

Received at London Office 5- OCT 1942

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

State if Report is sent on the Machinery of the Vessel.....

Date of completion of report 2nd October 1942 Port of Sunderland No. 33499

Survey held at Sunderland Date First Survey 19 Dec. 1941 Last Survey 25 Sept. 19 43

On the ^(State if Machinery fitted with) ~~Single~~ ^{Single screw} "Empire Banner" 11/2

State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)* Complete Superstructure without Tonnage Openings State Type of Erections ✓

TONNAGE under } 628 1/2 || CLASS + 100 A | State if with freeboard } Yes || Built at Sunderland

Tonnage Deck ... } CLASS 1 as condition of Class } FEET
 No. of masts or masts } Length from fore part of stem to after part of stern } 44 1/2
 Launched June 29th 1942 Yard No. 292

Do. of space or spaces between Tonnage Dk. and Upper Dk.	Length from fore part of lower deck to fore part of main post on summer L.W.L. See Sec. 3 (1a)	77.5	
Breadth (greatest moulded)	B	56.29	Builders <u>Bartram & Sons Ltd</u>

Total	1400.0	Depth, at middle of length from top of keel to top of beam at side of uppermost continuous	D	36.66	Owners	Ministry of War Transport
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Gross Tonnage 6694.48 deck. See Sec. 3 (1c) 14620
1st Longitudinal Number (L x D) 4833.18 =

Register Tonnage 4537 75 2nd Numeral $L \times (B + D)$ 37699 = 37699 Managers Men-hyr House
(Where necessary to be entered in Reg. Book)

REGISTERED DIMENSIONS.

FEET

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

Residence

Length 416.8 Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.13 Port of Registry Sunderland

adth 56.6
Do. Long Bridge to }
top of keel } 21' 11" If surveyed while building, 'afloat, ~~or in dry dock~~
Yes

th	34.0	Draught Moulded	26-4	1.5
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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.
FRAMES, Spacing amidships	31		Bracket Floors, Frame	9 3 1/2 7/16
" " from 1/2 length amidships to Collision bulkhead.....}	27		" " Reversed Frame.....	9 3 1/2 7/16
" " in peaks	24		" " Vertical Struts	6 3 1/2 7/16
SIDE FRAMING.			Centre Girder, depth and thickness amidships	44 .54
Frame Amidships, Angle, \angle or \square	12+4+4+1/2		" " top Angles	3 1/2 3 1/2 .48
" " Extends up to.....	2nd dk		" " bottom Angles.....	4 4 .54
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	One .38
" " Extends up to			Margin Plate depth (excl. of flange) and thickness	40 .54
Depth of Framing Girder.....	12		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 7/16
Frames in Uppermost Continuous 'tween Decks, Angle, \angle or \square}	1 3 1/2 .38		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	3 1/2 3 1/2 7/16
" " Second 'tween Decks, Angle, \angle or \square			" " Gussets, spacing and scantling abaft 1/2 len. from stem.....	8 8 .50
" " Third " " " " " " " ".....			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	even .50
" " from 1/2 len. for'd. to 15% len. from Stem	12+4+4+1/2		Tank Side Brackets, height above base line at toe of Frame and thickness	12 .46
" " in Peaks, Angle \angle or \square	8 3 1/2 7/16		INNER BOTTOM PLATING.	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 3 1/2 7/16 6 1/4 6 1/4 6 1/4 bottom		Breadth and thickness of Middle Line Strake...	7 1/2 .50
State if Frame Joggled.....	Yes		Thickness of remainder in Holds	45-44-40
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved ?	Yes		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room ?.....	Yes
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved ?.....	Yes		BEAMS.	
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, \angle or \square	7 3 .42
Floors, Depth and thickness at mid-line in Holds.....}			" " in way of Bridge, Angle, \angle or \square	8 3 1/2 .35
Height of Brackets at side above base line at toe of frame.....			" " Spacing	31
Middle Line Keelson, on Floors, Angles, \angle or \square			Second Deck, amidships, Angle, \angle or \square	8+3 1/2 .42 .44 .48
" " Through Plate or Inter-costal Plate			" " Spacing	9 3 1/2 3 1/2
" " Foundation Plate on Floors			Third Deck, amidships, Angle, \angle or \square	
" " Flat Plate Keel Angles			" " Spacing.....	
Side Keelsons, No. each side.....			Fourth Deck, amidships, Angle, \angle or \square	
" " thickness of Inter-costal Plate.....			" " Spacing.....	
" " Angles			Poop Deck, Angle, \angle or \square	
DOUBLE BOTTOM.			" " Spacing.....	
Solid Floors, thickness and spacing	38 10' 4"		Bridge Deck, Angle, \angle or \square	
" " Are Frame and Reversed Frame joggled ?	Yes		" " Spacing.....	
Bracket Floors, breadth and thickness at middle line	39 .38		Forecastle Deck, Angle, \angle or \square	
" " breadth and thickness at margin plate.....	33 3/4 .38		" " Spacing.....	

