

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

Built at Sunderland

Launched 18th June 1928 Yard No. 331

Builders Robert Thompson & Sons Ltd

Owners The Fairwater Shipping Co. Ltd

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

Residence Westbury House James St Cardiff.

✓Port of Registry *Cardiff*

✓ If surveyed while building, afloat, or in dry dock

While building

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	33 ✓	
" " from $\frac{1}{2}$ length to Collision bulkhead.....)	27 ✓	
" " in peaks.....	24 ✓	
HIDE FRAMING.		
Frame Amidships, Angle, E or C NAS	12 x 3½ x .58 ✓	
" " Extends up to	Upper deck ✓	
Reversed Frame Amidships, Angle		
" " Extends up to...		
Depth of Framing Girder.....	12 ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or C Bridge	6½ x 3½ x .40 ✓	
" " Second 'tween Decks, Angle, E or C		
" " Third " " "		
Framing in Peaks, Angle or C NAS	7 x 3 x .37 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 R. 6 diams ✓	
State if Frame Joggled	Yes ✓	
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	Back frames 56 12 x 3½ x .54 B.A. with 4½ x 3 x .46 riv. bar rivet stringer in hold ✓ Bottom frames 5 x 5 x .38 ✓ Additional girders 3 strakes of shell of ¾ thickness to collision bulkheads. ✓	
STRENGTHENING OF BOTTOM FORWARD. State Particulars		
ANGLE BOTTOM.		
Floors, Depth and thickness at mid-line in Holds		
Height of Brackets at side above base line at toe of frame		
Middle Line Keelson, on Floors, Angles, E or C		
" " Through Plate or Intercoastal Plate...		
" " Foundation Plate on Floors		
" " Flat Plate Keel Angles		
Side Keelsons, No. each side		
" thickness of Intercoastal Plate...		
" Angles		
DOUBLE BOTTOM.		
Mid Floors, thickness and spacing35 27" 33" & 66" ✓	
" " Are Frame and Reversed Frame joggled?	Yes ✓	
Bracket Floors, breadth and thickness at middle line.....	30" x .40 ✓	
" " breadth and thickness at margin plate.....	30" x .40 ✓	
Bracket Floors, Frame Angle	6½ x 3½ x .40 ✓	
" " Reversed Frame	E 5 x 3 x .36 ✓	
" " Vertical Struts	E 9 x 3½ x 3½ x .38 ✓	
Centre Girder, depth and thickness amidships	40½ x .50 ✓	
" " top Angles	Double 3 x 3 x .48 ✓	
" " bottom Angles	3½ x 3½ x .54 ✓	
Side Girders, No. each side and thickness	One .35 ✓	
Margin Plate depth (excl. of flange) and thickness	35 x .49 ✓	
" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem	3½ x 3½ x .38 ✓	
" " Vertical Angle to Tank side Bracket forward ¼ len. from stem	6 x 6 x .38	
" " Gussets, spacing and scantling abaft ¼ len. from stem.....	Every frame 3½ x 3½ x .42 ✓	
" " Gussets, spacing and scantling forward ¼ len. from stem.....	Every frame 6 x 6 x .42	
Tank Side Brackets, height above base line at toe of Frame and thickness)	55¾	
INNER BOTTOM PLATING.		
Breadth and thickness of Middle Line Strake ...	84 x .46 82 x .46	
Thickness of remainder in Holds43 6.3 6 feet ✓	
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 ✓	
BEAMS.		
Uppermost Continuous Deck, amidships in Wells, Angle, E or C	10 x 3½ x .44 fwd. ✓	
" " in way of Bridge, Angle, E or C	11 x 3½ x .43 aft. ✓	
Spacing	11 x 3½ x .43 ✓	
Second Deck, amidships, Angle, E or C	16 7 x 3 x .35 in way of side pocket bunkers. ✓	
Spacing.....	33"	
Third Deck, amidships, Angle, E or C		
Spacing.....		
Fourth Deck, amidships, Angle, E or C		
Spacing.....		
Poop Deck, Angle, E or C	6 x 3 x .38 ✓	
Spacing.....	7½ x 3 x .375 7½ x 3 x .34 ✓	
Bridge Deck, Angle, E or C	24" + 33" ✓	
Spacing.....		
Forecastle Deck, Angle, E or C	9 x 3½ x .46 ✓	
Spacing.....	33 2020 ✓	
	8 x 3 x .40 ✓	
	6 6½ x 3 x .34 ✓	
	27" + 24" Lloyd's Re ✓	

