

## STEEL STEAMER or MOTORSHIP.

Received at London Office

14 APR 1943

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

22/3/1943

Port of

LIVERPOOL

No.

119301

Survey held at

Lytham

Date First Survey

October 10<sup>th</sup> /41

Last Survey

March 22<sup>nd</sup>

1943

On the

(State if Machinery fitted with or without Tonnage Openings)

Single screw steel vessel

"FRESHMERE"

State Type

(Full Scantling, Complete Superstructure with or without Tonnage Openings)

Full Scantling

State Type of Erections

Closed Forecastle

TONNAGE under Tonnage Deck

261.55

CLASS + 100 A1 For Admiralty Tender Service

State if with freeboard as condition of Class

FEET.

Built at

Lytham

Do. of space or spaces between Tonnage Dk. and Upper Dk.

✓

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a)

L 120

Launched 23-11-42 Yard No. 871

Total

✓

Breadth (greatest moulded)

B 24'-6"

Builders Lytham S.B. &amp; E. Co. Ltd.

Gross Tonnage

282.91

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 12'-6"

Owners The Admiralty

Register Tonnage

92.82

1st Longitudinal Number (L x D)

= 1496.4

Managers

✓

(Where necessary to be entered in Reg. Book)

2nd Numeral L x (B + D)

= 4429.3

Residence

✓

## REGISTERED DIMENSIONS.

FEET.

Length

121.20

Breadth

24.75

Depth

11.75

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

11.25

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

9.58

Do. Long Bridge to top of keel

✓

Draught Moulded

11'-2 1/8"

If surveyed while building, afloat, or in dry dock

Building, afloat, &amp; on slipway.

## 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	21"	✓			Bracket Floors, Frame	4"	3"	3 1/8"	✓
" " from 1/2 length amidships to Collision bulkhead	21"	✓			" " Reversed Frame	3 1/2"	2 1/2"	40"	✓
" " in peaks	21"	✓			" " Vertical Struts on side girders	3 1/2"	2 1/2"	40"	✓ & see plan
SIDE FRAMING.					Centre Girder, depth and thickness amidships	27"	32"		✓
Frame Amidships, Angle	5	3	34 (BR)	✓	" " top Angles	2 1/2"	2 1/2"	30"	✓
" " Extends up to	5	3	30 (ER)	✓	" " bottom Angles	3"	3"	34"	✓
Reversed Frame Amidships, Angle	2 1/2	2 1/2	38 (BR)	✓	Side Girders, No. each side and thickness	ONE	27"		✓
" " Extends up to	2 1/2	2 1/2	28 (ER)	✓	Margin Plate depth (excl. of flange) and thickness	19"	27"		✓
Depth of Framing Girder	5"				" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem				
Frames in Uppermost Continuous Deck	4	3	5 1/6	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area				
FW Tanks, Angle	5 1/2	3	30	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem				
" " Second Lower Deck, Angle	4	3	5 1/6	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area				
" " Third " " " "	4	3	5 1/6	✓	Tank Side Brackets, height above base line at toe of Frame and thickness				
" " from 1/2 len. for'd. to 15% len. from Stem	4	3	5 1/6	✓	BOTTOM PLATING. (Top of floors)				
" " in Peaks, Angle	4	3	5 1/6	✓	Breadth and thickness of Middle Line Strake	22"	29"		✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8	7 chars.		✓	Thickness of remainder in Holds				
State if Frame Joggled	No.			✓	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?				
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	As approved			✓	BEAMS.				
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	As approved			✓	Uppermost Continuous Deck, amidships	4"	3"	32"	✓
SINGLE BOTTOM.					" " in way of Bridge, Angle	5"	3"	34"	✓
Floors, Depth and thickness at mid-line in Holds, Engine Room, etc.	15"		32	✓	" " in way of Bridge, Angle	5"	3"	34"	✓
Height of Brackets at side above base line at toe of frame	15"		29	✓	" " Spacing	21"			✓
Middle Line Keelson, on Floors, Angles	4	3	44	✓	ER & BR Half beams	3 1/2"	2 1/2"	26"	✓
" " Through Plate or Intercoastal Plates			40	✓	Second Deck, amidships, Angle	5"	3"	30"	✓
" " Foundation Plate on Floors					Third Deck, amidships, Angle	5"	3"	30"	✓
" " Flat Plate Keel Angles	3 1/2	3 1/2	35	✓	" " Spacing	21"			✓
Side Keelsons, No. each side	ONE			✓	Fourth Deck, amidships, Angle				✓
" " thickness of Intercoastal Plate			36	✓	" " Spacing				✓
" " Angles	4	3	38	✓	Fifth Deck, Angle	4"	3"	32"	✓
DOUBLE BOTTOM.					" " Spacing	21"			✓
Solid Floors, thickness and spacing	27	26		✓	Bridge Deck, Angle				✓
" " Are Frame and Reversed Frame joggled?	No.			✓	" " Spacing				✓
Bracket Floors, breadth and thickness at middle line	20	26		✓	Forecastle Deck, Angle	4"	3"	32"	✓
" " breadth and thickness at margin plate	24	26		✓	" " Spacing	21"			✓