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.
PILLARS, No. of Rows			One		Stringer Plate, breadth and thickness in way of Bridge			✓	
,, in 'tween Decks, Size and Spacing			4 4 .50 5 5 .50 6 6 .50	✓	Thickness of Plating abreast Deck openings in way of Wells35	✓
,, " " " " "			62"	✓	Thickness of Plating abreast Deck openings in way of Bridge <i>213 casing</i>35	✓
,, in Holds " " " " "			✓		Thickness of Plating within line of openings...			.35	✓
,, " " " " "			✓		If Sheathed, material and thickness			✓	
Centre Line Bulkhead.					Third Deck.			✓	
Stiffeners and Spacing			6 { 8 3 1/2 7/16 10 3/4 .50	✓	Stringer Plate, breadth and thickness			✓	
Plating, thickness of30 .31 .38	<i>per 62 the plan</i>	If Plated, state thickness			✓	
STRINGERS AND DECKS.					Fourth Deck.			✓	
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness			✓	
Stringer Plate, breadth and thickness in Wells			64 .72	✓	If Plated, state thickness			✓	
,, " " " " in way of Bridge			✓		Poop Deck.			✓	
,, Angle in Wells			4 4 .60	✓	Stringer Plate, breadth and thickness			✓	
Thickness of Plating abreast Deck openings in way of Wells72	✓	Plating, Sheathing, material and thickness ...			✓	
Thickness of Plating abreast Deck openings in way of Bridge <i>213 casing</i>64 .52 .77	✓	Bridge Deck.			✓	
Thickness of Plating within line of openings...			.40	✓	Stringer Plate, breadth and thickness			✓	
If Sheathed, material and thickness			✓		Plating, Sheathing, material and thickness ...			✓	
Second Deck.					Forecastle Deck.			✓	
Stringer Plate, breadth and thickness in Wells			21 1/2 .40	✓	Stringer Plate, breadth and thickness			✓	
					Plating, Sheathing, material and thickness...			✓	

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

FORGINGS AND CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		7	
Extending to Upper Deck (Sec. 3 c)		1 (6 div WT bulkheads in Twin Dk)	
,, Deck next below		6 Tw. dk BHs intact except on frames 88/90 & 96 where openings closed by w.t. bolted plates, see letter 30.10.42	
As per Rule			

	Plating Thickness.	STIFFENERS.				
		VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
No 17						
MIDSHIP BULKH'D, Upper 'tween decks	.26	5+3+5/16 L	30 ✓	✓	✓	
No 41, 69, 96, 96	.26	6+1 1/2+3/4 L	30 ✓	✓	✓	
No 130	.26	7+3+3/8 L	30 ✓	✓	✓	
		11+3/4+44 L	30 ✓	✓	✓	
		10+3/4+50 L	27 ✓	✓	✓	
		8+3/4+50 L	27 ✓	✓	✓	
		7+3/4+40 L	27 ✓	✓	✓	
		5+3+42 L	27 ✓	✓	✓	
COLLISION	(in Hold)	156	48-34	as approved	298 Beams approx	as
AFTER PEAK		13	34-30	as approved	298 Beams approx	as

