

## STEEL STEAMER or MOTORSHIP.

Received at London Office 8 NOV 1928

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 6<sup>th</sup> November 1928 Port of Sunderland No. 29883.Survey held at Sunderland Date First Survey 16<sup>th</sup> March 1928 Last Survey 2<sup>nd</sup> November 1928

On the (State if Machinery fitted and if Single, Twin or Triple Screw) Single Screw Steamer "FARNDAL" RETAIN

State Type (Full Steamship, Complete Superstructure with or without Tonnage Openings) Complete S.S. with Tonnage Opening State Type of Erections Full on Shelter Deck

TONNAGE under Tonnage Deck... 3946.49 CLASS H100 A-1. 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 364.54

Launched 3rd Oct. 1928 Yard No. 280

Total

Breadth (greatest moulded) B 51.16

Builders Sir John Priestman &amp; Co

Gross Tonnage

4222.33

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

Owners The Morrison S.S. Co. Ltd.

Register Tonnage

2533.48

1st Longitudinal Number (L x D) = 12458

Managers

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

2nd Numeral L x (B + D) = 31408

Residence Newcastle-on-Tyne

## REGISTERED DIMENSIONS.

FEET.

Length

365.0

Breadth

51.5

Depth

25.1

Framing Depth "d," at middle of length. See Sec. 3 (1d) 23.4

Proportions—Depth to Length—Uppermost continuous deck to top of keel 10.41

Do. Long Bridge to top of keel

Draught Moulded 24'-5"

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>	BA. 6 3/2 35	
" " from 1/2 length to Collision bulkhead	24		" " Reversed Frame	BA. 6 3 35	
" " in peaks	24		" " Vertical Struts	9 x 3 1/2 x 3 1/2 38	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	41 54 10 44	
<b>Frame Amidships, Angle, E or [</b>	12 3/2 44		" " top Angle	5 5 50	
" " Extends up to	2nd Dk		" " bottom Angle	6 6 56	
<b>Reversed Frame Amidships, Angle</b>	Bulb		<b>Side Girders, No. each side and thickness</b>	One 40 x 50 as	
" " Extends up to	Angle Frames		<b>Margin Plate depth (excl. of flange) and thickness</b>	38 50	
<b>Depth of Framing Girder</b>	12'		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	3 1/2 3 1/2 42	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, E or [</b>	BA 6 1/2 3 1/2 40		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	3 1/2 3 1/2 42	
" " Second 'tween Decks, Angle, E or [	-		" " Gussets, spacing and scantling abaft 1/2 len. from stem	3 1/2 3 1/2 42	
" " Third " " " "	-		" " Gussets, spacing and scantling forward 1/2 len. from stem	3 1/2 3 1/2 42	
<b>Framing in Peaks, Angle or [</b>	BA 4 3 1/2 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 1" dia.		<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	Yes		<b>Breadth and thickness of Middle Line Strake</b>	45 48	
<b>PANTING ARRANGEMENTS (Sec. 7), state system and particulars</b>	Intercoastal stringers		<b>Thickness of remainder in Holds</b>	42 to 38	
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	Frame modulus increased.		<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 [</b>	6 1/2 3 34	
<b>Height of Brackets at side above base line at toe of frame</b>			" " in way of Bridge, Angle, E or [	30	
<b>Middle Line Keelson, on Floors, Angles, E or [</b>			<b>Second Deck, amidships, Angle, E or [</b>	6 1/2 3 34	
" " Through Plate or Intercoastal Plate			<b>Spacing</b>	30	
" " Foundation Plate on Floors			<b>Third Deck, amidships, Angle, E or [</b>		
" " Flat Plate Keel Angles			<b>Spacing</b>		
<b>Side Keelsons, No. each side</b>			<b>Fourth Deck, amidships, Angle, E or [</b>		
" " thickness of Intercoastal Plate			<b>Spacing</b>		
" " Angles			<b>Poop Deck, Angle, E or [</b>		
<b>DOUBLE BOTTOM.</b>			<b>Spacing</b>		
<b>Solid Floors, thickness and spacing</b>	34 24 30 40		<b>Bridge Deck, Angle, E or [</b>		
" " Are Frame and Reversed Frame joggled?	Yes		<b>Spacing</b>		
<b>Bracket Floors, breadth and thickness at middle line</b>	32 34		<b>Forecastle Deck, Angle, E or [</b>	8 1/2 3 1/2 48 8 1/2 x 3 x 48	
" " breadth and thickness at margin plate	28 34		<b>Spacing</b>	54 3 1/2 40 8 x 3 x 40	