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>	ONE				
" in 'tween Decks, Size and Spacing.....	2 <sup>3</sup> / <sub>8</sub> " 42"	✓	Stringer Plate, breadth and thickness in way of Bridge <i>At cross space, for lower decks</i> ✓	✓	
" " " " " "			Thickness of Plating abreast Deck openings in way of Wells <i>Plating 24"</i>	30"	✓
" in Holds " " "	<i>see plan</i>		Thickness of Plating abreast Deck openings in way of Bridge	24"	✓
" " " " " "			Thickness of Plating within line of openings...	✓	
<b>Centre Line Bulkhead.</b>			If Sheathed, material and thickness	✓	
Stiffeners and Spacing.....	6" 3" 35"	✓	<b>Third Deck.</b>		
Plating, thickness of .....	42" 30"	✓	Stringer Plate, breadth and thickness.....	✓	
<b>STRINGERS AND DECKS.</b>			If Plated, state thickness.....	✓	
<b>Uppermost Continuous Deck.</b>			<b>Fourth Deck.</b>		
Stringer Plate, breadth and thickness in Wells	53" 38"	✓	Stringer Plate, breadth and thickness.....	✓	
" " " " in way of Bridge	✓		If Plated, state thickness	✓	
" Angle in Wells	3" 3" 32"	✓	<b>Poop Deck.</b>		
Thickness of Plating abreast Deck openings in way of Wells	28" 27" at ends.	✓	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...	28" 6-24" fore	✓	<b>Bridge Deck.</b>		
If Sheathed, material and thickness	1" ✓		Stringer Plate, breadth and thickness.....	✓	
<b>Second Deck.</b>			Plating, Sheathing, material and thickness	✓	
Stringer Plate, breadth and thickness in Wells...	✓		<b>Forecastle Deck.</b>		
			Stringer Plate, breadth and thickness.....	42" ✓	26" diagonal ✓
			Plating, Sheathing, material and thickness	26" ✓	" "

SCANTINGS.				RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>Yes.</i>			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if forged?	SINGLE OR DOUBLE.	RIVETS. Diam. Inches.	Spacing or to cr. Inches.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.							Diam. Inches.	Spacing or to cr. Inches.	
FLAT PLATE KEEL .....	37"	40"	36"	38"		Double	3/4"	3"		Treble Double ends	3/4"	2 5/8"	Strapped.
" DBLG. (if any)													
BOTTOM PLATING, No. of Strakes ..... 2 .....		30"	33"	27"		Double	5/8"	2 1/2"		Double	5/8"	2 1/4"	Lapped.
BILGE PLATING, No. of Strakes ..... 4 .....		30"	28"	27"		Double	5/8"	2 1/2"		Double	5/8"	2 1/4"	Lapped.
SIDE PLATING, No. of Strakes ..... 4 .....		30"	26"	28"		Double	5/8"	2 1/2"		Double	5/8"	2 1/4"	Lapped.
UPPER DECK, Sheer- strake <del>in</del> <i>Welds</i> .....	53"	32"	26"	28"		Double	5/8"	2 1/2"		Double	5/8"	2 1/4"	Lapped.
UPPER DECK, Sheer- strake in Bridge ...		✓											
STRAKE BELOW Sheer- strake <del>in</del> <i>Welds</i> .....		30"	26"	26"		Double	5/8"	2 1/2"		Double	5/8"	2 1/4"	Lapped.
STRAKE BELOW Sheer- strake in Bridge ...		✓											
POOP SIDE PLATING .....		✓											
BRIDGE SIDE PLATING ...		✓											
FOREC'TLE SIDE PLATING		24"				Single.	5/8"	2 1/2"		Single.	5/8"	2 1/4"	Lapped.

