

With or Without STEEL STEAMER.

Received at London Office JUN 29 1923

Date of completion of report 27th June 1923. Port of Middlesbrough
Survey held at Haverton Hill on 25th June 1923. Date, First Survey 14th December 1922 Last Survey 22nd June 1923
On the (State if Single, Twin or Triple Screw) BISHOPSTON No. 11620
Rig Fore and Aft.

TONNAGE under 1260.01
Tonnage Deck...
Do. between Tonnage Dk. and 3rd and 4th Dk.
Total under Upper Dk.
Do. of Poop 44.82
Do. of R.Q. Dk.
Do. of Bridge House 65.96
Do. of Forecastle 133.76
Do. of Houses on Dk. 9.24
Do. of excess of Hatchways 20.62
Do. above Crown of Engine Room
Gross Tonnage 1534.41
Less Crew Space 56.63
Less above Crown of Engine Room
TONNAGE FOR FEES... 491.01
Less Engine Room 60.26
Less Navigation Spaces
Register Tonnage 926.51
as cut on Beam

CLASS 100A1
Breadth (greatest moulded) 37.83
Depth, at middle of length from top of keel to top of upper deck beams at side 19.85
FIRST LONG TRANSVERSE NUMBER 4584
Length on deck from fore part of stem to after part of stern post 244.5
Longitudinal Number 13834
Depth "d," at middle of length (See Secs. 2 & 13) 16.0
Proportions—Depth to Length—Upper Deck Beam at side to top of keel 12.49
" " Long Bridge Deck Beam at side to top of keel 9.19

Master
Year of appointment (1) As Master in service of owner of present vessel—19 (2) As Master of this vessel—19
Built at Haverton Hill on 25th June
When built 1923 Launched 17 May '23
By whom built Furness Ship & Coy. Ltd.
Owners H. Harrison (Shipping) Ltd.
Managers
Residence
Port belonging to London

Destined Voyage
Surveyed while Building Afloat, or in Dry Dock

LENGTH on Deck as per Rule 244 6
BREADTH Moulded 37 10
DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams 17 7
Do. do. do. do. Second Dk. Beams 17 7
No. of Decks with flat laid one
No. of Tiers of Beams
Dimensions of Ship per Register, Length 244.8 breadth 38 depth 17.55
Moulded depth, ft. 26 ins. 7 To Bridge Dk. Round of Upper Dk. Beam, Actual 9 ins.
Moulded depth, ft. 19 ins. 7 To Upper Dk.

FRAMING.						PILLARS.					
	Inches in Ship.	Inches in Ship.	Inches in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.		Inches in Ship.	Inches Spacing in Ship.	Inches per Rule Or as Approved.	Inches per Rule Or as Approved.	
FRAME, Angles, or Bars amidships	8	3	38	8	3	38	PILLARS In 'tween Deck, size and spacing				
Do. in peaks	6	3	36	6	3	36	" " Hold				
Do. in way of Double Bottoms at Solid Floors	3	3	32	3	3	32	" " Quarter 'tween Dks.,				
" " at intermdt. Bkts.							" " in Hold				
Spacing of Frames from centre to centre amidships	27			27							
" " from 1/2 length to Collision bulkhead	27			27							
" " in peaks	24			24							
REVERSED FRAME, Angles											
Do. in way of Double Bottoms at Solid Floors	3	3	32	3	3	32					
" " at intermdt. Bkts.											
FRAMING, depth of girder											
FLOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships											
" in way of Engine and Boiler Spaces											
" thickness at the ends of vessel											
" depth at 1/2 the half breadth, as per Rule											
" height extended at the Bilges											
FLOORS in Cell, Double Bottoms	34			34							
" state if flanged (top & bottom)											
" Spacing of Solid floors	27	24		27	24						
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss.	33	36		33	36						
" " Angles Top	3	3	40	3	3	40					
" " Bottom	3	3	42	3	3	42					
" " to Floors	3	3	32	3	3	32					
" Brackets at intermdt. frmg., wdth & thcknss											
SIDE GIRDERS, number on each side & thickness	one	32		one	32						
" " state if flanged (top and bottom)											
" " Angles (top and bottom)	3	3	32	3	3	32					
" " to Floors	3	3	30	3	3	30					
MARGIN PLATE, depth (exclusive of flange) and thickness	level	38		level	38						
" " Angle to Outside Plating	3	3	40	3	3	40					
" " Floors	3	3	32	3	3	32					
" Brackets at intermdt. frmg., wdth & thcknss											
" Height of Outside Brackets above	60			60							
INNER BOTTOM PLATING, breadth & thickness of Middle Line Strake	75	5		43	38						
" " in Engine and Boiler space	E 40	50		E 40	50						
" " Remainder in Holds	50			32	08						
BEAMS, Upper Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel	5	3	38	5	3	38					
" " In way of Long Bridge	7 1/2	3	34	7 1/2	3	34					
" " Spacing	27			27							
BEAMS, Second Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel											
" " Spacing											
BEAMS, Third and Fourth Deck, Single Angle, Bulb, Angle, Plate, Tee Bulb, or Channel											
" " Angles on upper edge											
" " Spacing											
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6	3	36	6	3	32					
" " Angles on upper edge											
" " Spacing	48	27		48	27						
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	5 1/2	3	42	5 1/2	3	42					
" " Angles on upper edge											
" " Spacing	27			27							
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel	6	3	44	6	3	44					
" " Angles on upper edge											
" " Spacing	27	24		27	24						

