

## STEEL STEAMER or MOTORSHIP

Received at London Office FEB 1929

State if Report has been sent on the Freeboard of the Vessel. *Yes*State if Report is sent on the Machinery of the Vessel. *Yes*

Date of completion of report

5<sup>th</sup> February 1929 Port of

Sunderland

No. 29949

Survey held at

Sunderland

Date First Survey

4<sup>th</sup> June 1928

Last Survey

4<sup>th</sup> February

1929

On the

Single Screw Steamer

ASHLEA

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

Complete Superstructure with Tonnage Opening

State Type of Erections

File on Shell Plating

TONNAGE under Tonnage Deck

3944.88

CLASS 100 AT

State if with freeboard as condition of Class

Yes

Built at

Sunderland

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 366.5

Breadth (greatest moulded)

B 51.16

Total

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 35.00

Gross Tonnage

4221.55

Register Tonnage

2532.17

1st Longitudinal Number (L x D) = 12827

2nd Numeral L x (B + D) = 31577

Framing Depth "d," at middle of length. See Sec. 3 (1d)

23.40

Proportions—Depth to Length—Uppermost continuous deck to top of keel

10.47

Do. Long Bridge to top of keel

—

Draught Moulded

24.5 3/4

Launched

12<sup>th</sup> Decr 28 Yard No. 291

Builders

Sir John Piesman &amp; Co.

Owners

The Cliffside Shipping Co.

Managers

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

Residence Newcastle-on-Tyne

Port of Registry

Newcastle-on-Tyne

If surveyed while building, afloat, or in dry dock

Building &amp; Afloat.

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
<b>FRAMES, Spacing amidships</b>	30		<b>Bracket Floors, Frame</b>	6 x 3 1/2 x .35	
" " from 3/8 length to Collision bulkhead	27		" " Reversed Frame	6 x 3 x .35	
" " in peaks	24		" " Vertical Struts	9 x 3 1/2 x 3 1/2 x .38	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	4 1/2 x .54	
<b>Frame Amidships, Angle, E or C</b>	N.B. 5 12 x 3 1/2 x .47		" " top Angle	5 x 5 x .50	
" " Extends up to	2 <sup>nd</sup> Deck		" " bottom Angle	6 x 6 x .56	
<b>Reversed Frame Amidships, Angle</b>	Bulk angle		<b>Side Girders, No. each side and thickness</b>	One .40 .5085	
" " Extends up to	Frames		<b>Margin Plate depth (excl. of flange) and thickness</b>	38 x .50	
<b>Depth of Framing Girder</b>	12"		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 x 3 1/2 x .42	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or C</b>	6 1/2 x 3 1/2 x .40		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 x 3 1/2 x .42	
" " <b>Second 'tween Decks, Angle, E or C</b>	4 1/2 x 3 1/2 x .40		" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 x 3 1/2 x .42	
" " <b>Third " " " "</b>	4 1/2 x 3 1/2 x .40		" " Gussets, spacing and scantling forward 1/2 len. from stem	3 1/2 x 3 1/2 x .42	
<b>Framing in Peaks, Angle, E or C</b>	7 x 3 1/2 x .40		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	8 3/2" x .42	
<b>Diameter and Spacing of Rivets, through Frame and Shell Plating amidships</b>	7/8" 7 diams.		<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	Yes		<b>Breadth and thickness of Middle Line Strake</b>	75 x .48	
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	Individual frames modular increased Single frames = 5 double. Additional intermediate. Thickness of shell maintained to collision bulkhead.		<b>Thickness of remainder in Holds</b>	.42 - .38	
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>			<b>Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. &amp; B. space and framing in Bunkers and Boiler Room?</b>	Yes	
<b>SINGLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b>			<b>Uppermost Continuous Deck, amidships in Walls, Angle, E or C</b>	6 1/2 x 3 x .34	
<b>Height of Brackets at side above base line at toe of frame</b>			" " in way of Bridge, Angle, E or C		
<b>Middle Line Keelson, on Floors, Angles, E or C</b>			<b>Spacing</b>	30"	
" " Through Plate or Intercoastal Plate			<b>Second Deck, amidships, Angle, E or C</b>	6 1/2 x 3 x .34	
" " Foundation Plate on Floors			<b>Spacing</b>	30"	
" " Flat Plate Keel Angles			<b>Third Deck, amidships, Angle, E or C</b>		
<b>Side Keelsons, No. each side</b>			<b>Spacing</b>		
" " thickness of Intercoastal Plate			<b>Fourth Deck, amidships, Angle, E or C</b>		
" " Angles			<b>Spacing</b>		
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, E or C</b>		
<b>Solid Floors, thickness and spacing</b>	37 27 30 90		<b>Spacing</b>		
" " Are Frame and Reversed Frame joggled?	Yes		<b>Bridge Deck, Angle, E or C</b>		
<b>Bracket Floors, breadth and thickness at middle line</b>	32 x .37		<b>Spacing</b>		
" " breadth and thickness at margin plate	28 x .37		<b>Forecastle Deck, Angle, E or C</b>	8 1/2 x 3 1/2 x .48 8 1/2 x 3 x .48	
			<b>Spacing</b>	8 x 3 1/2 x .40 8 x 3 x .40 54" x .48	