Total No. of W.T. BULKHEADS in Vessel—		9		8BH for record	
Extending to Upper Deck (Sec. 3 c)		8			
" Deck next below		1			
As per Rule		Hs approved.			
		STIFFENERS:			
Plating Thickness.		VERTICAL.		HORIZONTAL.	
Scantlings.		Spacing.		Scantlings. Spacing.	
Frame No.					
57		34" x 30" 5' 3" x 30" 24"		24"	
58		32" x 26" 14' 3" x 26" 24"		24"	
59		34" x 30" 6' 4" 3" x 30" 24"		24"	
60		38" x 26" 5' 3" x 30" 24"		24"	
61		34" x 30" 5' 4" 3" x 30" 24"		24"	
62		34" x 30" 6' 4" 3" x 30" 24"		24"	
63		34" x 30" 5' 3" x 30" 24"		24"	
64		34" x 30" 6' 4" 3" x 30" 24"		24"	
65		34" x 30" 5' 3" x 30" 24"		24"	
66		34" x 30" 6' 4" 3" x 30" 24"		24"	
67		34" x 30" 5' 3" x 30" 24"		24"	
68		34" x 30" 6' 4" 3" x 30" 24"		24"	
69		34" x 30" 5' 3" x 30" 24"		24"	
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87		34" x 30" 5' 3" x 30" 24"		24"	
88		34" x 30" 6' 4" 3" x 30" 24"		24"	
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90		34" x 30" 6' 4" 3" x 30" 24"		24"	
91		34" x 30" 5' 3" x 30" 24"		24"	
92		34" x 30" 6' 4" 3" x 30" 24"		24"	
93		34" x 30" 5' 3" x 30" 24"		24"	
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97		34" x 30" 5' 3" x 30" 24"		24"	
98		34" x 30" 6' 4" 3" x 30" 24"		24"	
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100		34" x 30" 6' 4" 3" x 30" 24"		24"	
101		34" x 30" 5' 3" x 30" 24"		24"	
102		34" x 30" 6' 4" 3" x 30" 24"		24"	
103		34" x 30" 5' 3" x 30" 24"		24"	
104		34" x 30" 6' 4" 3" x 30" 24"		24"	
105		34" x 30" 5' 3" x 30" 24"		24"	
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112		34" x 30" 6' 4" 3" x 30" 24"		24"	
113		34" x 30" 5' 3" x 30" 24"		24"	
114		34" x 30" 6' 4" 3" x 30" 24"		24"	
115		34" x 30" 5' 3" x 30" 24"		24"	
116		34" x 30" 6' 4" 3" x 30" 24"		24"	
117		34" x 30" 5' 3" x 30" 24"		24"	

[illegible][illegible]

Steering Gear, Type (Power or hand) Steam (Donkins No 7486) 4 1/2" 5" Alternative Means of Steering Combined steam & hand.

Steering Chains (Size and Test) 9 1/16" Short link Test 3-15-0-0 Windlass Steam, lifts 6" x 8" Clarke Boats Two 16'05" x 5'9" x 2'35" (13 persons)

Ceiling in Holds, thickness and material None. Cargo Battens, thickness, material and spacing None.