If Iron or Steel Deck, state if whole or part, and if Wood Deck is laid thereon.

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[illegible]

EQUIPMENT No. 14302 LETTER H ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS

Number of Certificate	Anchors	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			WEIGHT REQUIRED BY TABLE 31			Description of Anchor	Makers	Where and when tested and Superintendent	
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.				lbs.
27515	1st Bower	30	3	14	18	2	14	29	5	2	14	30	2	-	Byno & Sons, Stockless	Not stated	Swansea 30.4.23
27513	2nd "	30	1	0	18	2	0	28	16	1	0	30	2	-	do	do	do
27514	3rd "	26	2	7	16	1	21	26	1	3	14	26	0	0	do	do	do
	4th "																
	Collective weight	87	2	21								87	0	0			
23974	Stream	7	2	7	2	0	0	9	15	3	21	7	3	0	Doyle & Sons	Not stated	Swansea 31.5.20
38456	Kedge	4	1	14	1	0	22	6	15	0	0	4	1	0	do		Swansea 23.4.23

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

	1st Bower	2nd "	3rd "	4th "
Weight	16.3.0	16.1.2	14.1.27	
Surveyor's Initials	AB	AB	AB	
Number of Certificate	5090	5088	5079	
Date of Test	19th April '23	do	do	

CHAIN CABLES. HAWSERS AND WARPS.

Number of Certificate	Length and size supplied		Test per Certificate, Break- ing	WEIGHT OF CHAIN CABLE		Length and size per Table 31	Description	Makers of Cables	Where and when tested, and Superintendent	Material	Length and size supplied		Breaking Test of Steel Wire Towline	Length and size per Table 31	
	Fathoms	Ins.		Tons	qrs.						lbs.	Fathoms		Ins.	Fathoms
34577	105	1 5/8	47.5	66.5	148.2.14	319.2.0	240	1 5/8	Not stated	Crabtree & Heath 25.4.23	90	3 3/4	12	90	3 3/4
34578	105	"	"	"	148.1.7			"	"	S.S. Paul 40	2090	2 3/4	9 1/2	2090	2 3/4
33886	15	"	"	"	19.3.26			"	"	do 23.10.22	2090	2 3/4	9 1/2	2090	2 3/4
33887	15	"	"	"	20.0.13			"	"	do do do	2090	2 3/4	9 1/2	2090	1 3/4
Stream Chain Steel Wire	75	3 3/4	29	29	322.0.4		75	3 3/4							

Boats 2 - 19'0" Life boats 1 Dugley Steering Gear, Steam 1st Hand engine Diameter of Barrel 10" State whether they are in efficient working order ✓

Pumps, Number 2 Windlass is Steam Emerson Walker & Thompson Capstan Steam winches

Engine Room Skylights.—How constructed? Steel plates & angles What arrangements for deadlights in bad weather? Bulls eyes

Coal Bunker Openings.—How constructed? Dull angle & plates How are lids secured? Japanned battens Height above deck? 18" dms Bridge Dr.

Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 4 each side; 12 each side 3' 2" x 1' 6"

Ceiling in Holds, thickness and material None - 2 1/2" wood at bilge Cargo Battens, thickness and material None fitted

Cargo Hatchways.—How formed? Steel plates angles & bulbs Hatches, If strong and efficient? Yes.