# PILLARS AND DECKS.

	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>	Three						
Centre in 'tween Decks, Size and Spacing.....	2 3/8" or	60"					
Quartern " " " " " " " "	Double						
Quartern in Holds & Engine " " " " " "	6 x 3 1/2	46					
" " " " " " " "	6 x 6 x 6 1/4	58					
Centre Line Bulkhead.	from [ 11 x 3 1/2 x 3 1/2	47 1/2					
Stiffeners and Spacing.....	6 B.A. 7 1/2 x 3	46					
Plating, thickness of .....	on Aluminium beams.	30					
<b>STRINGERS AND DECKS.</b>							
<b>Uppermost Continuous Deck.</b>							
Stringer Plate, breadth and thickness in Wells	55 x	52					
" " " " " " " " " " " "							
" " " " " " " " " " " "	5 x 5 x	52					
Thickness of Plating abreast Deck openings in way of Wells	42	34					
Thickness of Plating abreast Deck openings in way of Bridge							
Thickness of Plating within line of openings...	36	34					
If Sheathed, material and thickness .....							
<b>Second Deck.</b>							
Stringer Plate, breadth and thickness in Wells...	58	38					
Stringer Plate, breadth and thickness in way of Bridge							
Thickness of Plating abreast Deck openings in way of Wells							
Thickness of Plating abreast Deck openings in way of Bridge							
Thickness of Plating within line of openings...							
If Sheathed, material and thickness .....							
<b>Third Deck.</b>							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness.....							
<b>Fourth Deck.</b>							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness .....							
<b>Poop Deck.</b>							
Stringer Plate, breadth and thickness .....							
Plating, Sheathing, material and thickness ...							
<b>Bridge Deck.</b>							
Stringer Plate, breadth and thickness.....							
Plating, Sheathing, material and thickness ...							
<b>Forecastle Deck.</b>							
Stringer Plate, breadth and thickness.....							
Plating, Sheathing, material and thickness ...	30	2 1/2" p.p.					

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?		No.	RIVETS.		No. OF ROWS OF RIVETS.	STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.		SINGLE OR DOUBLE.	RIVETS.		Diam.	Spacing cr. to cr.		
FLAT PLATE KEEL .....	50	72	64	64		Double	7/8	3 1/3	Four	1"	4	Lapped
" DBLG. (if any)	-	-	-	-		-	-	-	-	-	-	-
BOTTOM PLATING, No. of Strakes .....	7 1/2	55	48	48		Double	7/8	3 1/3	Three	7/8	3 1/8	Lapped
BILGE PLATING, No. of Strakes .....	48	55	48	48		- do -	- do -	- do -	- do -	- do -	- do -	- do -
SIDE PLATING, No. of Strakes .....	52	55	46	46		- do -	- do -	- do -	- do -	- do -	- do -	- do -
UPPER DECK, Sheer-strake in Wells.....	7 1/2	55	46	46		- do -	- do -	- do -	- do -	- do -	- do -	- do -
UPPER DECK, Sheer-strake in Bridge ...	71	64	46	46		-	-	-	-	-	-	-
STRAKE BELOW Sheer-strake in Wells.....	7 1/2	55	46	46		Double	7/8	3 1/3	Three	7/8	3 1/8	Lapped
STRAKE BELOW Sheer-strake in Bridge ...	-	-	-	-		-	-	-	-	-	-	-
POOP SIDE PLATING .....	-	-	-	-		-	-	-	-	-	-	-
BRIDGE SIDE PLATING ...	-	-	-	-		-	-	-	-	-	-	-
FORECASTLE SIDE PLATING	-	-	40	-		Single	3/4	3	One	3/4	2 5/8	Lapped.