Cargo Hatchways.—(Upper Deck) ✓ Thickness of Hatches ✓ 2" Greenboard Plt  
Hatch to fore store Hatch to fore crew space

Size of Hatchways No. 1 (Fwd.) 3'0" x 2'0" No. 2 3'0" x 2'0" No. 3 3'0" x 2'0" No. 4 2'3" x 2'3" No. 5 2'6" x 3'0" No. 6

Number of Shifting Beams and/or Fore and Afters None.

THE LYTHAM SHIPBUILDING and  
ENGINEERING COMPANY, LIMITED  
R. Friedenthal

**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).*

This vessel has been built in accordance with the approved plans & instructions as per Secretary's letter & in conformity with the Society's Rules. The materials & workmanship are good. The fore & after peak tanks, forward & after fresh water tanks, & weather decks & bulkheads have been tested in accordance with Rule requirements & found satisfactory.

Windlass, steering gear & pumps tested & found satisfactory.

The amount of Entry Fee ..... £ 3 : 0 : 0 } Fees applied for, 2 APR 1943

Special Survey Fee.... £ 28 : 6 : 0 } Received by me, ADMIRALTY

Freight 4 : 0 : 0 } I am of opinion the Vessel should be Classed + 100 A 1

Travelling Expenses, if any £ 16 : 10 : 6 } 19. 45c. Transferred from 1 APR 43

Superintendent of Surveys 58. London

For Admiralty Tender Services.

State whether the Vessel has been built under Special Survey. Yes. Signature Harry S. Norton.

Surveyor to Lloyd's Register of Shipping.

Committee's Minute  
Character assigned

LIVERPOOL 13 APR 1943  
Transmit to London  
+ 100 A1  
For Admiralty Tender Service  
Lloyd's Reg. Co. + 100 3.47  
FD OG  
Wright



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.)

Liverpool Reports No 117763, 118227 & 118715 (Freshbrook, Freshener, & Freshlake) Similar vessels.

The following list of approved plans (duplicate copies of which are in the London office) have been retained in this office for reference in dealing with sister vessels now under construction at the same yard.

Midships Section  
Profile & Decks  
Shell Expansion  
Bulkheads  
Engine Section  
Rudder, stern post & stem.  
General Arrangement & Rig.  
Rigging  
Mast & details.

Forging reports forwarded herewith: Stern Frame  
Rudder stock & main piece  
Tiller.

PARTICULARS OF ELECTRIC WELDING (if employed)

Deck plating in lower deck accommodation (forward & aft) & minor fittings.

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

+ 100 A1 For Admiralty Tender Services.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	6 $\frac{1}{4}$ cwt, Admiralty Test, W Gale	3/10/1942, 1755, R & T 29ABC.
	2nd "	6 $\frac{1}{4}$ " " " "	3/10/1942, 1758, R & T 29A(1)C.
	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. Signal Letters Extreme Breadth over Belting 25'-5 $\frac{1}{2}$ " Over-all Length 126'-6"

No. and Material of Decks

Parts of Bottom of Vessel coated with cement or approved composition Engine & boiler rooms & fore & after spaces coated with Blake's red Mica composition (Admiralty Specification)

Particulars of composition (if fitted) and of approval Upper deck covered with Duralastic composition (Admiralty Specification)

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. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	7'-0"	16 $\frac{1}{2}$ ✓
Double bottom, under Engines and Boilers,			After peak tank,	7'-0"	17 $\frac{1}{2}$ ✓
Double bottom, if under Engines only,			Deep tank, aft, No 1 F.W. tank ✓	10'-6"	88 ✓
Double bottom, if under Boilers only,			Deep tank, forward, " 2 " "	12'-3"	102 ✓
Double bottom, forward,			Other tanks, if fitted, " 3 " "	7'-0"	46 ✓
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 1342

Date

12/9/41.

Dates of Surveys held while building

1941 Oct 10, Dec 23, 1942 Jan 2, Apr 30, May 8, June 5, July 22, 31, Aug 7, 21, 31, Sept 18, 23, 25, Oct 2, 8, 16, 23, Nov 12, 14, 17, 23, Dec 4, 11, 18, 23, 30, 1943 Jan 21, 28, Feb 5, 10, 19, 25, Mar 5, 11, 17, 18, 20, 22.

Total No. of Visits 39.