 06*

Travelling Expenses, if any £ *✓* : : *✓*

State whether the Vessel has been built under Special Survey *Yes*

I am of opinion this Vessel should be Classed *100A1*

With, or without Freeboard, as condition of Class *Without*

Committee's Minute *TUES. 20 FEB 1905*

Character assigned *100A1*

Lloyd's agent W. & L. M. B. 2. 06

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

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