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar				Plank plate
STEM				Roll'd 9+2 1/2" Applby Fred
STERN FRAME	{ Propeller Post			Cust as Wolsingham St
	{ Rudder			Steel Applbyd Co Ltd.
Speed of Vessel				11 knots
RUDDER—Type				Ordinary { cust steel frame & double plates
	A x D.			443
	Diam. of head			FS 10 1/2 Wolsingham
	Mainpiece at top pintle			10+9 1/16 Steel Co Ltd
	heel			10+6 13/16
	how constructed			plates welded to frame
	double or single plate			double
	coupling, vertical or horizontal			horizontal

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)		Open Hearth
	Carb. Steel, Corsett, Colvilles, Donnan & Co, Skinningrove, South Durham		
	Applied by		Wolsingham
	Has the Steel been tested as required by the Rules?		Yes

Height of
top. of
19 = 8.25'
41 = 10.75'
69 = 10.0'
88 = 10.0'
96 = 9.75'
130 = 12.75'

Req. 1.

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EQUIPMENT No.												LETTER <i>a+</i>	ANCHORS.		
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53. Cwts.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
<i>41918</i>	<i>1st Bower</i>	<i>65</i>	<i>1</i>	<i>0</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>52</i>	<i>15</i>	<i>2</i>	<i>14</i>	<i>} Fixed Improved Stockless</i>	<i>✓</i>	<i>Sold 13/5/42 WVN</i>	
<i>41919</i>	<i>2nd ,,</i>	<i>65</i>	<i>0</i>	<i>0</i>	<i>-</i>	<i>-</i>	<i>-</i>	<i>52</i>	<i>12</i>	<i>2</i>	<i>0</i>			<i>" 14/5/42 WVN</i>	
	<i>3rd ,,</i>														
	<i>Collective weight</i>														
<i>55020</i>	<i>Stream</i>	<i>19</i>	<i>0</i>	<i>4</i>	<i>4</i>	<i>1</i>	<i>22</i>	<i>19</i>	<i>17</i>	<i>2</i>	<i>0</i>			<i>Chadley Heath 22/5/42 LEP</i>	

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.	
	Fathoms.	Ins.	Stations.	Break-Ing.	Supplied.	Per Rule.	Supplied.	Per Rule.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
65165	105 1/2	2 1/16	96 1/4	134 3/4	243-1-3	720 3/4	270	2 1/2	270	2 1/2	Steel Kendricks	Chadley Heath		TOWLINE	130	4 1/2	54.6	130	4 1/2
65164	120 1/2	2 5/16	96 1/4	134 3/4	326-2-20						Link Mole Id	Chadley Heath LEP		HAWSERS & WARPS	2-90	2 3/4	15.2	2-90	2 3/4
															2-90	2 1/4	13.2	2-90	2 1/4
Iron-Steel Chain or Steel Wire	90	5"							90	5"	British Rope Ltd								

Steering Gear, Type (Power *hand*) *Hand* *Telemotor* Alternative Means of Steering *Ang block Tackle*

Steering Chains (Size and Test) *1-27' 1-26'* Windlass *Emerson Walker* Boats *2-23'*

Ceiling in Holds, thickness and material *✓* Cargo Battens, thickness, material and spacing *✓*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *2 1/2" N° 3-3"*

Size of Hatchways No. 1 (Fwd.) *29'3" x 22'* No. 2 *31'6" x 22'* No. 3 *23'3" x 17'6"* No. 4 *36'2" x 22'* No. 5 *36'2" x 22'* No. 6 *✓*

Number of Shifting Beams and/or Fore and Afters *No 1 & 2 - 5 each No 3 - 2 No 4 & 5 - 6 each*

Builder's Signature *AND ON BEHALF OF BARTRAM and SONS LTD*

(CECIL McFETRICH) DIRECTOR

GENERAL DECLARATION. It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel *✓*

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *✓* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

The vessel has been built in accordance with the approved plans, the Rules, & the Secretary's letters.