## 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 @ 60			
" " " " "Quarter	6 3/2 46			
Quarter in Holds & Engine Space	6 x 6 x 62 1/2 58			
" " " " "Four Angles				
Centre Line Bulkhead. From BA	11 x 3 1/2 3 1/2 47 1/2			
Stiffeners and Spacing.....	4 1/2 3 1/2 46			
Plating, thickness of .....	30			
<b>STRINGERS AND DECKS.</b>				
<b>Uppermost Continuous Deck.</b>				
Stringer Plate, breadth and thickness in Wells	55 50			
" " " " "in way of Bridge	-			
" Angle in Wells .....	5 5 50			
Thickness of Plating abreast Deck openings in way of Wells	42 to 34			
Thickness of Plating abreast Deck openings in way of Bridge .....	-			
Thickness of Plating within line of openings...	36 to 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 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 .....	34			
Plating, Sheathing, material and thickness ...	30 2 1/2 Pine			

## SHELL PLATING.

SCANTLINGS.					RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	No.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing or to cr.	
	Inches.	Inches.	Inches.	Inches.					Inches.	Inches.	
FLAT PLATE KEEL .....	50	42	64	64		Double	7/8 3/3	Four	1	4	Lapped
" DBLG. (if any)	-	-	-	-		-	-	-	-	-	-
BOTTOM PLATING, No. of Strakes Four	4 1/2	55	48	48		Double	7/8 3/3	Three	7/8 3/3	Lapped	
BILGE PLATING, No. of Strakes One	48	55	48	48		-do-	-do-	-do-	-do-	-do-	-do-
SIDE PLATING, No. of Strakes One	4 1/2	55	46	46		-do-	-do-	-do-	-do-	-do-	-do-
UPPER DECK, Sheer-strake in Wells	41	64	46	46		-do-	-do-	Four	-do-	3/2	-do-
UPPER DECK, Sheer-strake in Bridge	-	-	-	-		-	-	-	-	-	-
STRAKE BELOW Sheer-strake in Wells	4 1/2	55	46	46		Double	7/8 3/3	Three	7/8 3/3	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.

Total No. of W.T. BULKHEADS in Vessel—		Six					
Extending to Upper Deck (Sec. 3 c)		One					
„	Deck next below	Five					
As per Rule		Six					
		STIFFENERS.					
		VERTICAL.		HORIZONTAL.			
		Plating Thickness.		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks		—	—	—	—	—	—
„	„ Second „	—	—	—	—	—	—
„	„ Third „	—	—	—	—	—	—
„	„ Holds .....	52-32 11 x 3 1/2 x 3 1/2		54 1/2	32	32	—
COLLISION	„ (in Hold) .....	53-36 9 x 3 1/2 x 40		24	S.B.B.	One	
AFTER PEAK	„ „ .....	34-30 9 x 3 1/2 x 44		25	SH Flat	One	

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar .....</b>	Flat Plate Keel			
<b>STEM .....</b>	Roller SHL 9 x 2 1/2			
<b>STERN FRAME</b> { Propeller Post .....	Cast 10 x 4 1/8		Otto	
{ Rudder " .....	Steel -		Gruson & Co.	
<b>RUDDER—A x D.....</b>	86-88 x 2-6 = 225-9			
<b>Speed of Vessel.....</b>	Not exceeding 10 knots.			
<b>RUDDER</b> mainpiece at head ...	Cast 4		Otto	
" " heel ...	Steel 4 3/8		Gruson & Co.	
" how constructed .....	Arms Shrink on.			Balanced
" double or single plate .....	Single 86 fitted in two			Reaction Rudder
" coupling, vertical or horizontal .....	Wood			Twin Patent

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth Process

Appleby Iron Co Ltd. Bolekow, Vaughan & Co Ltd. Cargo Fleet Iron Co Ltd. Conselt Iron Co Ltd. Frodingham 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. 31895										LETTER 2C	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.	
		Owts.	qrs.	lbs.	Owts.	qrs.	lbs.	Tons.	owts.	qrs.					lbs.
31547	1st Bower ...	53	3	21	-	-	-	44	15	0	0	53 3/3	3 yrs Improved Swivel	-	Sld. 13-10-28 J. H. Butler
31546	2nd " ...	53	3	14	-	-	-	44	13	3	0	53 3/3	" " "	-	Sld. 12-10-28 J. H. Butler
31548	3rd " ...	53	0	14	-	-	-	44	6	1	0	53 3/3	" " "	-	Sld. 13-10-28 J. H. Butler
	Collective weight.	160	3	21	-	-	-					160			
90229	Stream .....	15	1	4	3	3	22	16	16	2	7	15 ex stock	Ordinary	H. Huxley & Sons Ltd	N. 31-8-28 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.	Statutory.	Breaking.	Supplied.		Per Rule.		Length.	Diam.					Length.	Cir.		Length.	Cir.	
	Fathoms.	Ins.	Tons.	Tons.	Owts. qrs. lbs.		Owts.		Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.	
90128	135	2 1/8	8 1/4	113 3/4	306.2.22		304.1.14		270	2 1/8	Slud	H. Huxley & Sons Ltd	N. 31-8-28 H. Green	TOWLINE...	120	4 1/2	39	120	4 1/2	
90120	135	2 1/8	8 1/4	113 3/4	306.2.15		304.1.14				Slud	"	N. 31-8-28 H. Green	HAWSERS & WARPS }	4/90	2 1/2	12.5	4/90	2 1/2	
	270				613.1.9		608.3.0													
		Cir.								Cir.				"						
Iron Stream Chain or Steel Wire }	90	4 1/2		39					90	4 1/2	Gladwin & Robson Ltd, Sunderland			"						