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..... <i>Centreline</i>	<i>Bulkhead.</i>		Stringer Plate, breadth and thickness in way of Bridge.....		
<i>Bridge</i>	<i>6 x 6 x .60 on</i>		Thickness of Plating abreast Deck openings in way of Wells.....		
<i>in 'tween Decks, Size and Spacing.....</i>	<i>allimate frames</i>		Thickness of Plating abreast Deck openings in way of Bridge.....		
<i>Poop</i>	<i>6 x 6 x .50 on</i>		Thickness of Plating within line of openings...		
<i>Heel</i>	<i>allimate frames</i>		If Sheathed, material and thickness		
<i>in Holds</i>	<i>2 3/4" solid round</i>				
<i>" " " " " "</i>	<i>on allimate frames</i>				
Centre Line Bulkhead.	<i>11 x 3 1/2 x .58 on</i>		Third Deck.		
Stiffeners and Spacing.....	<i>allimate frames to</i>		Stringer Plate, breadth and thickness.....		
Plating, thickness of	<i>6 x 3 x .30 on</i>		If Plated, state thickness.....		
	<i>even frames</i>				
STRINGERS AND DECKS.	<i>.28 (.30 fwd)</i>		Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	<i>54 x .94 - .54</i>		If Plated, state thickness		
" " " " " in way of Bridge	<i>54 x .38</i>				
" Angle in Wells	<i>6 x 6 x .84</i>		Poop Deck.		
Thickness of Plating abreast Deck openings in way of Wells	<i>.64</i>		Stringer Plate, breadth and thickness	<i>34 x .34</i>	
Thickness of Plating abreast Deck openings in way of Bridge	<i>.34</i>		Plating, Sheathing, material and thickness ...	<i>.30</i>	
Thickness of Plating within line of openings...	<i>.40 - .34 wells</i>		Bridge Deck.		
If Sheathed, material and thickness	<i>.32 in way of bridge</i>		Stringer Plate, breadth and thickness.....	<i>54 x .54 (.64 abreast bulkhead)</i>	
Second Deck.			Plating, Sheathing, material and thickness ...	<i>.34 within line of openings</i>	
Stringer Plate, breadth and thickness in Wells...			Forecastle Deck.		
			Stringer Plate, breadth and thickness	<i>34 x .34</i>	
			Plating, Sheathing, material and thickness ...	<i>.26 plating</i>	
				<i>5 x 2 1/2 p.p.</i>	

SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged? <i>No</i> ✓			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	48	.72 ✓	.64	.64	✓	Double ✓	7/8 ✓	3 3/10	✓	4 to 3 ✓	7/8	3 1/2 - 3 3/8	Lapped ✓
„ DBLG. (if any)	-	-	-	-		-	-	-		-	-	-	-
BOTTOM PLATING, No. } of Strakes 4. }	76 66	.63 ✓	.44	.44	✓	Double	7/8	3 3/10	✓	3 ✓	7/8	3 1/8	Lapped ✓
BILGE PLATING, No. of Strakes 1. }	7 1/2	.63	.44	.44	✓	„	7/8	3 3/10	✓	3 ✓	7/8	3 3/8	„ ✓
SIDE PLATING, No. of Strakes 3. }	67	.63	.42	.42	✓	„	7/8	3 3/10	✓	3 ✓	7/8	3 3/8	„ ✓
UPPER DECK, Sheer- strake in Wells. }	50	1.27 ✓	.42	.42	✓	„	1"	3 2/3	✓	4 to 3 ✓	1 1/2 7/8	4 to 3 3/8	„ ✓
UPPER DECK, Sheer- strake in Bridge ... }	50 ✓	.63 ✓	-	-	✓	„	7/8	3 3/10	✓	3 ✓	7/8	3 1/8	„ ✓
STRAKE BELOW Sheer- strake in Wells. }	64 ✓	.63	.42	.42	✓	„	7/8	3 3/10	✓	3 ✓	7/8	3 1/8	„ ✓
STRAKE BELOW Sheer- strake in Bridge ... }	64 ✓	.63 ✓	-	-		„	7/8	3 3/10	✓	3 ✓	7/8	3 3/8	„ ✓
POOP SIDE PLATING37		Single	3/4	3	✓	1	3/4	2 5/8	„ ✓
BRIDGE SIDE PLATING58			✓	Double	7/8	3 3/10	✓	3	7/8	3 3/8	„ ✓
FORECASTLE SIDE PLATING			.40			Single	3/4	3	✓	1	3/4	2 5/8	„ ✓

WATERTIGHT BULKHEADS.

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

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.		Spacing.		Scantlings.		Spacing.	
		Inches.	Thickness.	Inches.	Thickness.	Inches.	Thickness.	Inches.	Thickness.
MIDSHIP BULKHEAD, Upper tween decks									
" " Second "									
" " Third "									
" " Holds		<i>.44 - .26</i>	<i>11 x 3 1/2 x .43</i>	<i>5 30</i>					
COLLISION " (in Hold)		<i>.57 floor</i>	<i>11 x 3 1/2 x .54</i>	<i>5 24</i>	<i>1 Semi-box beam</i>				
AFTER PEAK " "		<i>.47 floor</i>	<i>8 x 3 x .45</i>	<i>5 24</i>	<i>1 " " "</i>				

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	<i> Rolled steel</i>	<i>9 x 2 3/8</i>	<i>J.S. Foster & Sons Ltd</i>	
STEM	<i>Forging</i>	<i>10 x 7</i>	<i>J.S. Foster & Sons Ltd</i>	
STERN FRAME { Propeller Post				
{ Rudder "				
RUDDER—A x D.....		<i>117.5 x 3.27 = 384</i>		
Speed of Vessel		<i>9 1/2 knots</i>		
RUDDER mainpiece at head ...	<i>Forging</i>	<i>9</i>	<i>J.S. Foster & Sons Ltd</i>	
" " heel ...		<i>6 3/4</i>	<i>J.S. Foster & Sons Ltd</i>	
" how constructed	<i>Forging with arms</i>	<i>shrouded on</i>		
" double or single plate	<i>Single</i>	<i>1.04</i>		
" coupling, vertical or horizontal	<i>Horizontal</i>	<i>23" diam.</i>		

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

EQUIPMENT No. 31995										LETTER 26		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.
31162	1st Bower ...	Cwts. 56	qrs. 1	lbs. 7	Cwts. -	qrs. -	lbs. -	Tops. 46	cwts. 4	qrs. 2	lbs. 21	Cwts. 56 1/4 ✓	Byers Improved Shackles	—	Sld 4.6.28 J.H. Butler
31157	2nd „ ...	56	1	0	-	-	-	46	3	0	14	56 1/4 ✓	„ „ „	—	Sld 1.6.28 J.H. Butler
31147	3rd „ ...	47	2	14	-	-	-	40	17	3	7	47 1/2 ✓	„ „ „	—	Sld 30.5.28 J.H. Butler
	Collective weight.											160 ✓			
17410	Stream	15	0	0	3	3	0	16.5	-	-	-	15 ex stock	Rodger Anchor Shackle	Kendrick Moller Ltd.	Eff 15.5.28 A. Jones