## WATERTIGHT BULKHEADS.

<b>Total No. of W.T. BULKHEADS in Vessel—</b>	Six
Extending to Upper Deck (Sec. 3 c)	One
" Deck next below	Five
As per Rule	Six

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings	Spacing.	Scantlings	Spacing.
<b>MIDSHIP BULKHEAD, Upper tween decks</b>	-	-	-	-	-
" " Second "	-	-	-	-	-
" " Third "	-	-	-	-	-
" " Holds .....	52 - 32	11 x 3 1/2 x 3 1/2	54 - 47 1/2	34" x 32"	-
<b>COLLISION</b> " (in Hold) F	53 - 27	9 x 3 1/2 x 40	24"	One S.B.B	One W.T.F
<b>AFTER PEAK</b> " " .....	34 - 30	9 x 3 1/2 x 44	25 1/2	One steel flat	

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar .....</b>	Flat plate	steel		
<b>STEM .....</b>	Roller steel	9 x 2 1/2		
<b>STERN FRAME</b> { Propeller Post .....	Castings	10 x 7 1/8	W. H. G. & Co.	
{ Rudder " .....		9 x 7 1/8		
<b>RUDDER—A x D.....</b>	Balanced	Reaction	Rudder	
<b>Speed of Vessel.....</b>	Not exceeding	10 knots		
<b>RUDDER</b> mainpiece at head ...	Castings	7	W. H. G. & Co.	
" " heel ...		7 3/8		
" " how constructed .....	Ames standard on			
" " double or single plate	Single 86	fitted in	two parts & stream	
" " coupling, vertical or horizontal.....	lined with wood.			

<b>STEEL.</b>	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
	Appleby Iron Co. Ltd. Bolckow Vaughan & Co. Ltd. Cargo Fleet Iron Co. Ltd. Consett Iron Co. Ltd. Haslingham Iron & Steel Works. South Durham S & I. Co. Ltd. Pease & Partners Ltd.
	Has the Steel been tested as required by the Rules? Yes



EQUIPMENT No. 32079										LETTER X		ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested and Superintendent.
31690	1st Bower ...	Cwts. 53	qrs. 2	lbs. 14	Cwts. -	qrs. -	lbs. -	Tons. 44	cwts. 11	qrs. 1	lbs. 0	Cwts. 53 2/3	Byers Improved	—	Sld. 6-12-28 J. H. Butler
31686	2nd „ ...	53	1	21	-	-	-	44	10	0	0	53 2/3	„	—	Sld 5-12-28 J. H. Butler
31685	3rd „ ...	53	1	21	-	-	-	44	10	0	0	53 2/3	„	—	Sld 5-12-28 J. H. Butler
	Collective weight.	160	2	0								160			
90393	Stream .....	15	0	14	4	0	12	16	12	0	21	15 sec. stn	Ordinary	U. Hingley & Sons Ltd.	N. 22-11-28 H. Green

CHAIN CABLES.										HAWSERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and Size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and Size supplied.		Breaking Test of Steel Wire.	Length and Size per Table 53.		
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.	Length.					Ins.	Length.		Ins.	Tons.	Length.
90263	135	2 1/8	8 1/4	113 3/4	306	0	4			Sld	U. Hingley & Sons	L. N. 21-11-28 H. Green	TOWLINE...	120	4 1/2	39	120	4 1/2	
80802	15	2 1/8	8 1/4	113 3/4	34	1	0			Sld	—	N. 7-3-28 H. Green	HAWSERS & WARPS	4/90	2 1/2	12 1/2	4/90	2 1/2	
80803	15	2 1/8	8 1/4	113 3/4	34	1	21			Sld	—	N. 8-3-28 H. Green		"					
Iron Stream Chain or Steel Wire	150	Cir.			Continued	overluff.			Cir.				"						
	96	4 1/2		39	37 1/2	2	25	90	4 1/2	Messrs. Glaholm & Robson Ltd.				"					

Steering Gear, Steam *John Lynn & Co.* Steering Gear, Hand *Steel wire ropes and blocks operated from 12-0-0-0*

Boats 2 Lifeboats 26'8" x 3'3" Steering Chains, Size and Test 1" Windlass *Charles Chapman & Co.*

Ceiling in Holds, thickness and material *Under hatches & over bulges* Cargo Battens, thickness, material and spacing 2" W.W. 9" spacing

Cargo Hatchways.—(Upper Deck) *Steel plates & angles, 36" high.* Thickness of Hatches 2 1/2" W.W.

