

State if Report is sent on the Machinery of the Vessel.....yes from hwe

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *BSS without tonnage opening* State Type of Erections *Yield & raised upper*

Built at..... *Sunderland*

Launched 26th April 1945 Yard No. 485

Builders *Shant Brothers Limited*

Owners *Ministry of War Transport*

Managers *R. Chapman & Son*
(Where necessary to be entered in Reg. Book)

Residence *Maritime Buildings*
Newcastle-on-Tyne

Port of Registry. *Sunderland*

If surveyed while building, afloat, or in dry dock

While building

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	✓		Stringer Plate, breadth and thickness in way of Bridge	✓	
" " " " " " in 'tween Decks, Size and Spacing	✓		Thickness of Plating abreast Deck openings } in way of Wells40 ✓	
" " " " " "	✓		Thickness of Plating abreast Deck openings } in way of Bridge.....	✓	
" " " " " " in Holds	✓		Thickness of Plating within line of openings....	.34 ✓	
" " " " " "	✓		If Sheathed, material and thickness.....	✓	
TWEEN DECKS Centre Line Bulkhead. Stiffeners and Spacing HOLDS do FORD TWEEN DECKS Plating, thickness of HOLDS.	6x3x3/8 L To 4x3x3/8 @ 4'-6" MAX. 10x3 1/2 x .38 L @ 4'-6" MAX. 10x3 1/2 x .50 L .26 .30		Third Deck. Stringer Plate, breadth and thickness.....	✓	
STRINGERS AND DECKS. Uppermost Continuous Deck. Stringer Plate, breadth and thickness in Wells	90 3/4 x .70 ✓		If Plated, state thickness	✓	
" " " " " " in way of Bridge	✓		Fourth Deck. Stringer Plate, breadth and thickness.....	✓	
" " Angle in Wells	6" x 6" x .68 ✓		If Plated, state thickness.....	✓	
Thickness of Plating abreast Deck openings } in way of Wells70 & .65 ✓		Poop Deck. Stringer Plate, breadth and thickness.....	✓	
Thickness of Plating abreast Deck openings } in way of Bridge.....	✓		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating within line of openings...	.40 ✓		Bridge Deck. Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness.....	✓		Plating, Sheathing, material and thickness ...	✓	
Second Deck. Stringer Plate, breadth and thickness in Wells	90 1/4 x .44 ✓		Forecastle Deck. Stringer Plate, breadth and thickness.....	.36 ✓	
			Plating, Sheathing, material and thickness... UNDER W/LASS .50 ✓	.32	

SHELL PLATING.

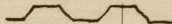
SCANTLINGS.				RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?.....	No	SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.							Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.						Inches.	Inches.		
Flat Plate Keel.....	55 5/8	.80	.70	.70			DOUBLE	7/8	3.6	✓			WELDED
„ Dblg. (if any) B	✓												
Bottom Plating, No. of Strakes A..C.....		.68	.56	.54			do	7/8	3.6	4R to 3R	7/8	3 1/2	LAPPED
Bilge Plating, No. of Strakes D..E.....		.64	.56	.53			do	7/8	3.6	4R	7/8	3 1/2	SINGLE STRAPS
Side Plating, No. of Strakes F..G.....		.68	.50	.53			do	7/8	3.6	3R	7/8	3	LAPPED
Upper Deck, Sheer-strake in Wells	92 7/8	.73	.46	.46			do	7/8	3.6	4R to 3R	1"	4	LAPPED
Upper Deck, Sheer-strake in Bridge	✓												
Strake below Sheer-strake in Wells	94 5/8	.68	.46	.46			do	7/8	3.6	3R	7/8	3	LAPPED
Strake below Sheer-strake in Bridge	✓												
Poop Side Plating.....	✓	A.B.&C BOTTOM SHELL FORWARD OF 1/2 L = .75"											
		A.B.&C " " " " - 3/5 L = .70"											
		SIDE SHELL AT PANTING AREA = .58"											
Bridge Side Plating.....													
Forecastle Side Plating			.40				SINGLE	3/4	3	1R	3/4	2 5/8	LAPPED