State size No. 1 Hatch (Forward) 31' 6" x 25' 6" No. 2 Hatch 30' x 25' 6" No. 3 Hatch 3' 5" x 25' 6" No. 4 Hatch 31' 6" x 25' 6"

Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch 6 in No. 1, 2 & 4 and 5 in No. 3 " 5 - 27' 0" x 25' 6" x 20' 0"

Bulwarks, height above deck and description 3' 6" x 25' stanch 6" x 7/8" No. of Breasthooks 2 No. of Crutches deck floor.

The foregoing is a correct description. Main Rail, material and size steel 6" x 3/4" x 40'

Builder's Signature (here only) J. Mc Govern Surveyor's Signature R. Farley

Director Surveyor to Lloyd's Register of Shipping.

Correspondence.—State dates and initials of letters respecting this case (Reference should be made in any correspondence connected with the case) From 2nd Oct 1922 to 15th June 1923

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? plates joggled ✓

to plate, &c., conform well to each other? Yes ✓

Do the holes for riveting plate to frames, butt straps, or plate 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 the plating? a 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. 26, par. 20)? Yes ✓ State results of tests satisfactory.

Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes ✓ State results of tests satisfactory.

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

The vessel has been built in accordance with the approved plans, the Secretary's letters of advice dates and in general conformity with the Rules for the class contemplated. Steam steering gear, winches and windlass tested and found satisfactory. No Cargo Battens fitted. 2 Forging certificates and plans of the vessel (Midship Section Profile and Deck) as built are forwarded herewith. The approved plans are now in the London Office. It is requested that these approved plans be returned here for guidance in dealing with the Sister Vessel now being completed at this Port. This vessel is a Sister Ship to the same Builder S.S. "Atherton".

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built.

The amount of Entry Fee £ 5 : 0 : 0 Fees applied for, 28.6.1923

Special Survey Fee.... £ 151 : 14 : 0 Received by me, Hall

Freeboard Travelling Expenses, if any £ 6 : 0 : 0 Certificate sent to Middleburgh Glasgow Date of issue 24/4/23

State whether the Vessel has been built under Special Survey Yes

I am of opinion this Vessel should be Classed 100 A1

With, or without Freeboard, as condition of Class without freeboard.

Committee's Minute TUE. 3 JUL. 1923

Character assigned 100 A1

(Cargo batten not fitted)

Lloyd's A.S.B.P.

Wm. Frost

R. Farley

Surveyor to Lloyd's Register of Shipping.

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GENERAL REMARKS—(continued).

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 18.75 ft., R.Q.D. ✓ ft., Bridge 42.75 ft., Forecastle 2. (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 should appear in the Register Book) one deck - steel ✓
 Official No. 147504.; Signal Letters
 How are the surfaces preserved from oxidation? Inside In 45. Cement under Boiler & Bridge do do fillets at Seams & bolts elsewhere Ballast Tank 3 and 4 Peas & cement washed Outside Paint ✓
 State if Machinery is fitted aft ho ✓
 How are the surfaces preserved from oxidation? Inside In 45. Cement under Boiler & Bridge do do fillets at Seams & bolts elsewhere Ballast Tank 3 and 4 Peas & cement washed Outside Paint ✓
 State if Machinery is fitted aft ho ✓

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

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	74.25 ✓	172 ✓	Fore peak tank,	13.75	5
Double bottom, under Engines and Boilers,	29.25 ✓	81 ✓	After peak tank,	16.75	6
Double bottom, if under Engines only,	—	—	Deep tank, aft,	✓	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	✓	—
Double bottom, forward,	101.25 ✓	245 ✓	Other tanks, if fitted,	—	—
	Total capacity of double bottom	498	(If necessary, furnish further information by sketch.)		

State whether the above have been tested as required by the Rules

Order for Special Survey No. 1357
 Date 12.12.22.
 No. 42 in builder's yard.
 James Shirk & Co. Ltd.
 DATES of Surveys held while building
 1922. Dec. 14. 15. 18. 1923. Jan. 4. 12. 15. 16. 17. 22. 23. Feb. 5. 19. 28. Mar. 20. 27. Apr. 4. 9. 10. 12. 13. 19. 20. May 1. 4. 5. 11. 14. 15. 16. 17. 18. 22. 24. Jun. 5. 6. 7. 8. 12. 13. 18. 19. 21. 22.
 Surveyor's Signature Robert Bailey
 Total No. of Visits 4