Steering Gear, Steam John Lynn & Co. Steel Wire Ropes & Blocks operated  
Boats 2 Life 26-2: 2 Cutters 14-3' Steering Gear, Hand from winch. Brake, also fitted.  
Ceiling in Holds, thickness and material None except under hatches Cargo Batts, thickness, material and spacing 2" White Wood. 9" Spacing in holds only.  
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 20'-0" x 18'-0" No. 3 12'-6" x 19'-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 for Fore and Aft 4 to Nos. 1, 2 & 4: 1 to Nos. 3 & 6: 3 to No. 5.

Builder's Signature *James Huxley*

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 & Secretary's letters.  
The materials & workmanship are good.  
The freeboards have been verified & the marks cut in on the vessel's sides. The decks, bulkheads, peak tanks, double bottom tanks, tunnel, W.L. doors, pump, windlass & steering gear have been tested with satisfactory results.  
The approved plans are already in the London Office, these being forwarded with the First Entry Report on the sister ship "Frances Massey" (Sld. Rpt. No. 29514).  
Copies of the approved Midship Section, Profile and Decks (3 plans) are forwarded herewith, together with 3 forging certificates

The amount of Entry Fee ..... £ 8 : 0 : 0 Fees applied for, 1st Nov 1928  
Special Survey Fee .... £ 286 : 2 : 0 Received by me, 13-12-28  
Freeboard 9 : 3 : 4  
Travelling Expenses, if any £ 1 : 1 : 1  
State whether the Vessel has been built under Special Survey Yes  
Signature A. Urwin  
Surveyor to Lloyd's Register of Shipping.  
Certificate to be sent to SUNDERLAND. Date of issue 14/12/28

Committee's Minute TUE. 13 NOV 1928  
Character assigned + 100 A1 with freeboard  
Lloyd's arcp. Thine 11.28  
My

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 Vessels:— s.s. "Fernlea" (Sld. Rpt. No. 29202).  
s.s. "Frances Massey" (Sld. Rpt. No. 29514).  
s.s. "Westlea" (Sld. Rpt. No. 29859).  
s.s. "Barbara Marie" (Sld. Rpt. No. 29409).  
s.s. "Holmelea" (Sld. Report No. 29810).

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	31. 0. 12	M.B.	5775	13. 9. 28
	2nd "	31. 0. 23	M.B.	5769	13. 9. 28
	3rd "	30. 3. 24	K.H.	5668	21. 8. 28

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 35.0 (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 Dks (SRL).

Official No. 149482 ; Signal Letters Is bottom of Vessel coated with cement Yes if not gi particulars of composition ✓

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Cap.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	115.0	321		Fore peak tank,	20.0	125	
Double bottom, under Engines and Boilers,	34.5	144		After peak tank,	23.5	24	
Double bottom, if under Engines only,	-	-		Deep tank, aft,	-	-	
Double bottom, if under Boilers only,	-	-		Deep tank, forward,	-	-	
Double bottom, forward,	162.0	529		Other tanks, if fitted,	-	-	
	Total capacity of double bottom 994			(If necessary, furnish further information by sketch.)			

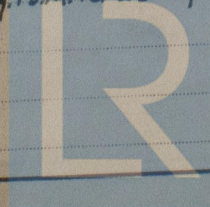
\* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 5670

Date 8. 3. 28

Dates of Surveys held while building

1928. Feb. 16. 20. 21. 23. 27. Apr. 2. 12. 17. 24. 27. May. 2. 9. 11. 15. 17. 21. 24. 25. 31. June. 11. 12. 15. 18. 21. July. 3. 9. 13. 16. 24. 30. Aug. 7. 9. 13. 14. 15. 23. 29. Sep. 5. 7. 12. 13. 17. 19. 24. 26. Oct. 1. 24. 26. 29. 31. Nov. 1. 2.



Total No. of Visits 5 (76) Wt.

Lloyd's Register Foundation