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	For record 7 B.H.
Extending to Upper Deck (Sec. 3 c)	6
„ Deck next below	7
As per Rule	7

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		✓		
STEM		10x25/8 M.S. & 56" PLATE		
STERN FRAME {	Propeller Post	M.S. FABRICATED AS PER		
	Rudder "	APPROVED PLAN. DORMAN LONG & Co. Ltd.		
Speed of Vessel		11 KNOTS		
RUDDER—Type		ORDINARY		
" A x D		578		
" Diam. of head		11 5/8"		
" Mainpiece at top pintle		✓		
" " heel		✓		
" how constructed		FABRICATED		
" double or single plate		DOUBLE		
" coupling, vertical or		VERTICAL		
" horizontal				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks		•26	 TROUGHED 6" DEEP			
"	" Second "	✓				
"	" Third "	✓				
"	AMIDSHIPS	•34	TROUGHED	12" DEEP		
"	Holds No. 31. B.H.	•38	8x3½x50 A.	WELDED	32½"	
COLLISION (in Hold) No. 144 FEE		•53-40	9x3½x41 C	24"	3 S.B. BEAMS	
AFTER PEAK " No. 9 FEE		•50-75-30	6x3x50 L	24"	3-6x3x36 L HORIZ	2 S.B. BEAMS E

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth*
Consett Iron Co., Dorman Long, South Durham, Bargo Fleet, Appleby Frodingham
Skinningrove.

Has the Steel been tested as required by the Rules? *yes*

EQUIPMENT No. 40157												LETTER A1		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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
47498	1st Bower	68	2	14	✓			53	1	3	14	68	STOCKLESS	W.L. Byers & Co Ltd	L.P.H.S. 9-4-45 F.W.D.
47486	2nd "	68	2	7	✓			53	1	3	14	68	do	do	L.P.H.S. 9-4-45 F.W.D.
	3rd "											58½			
	Collective weight											194½			
29188	Stream	19	2	21	5	1	7	20	10	2	14	19	RODGER STEEL STOCK	✓	L.P.H.L.W. 28-2-45 R.J.V.

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.		Descrip- tion.	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.	Tons.		Length.	Ins.
3946	270 ³ / ₄	2	100 ¹ / ₂	14 ³ / ₄	577.0-21	720 ³ / ₄	270	25 ¹ / ₁₆	TAYCO	S. Taylor & Sons	L.P.H.N. 7-3-45	JAR	TOWLINE	120	4 ³ / ₄	64.6		
													HAWSERS & WARPS	90	4 ³ / ₄	64.6		
														2075	3 ¹ / ₄	21.7		
													"	2075	2 ³ / ₄	15.2		
													"	2090	2 ³ / ₄	15.2		
<div>Stream Wire</div>	90	5		52.8			90	5										

Steering Gear, Type (Power ~~hand~~) DONKIN 8 C. (STEAM). Alternative Means of Steering Block and tackle from Warping winch.

Steering Chains (Size and Test) Hydramotor controlled Windlass Clarke Chapman 3 lifeboats 26 ft 42 persons

Ceiling in Holds, thickness and material 2 1/2 W.W. at bilges only. Cargo Battens, thickness, material and spacing not fitted cleats supplied

Cargo Hatchways.—(Upper Deck) steel plates and angles (recessed) Thickness of Hatches 3' at all hatches

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

Number of Shifting Beams 6 7 7 7 7

Builder's Signature George A. Mort.

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 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 (where required to be inserted in the Notation).

This ship has been built in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements are in accordance with or equivalent to those shown on the approved plans. The materials and workmanship are good. The double bottom fore and after peaks and deep tanks have been tested under water pressure and found good. The decks upper, second and fore-castle, bulkheads, tunnel, and W.C. doors have been hose tested and found good. The steering gear, secondary means of steering, and windlass have been tested whilst moored in the river. The hand pumps have been tested and found good. Cargo battens have not been fitted but cleats supplied. The third bower anchor has not been supplied. Hatch covers have been fitted at second deck hatches except at nos 1, 6, and in way of grain feeder at no 3 hatch. The freeboard markings have been verified and cut in on the vessel sides.