The materials and workmanship are good. The freeboard marks have been verified & cut in on the vessel's sides.

The double bottom tanks and fore & after peak tanks have been tested in accordance with the Rules.

The decks, bulkheads, tunnel, hand pump, and watertight doors have been satisfactorily tested. The windlass and steering gear have been tried under working conditions.

The amount of Entry Fee..... £10 : 0 : 0 Fees applied for, *28 Sep 1942*

Special Survey Fee..... £3679 : 6 Received by me, *91.17.6*

Specification *Freeboard* Travelling Expenses, if any £ 17 : 0 : 9

I am of opinion the Vessel should be Classed *+ 100 A1 with freeboard.*

Signature *For Rennie* Surveyor to Lloyd's Register of Shipping.

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

Certificate to be sent to *SUNDERLAND.* Date of issue *28/10/42.*

Committee's Minute *TUE. 13 OCT 1942*

Character assigned *With freeboard*

Lloyd's and *+ dmb 9.42*

Write note for S.R.

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.)

Sister Vessel Sold Rpt- 33352 "Empire Ballad"
Certificates of forgings & castings enclosed.

Note:- Hatch ways at 2nd deck fitted with covers at nos 2 & 3
hatches only See letter 11/5/40.

It is the owners intention to fit cargo battens at
the first opportunity.

PARTICULARS OF ELECTRIC WELDING (if employed) Electrodes used: Quasi Arc
Parts welded: Rudder, bulkhead stiffener brackets to tank
top, 2nd deck to shell aft, main & demack posts
to deck, hatch foundation bar corners, running
hatch corners, hatch end frames to 2nd deck.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book.
Engine room, DF, ESD, 7BH (Coll to W Dk, 6 to 2nd Dk) 6 divisional bulkheads
in tween deck.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	45 1/2 lbs	KL	4581	31/42
	2nd "	45 1 0	KL	4411	25/41
	3rd "				

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle ☒ ft.
(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒
Official No. 169028 Signal Letters Extreme Breadth over Belting ☒ Over-all Length 432'-0"
No. and Material of Decks 2 Dks (S&K) (Circ. 1611) (Circ. 1703)
Parts of Bottom of Vessel coated with cement or approved composition Boiler room tank & peaks.
Particulars of composition (if fitted) and of approval ☒

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284)
(Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	136.9	437.0	Fore peak tank,	23.75	145.0
Double bottom, under Engines and Boilers,	41.33	204.0	After peak tank,	26.0	218.0
Double bottom, if under Engines only,	✓		Deep tank, aft,		
Double bottom, if under Boilers only,	✓		Deep tank, forward,		
Double bottom, forward,	171.43	662.0	Other tanks, if fitted,		
Total length (if continuous) and Capacity	350	1303.0	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6095

Date 15.10.41

Dates of Surveys held while building

1941. Dec. 19, 22, 24, 26, 30, 1942. Jan. 1, 5, 7, 12, 16, 24, 28, Feb. 5, 10, 13, 18, 20, 23, 24, 25, 27, Mar. 2, 3, 7, 11, 12, 13, 17, 18, 20, 23, 24, 26, 27, 30, 31, Apr. 1, 2, 3, 7, 9, 10, 13, 15, 17, 20, 22, 24, 27, 30, May, 5, 6, 8, 11, 12, 13, 14, 15, 18, 19, 21, 27, 28, 30, June 1, 3, 5, 6, 8, 9, 10, 11, 12, 15, 16, 17, 19, 29, July 7, 10, 14, 16, 20, 23, 24, 27, 29, Aug. 4, 12, 13, 14, 17, 19, 31, Sep. 7, 9, 10, 11, 14, 16, 17, 18, 19, 21, 22, 23, 25.

Total No. of Visits 105