Size of No. 1 Hatchway (Forward) 24'9" x 18'0" No. 2 30'0" x 18'0" No. 3 12'6" x 18'0" No. 4 30'0" x 18'0" No. 5 25'0" x 18'0" No. 6 12'6" x 13'6"

Number of Shifting Beams and/or Fore and Afters *Four to 40 1.2 + 4. One to 40 3 + 6. Three to 40 5.*

Builder's Signature *John Lynn & Co.*

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *No* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *No* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

*This vessel has been built in accordance with the approved plans, the Rules and Secretary's letters. The materials and workmanship are good.*

*The freeboard markings have been verified and cut in on the vessel's sides.*

*The decks, bulkheads, peak tanks, double bottom tanks, tunnel, W.T. doors, handpumps, windlass and steering gear have been tested with satisfactory results.*

*Three approved plans are forwarded herewith i.e. Midship Section, Profile and Decks. Approved detail plans are already in the London Office and were forwarded with the First Entry Report on the 5/5 "Francis Massey" (Sld. Spt. 40 29514) which is a duplicate vessel except for a slight difference in the length.*

*Three forging certificates are also forwarded herewith.*

The amount of Entry Fee ..... £ 8 : 0 : 0 Fees applied for, *25 Jan 1929*

Special Survey Fee.... £ 286 : 2 : 0 Received by me, *19.3.29*

*Freeboard 9:3:4*

Travelling Expenses, if any £ : : ✓

I am of opinion the Vessel should be Classed *100A.1. With freeboard.*

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

Signature *H. Urwin.*

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to *SUNDERLAND* Date of issue *20/3/29*

Committee's Minute

TUE. 12 FEB 1929

Character assigned

*+ 100A.1. With freeboard*

*Lloyd's Reg.*

*+ L.M.C. 2.29*

*Thick Sld*

*W/421-0013 212*



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Lloyd's Register Foundation



GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

Chain Cables — continued.

No of Certificate	Supplied.		Tests		Weight		Rule		Descript.	Makers	When and when tested and Superintendent.	
	Length	Diam	Stat.	Break.	Supplied	Rule	Length	Diam				
80805	15	2 1/8	8 1/4	113 3/4	34.1.11			2 1/8	Slid	—	Meth	7.3.28 H. Green
80806	15	2 1/8	8 1/4	113 3/4	34.2.6			"	"	—	Meth	7.3.28 H. Green
80819	15	2 1/8	8 1/4	113 3/4	33.3.15			"	"	—	Meth	14.3.28 H. Green
80820	15	2 1/8	8 1/4	113 3/4	34.1.22			"	"	—	Meth	14.3.28 H. Green
80821	15	2 1/8	8 1/4	113 3/4	34.1.24			"	"	—	Meth	14.3.28 H. Green
80822	15	2 1/8	8 1/4	113 3/4	34.1.23			"	"	—	Meth	14.3.28 H. Green
84728	15	2 1/8	8 1/4	113 3/4	36.0.8			"	"	—	Meth	14.5.28 H. Green
	270	2 1/8			616.3.22	608.3.0	270	2 1/8				

105  
115  
270

Particulars of **Drop Test** of Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower

32.1.22

M.B

5933

16.11.28

2nd "

31.3.14

M.B

5916

16.11.28

3rd "

31.3.25

M.B

5917

16.11.28

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle **37.25** ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated **C.S.S. with tonnage opening**

No. and Material of Decks (this information is to be given as it should appear in the Register Book)

2 Decks (steel)

Official No. **149491** ; Signal Letters

Is bottom of Vessel coated with cement **yes** if not give

particulars of composition ☒

**PARTICULARS OF WATER BALLAST.—**

Where Fitted.		Length.		Water Capacity.		Where Fitted.		Length.		Water Capacity.	
		Feet.	Tons.					Feet.	Tons.		
Double bottom, aft,	<input checked="" type="checkbox"/>	115.0	321			Fore peak tank,		22.33	134		
Double bottom, under Engines and Boilers,	<input checked="" type="checkbox"/>	37.5	144			After peak tank,		23.50	247		
Double bottom, if under Engines only,		—	—			Deep tank, aft,		—	—		
Double bottom, if under Boilers only,		—	—			Deep tank, forward,		—	—		
Double bottom, forward,	<input checked="" type="checkbox"/>	162.0	529			Other tanks, if fitted,		—	—		
		Total capacity of double bottom		994		(If necessary, furnish further information by sketch.)					

\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. **5679**

Date **6. 6. 28**

Dates of Surveys held while building

1928. June 4 July. 3.13.16.24.30. Aug. 7.13.14.23. Sep. 5.12.17.19.24.26. Oct. 1.3.5.10.12.17.18.22. 24. Nov. 1.2.5.7.12.13.15.19.22.26.28.30. Dec. 3.4.10.12.27. 1929. Jan. 10.11.14.21. Feb. 4.

Total No. of Visits **47**