CHAIN CABLES.										HAWERS 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.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
31879	270	2 1/8	81 1/4	113 3/4	608-3. 0			608 3/4	270	2 3/8	✓ 5 Stud	Kendrick & Moller Ltd.	Eff. 3.5.28. A. Jones	TOWLINE...	120	4 1/2	39	120	4 1/2
														HAWERS & WARPS }	4/90	2 1/2	12 1/2	4/90	2 1/2
														"	-	-	-	-	-
Iron Stream Chain Steel Wire	90	4 1/2		39					90	4 1/2	✓	British Rope Ltd.	Gateshead.	"	-	-	-	-	-

Steering Gear, Steam 9 1/2 x 9 by John Wigham & Sons
Boats 2 Lifeboats 26 ft; 1 cutter 18 ft; Steering Chains, Size and Test 1 5/16 20-12-2-0
Ceiling in Holds, thickness and material 2 1/2 Baltic Pine under hatchways & over bilges
Cargo Hatchways.-(Upper Deck) Steel plates and angles
Size of No. 1 Hatchway (Forward) 27'-0" x 20'-0" No. 2 27'-6" x 20'-0" No. 3 11'-0" x 18'-0" No. 4 27'-6" x 20'-0" No. 5 27'-6" x 20'-0" No. 6 -
Number of Shifting Beams and/or Fore and Afters Four in 4' 1.2.4 & 5; One in 4' 3.

FOR ROBERT THOMPSON & SONS LTD.
Builder's Signature *[Signature]*

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 constructed 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 fore peak, after peak tank and double bottom tanks have been satisfactorily tested to rule requirements. The bulkheads, decks, tunnel and W.T. doors have been hose tested and found satisfactory.
The windlass, winches, steering gear and W.T. doors have been tried and found in good working order.
The following approved plans (4 in number) are in the London office, copies of which are being retained for reference in dealing with the sister vessel :- Midship section; Profile and decks; Pumping arrangements; Pumping arrangements.
These forging certificates are also forwarded herewith.

The amount of Entry Fee £ 8: : : Fees applied for, 3 Aug 1928
Special Survey Fee.... £ 280: 8: : Received by me, 18.8.28
Freeboard 9: 3: 4
Travelling Expenses, if any £ : : :
State whether the Vessel has been built under Special Survey Yes
Certificate to be sent to SUNDERLAND Date of issue 20/8/28
I am of opinion the Vessel should be Classed 100 A1
Signature H. Urwin.
Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI 17 AUG 1928
Character assigned + 100 A1
+ L.M.C. 8.28
Lloyd's A & C
Cz

The Surveyors are requested not to write on or below the Committee's Minute.

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.)

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

1st Bower	32. 1. 20	K.H.	5407	15. 5. 28
2nd "	32. 1. 26	K.H.	5402	15. 5. 28
3rd "	26. 2. 13	K.H.	5244	13. 4. 28

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 33.75 ft., R.Q.D. — ft., Bridge 230.0 ft., Forecastle 36.08 (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

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

Official No. 148300 ; Signal Letters Is bottom of Vessel coated with cement yes if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	126.5	384	Fore peak tank,	—	—
Double bottom, under Engines and Boilers,	—	—	After peak tank,	18.0	135
Double bottom, if under Engines only,	22.0	93	Deep tank, aft,	—	—
Double bottom, if under Boilers only,	—	—	Deep tank, forward,	—	—
Double bottom, forward,	163.5	588	Other tanks, if fitted,	—	—
Total capacity of double bottom	—	1065	(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. 5667

Date 12. 1. 28

Dates of Surveys held while building

1927. Dec. 28. 30. 1928. Jan. 5. 10. 13. 16. 18. 23. 24. 31. Feb. 1. 8. 10. 21. 23. 28. Mar. 7. 8. 15. 19. 28. Apr. 3. 5. 11. 13. 17. 19. 23. 25. 27. 30. May. 1. 7. 14. 23. 24. 25. 30. June 1. 5. 11. 15. 19. July. 9. 10. 17. 19. 23. 26. 31. Aug. 2. 8.

Lloyd's Register Foundation
Total No. of Visits 55