The amount of Entry Fee..... £ 10. : : } Fees applied for, 25 AUG 1945 (Special notations, where part of class, to be stated.)

Special Survey Fee..... £ 382. 19. : : } Received by me, 1 SEP 1945

Specification 95 14 6

Freeboard 18

Travelling Expenses, if any £ : : }

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

State whether the Vessel has been built under Special Survey yes Signature R.M. Wilson Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to SUNDERLAND. Date of issue 9/10/45

Committee's Minute Glasgow 28 SEP 1945

Character assigned +100A1 "with freeboard"

Lloyd's A.C.P.

+LMC 8,45

Spl. F.D. C.L.

White Spl.

hole for S.R.L.

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.)

This vessel is of the P.F.C. type and the following pre-fabricated materials have been embodied in the structure:-

Centre girder, keel plates, floors, bulkheads, tank margin plates, tank top plates, deck girders, hatch end beams, shell plates (midship), deck plates, side frames, upper and second deck longitudinals and transverses, hull angle intercostals, intercostal frames, hatch webs, engine and boiler casing, midship deckhouses, cantilevers, tunnel, water ballast tank, coal bunkers, centreline bulkheads, stringer angle, bulwarks, provision store, trunk bulkheads, coal and escape hatches, and skylight.

Sister Empire Nairobi

PARTICULARS OF ELECTRIC WELDING (if employed)

Tank top seams & butts welded, margin plate, second deck and deep tank top welded to shell. Tank side brackets, bulkheads, tunnel, deep tank bulkheads, gusset plates, and thrust seat welded to tank top. Tunnel and recess butts and seams welded. Intermediate frames in tween decks welded to second deck, bulkheads welded to second deck and upper decks. Ventilator coamings welded to deck. Butts of keel and centre girder welded.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

E.S.D. D.F.

"FIVE DIVISIONAL W.T. BULKHEADS IN 'TWEEN DECKS"

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower. 45-0-8 J.H.J. 6681 17-1-45
	2nd " 44-3-0 A.E.G. 7101 12-1-45
	3rd " 18-2-21 J.H.J. 6627 15-12-44

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 38.0 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒

Official No. 180162 Signal Letters G.F.D.R. Extreme Breadth over Belting ☒ (Circ. 1611) Over-all Length 447'-9" (Circ. 1703)

No. and Material of Decks 2 Decks (steel)

Parts of Bottom of Vessel coated with cement or approved composition Cement in double bottom tanks, peak tanks and bilges.

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.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	66.00	252	Fore peak tank,	24.25	191
Double bottom, under Engines and Boilers,	42.00	203	After peak tank,	20.00	155
Double bottom, if under Engines only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, aft, Tanks in way of tunnel	51.00	320
Double bottom, if under Boilers only,	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Deep tank, forward, 1st 8. Wing tanks	15.75	280
Double bottom, forward,	208.50	828	Other tanks, if fitted, AT SIDES OF E.R. P.B.S.	21.00	330
Total length (if continuous) and Capacity	316.50	1283	(If necessary furnish further information by sketch.)		

Order for Special Survey No. 6143

Date 27. 6. 44

Dates of Surveys held while building

1944. Sep. 12. Nov. 1. 8. 13. 16. 20. 23. Dec. 10. 14. 17. 18. 20. 21. 22. 27. 1945. Jan. 10. 11. 17. 23. 31. Feb. 7. 9. 19. 21. 23. 24. 28. Mar. 1. 2. 5. 6. 7. 8. 9. 12. 13. 14. 15. 16. 19. 20. 21. 22. 23. 26. 27. 29. Apr. 4. 5. 6. 9. 11. 22. 24. 25. 26. 27. May 1. 3. 4. 7. 11. 14. 15. 17. 18. 23. 29. 31. June 1. 4. 5. 7. 8. 15. 27. 28. 29. July 1. 10. 17. Aug. 14. 20. 23. 24.

Total No. of Visits 86