

Rpt. 1

## STEEL STEAMER OR MOTORSHIP.

DISCLOSED  
SECTION.260  
Received at London Office 6 FEB 1946

11 FEB 1946

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

Date of completion of report

Port of LiverpoolNo. 123669Survey held at LythamDate First Survey 10<sup>th</sup> March/45Last Survey 22<sup>nd</sup> Decr/ 1945

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

Single screw steel vessel "FRESHFORD"

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

Full 5-cantling

State Type of Erections

closed fore-castle

TONNAGE under Tonnage Deck

261.55

CLASS

Admiralty Tender ServicesState if with freeboard as condition of Class ✓

FEET

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 120.00

Breadth (greatest moulded)

B 24.50

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

D 12.50

1st Longitudinal Number (L x D)

1496.40

2nd Numeral L x (B + D)

4429.30

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"

Built at

Lytham

Launched

28/8/45Yard No. 878

Builders

Lytham S. B. & E. Co. Ltd.

Owners

The Admiralty

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry

London

If surveyed while building, afloat, or in dry dock

Building, afloat, 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 3/8	✓
" " from 1/2 length amidships to Collision bulkhead	21	✓	" " Reversed Frame	3 1/2 2 1/2 40	✓
" " in peaks	21	✓	" " Vertical Struts	3 1/2 2 1/2 40	✓ see plan
SIDE FRAMING.			Centre Girder, depth and thickness amidships	27 x 32	✓
Frame Amidships, Angle, <u>E or F</u>	5 3 34 BR	✓	" " top Angles	2 1/2 2 1/2 30	✓
" " Extends up to	Deck	✓	" " bottom Angles	3 3 34	✓
Reversed Frame Amidships, Angle	2 1/2 2 1/2 38 BR	✓	Side Girders, No. each side and thickness	27	✓
" " Extends up to	2 1/2 2 1/2 28 ER	✓	Margin Plate depth (excl. of flange) and thickness	19 x 27	✓
" " across floors		✓	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		
Depth of Framing Girder	5	✓	" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		
Frames in Uppermost Continuous 'tween	4 3 5/16	✓	" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Angle, <u>E or F</u>	5 1/2 3 30 BA	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
" " Second 'tween Decks, Angle, <u>E or F</u>	4 3 5/16	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		
" " 1st 3rd 4th 5th 6th 7th 8th 9th 10th 11th 12th 13th 14th 15th 16th 17th 18th 19th 20th 21st 22nd 23rd 24th 25th 26th 27th 28th 29th 30th 31st 32nd 33rd 34th 35th 36th 37th 38th 39th 40th 41st 42nd 43rd 44th 45th 46th 47th 48th 49th 50th 51st 52nd 53rd 54th 55th 56th 57th 58th 59th 60th 61st 62nd 63rd 64th 65th 66th 67th 68th 69th 70th 71st 72nd 73rd 74th 75th 76th 77th 78th 79th 80th 81st 82nd 83rd 84th 85th 86th 87th 88th 89th 90th 91st 92nd 93rd 94th 95th 96th 97th 98th 99th 100th			INNER BOTTOM PLATING. (Top of floors)		
" " Third			Breadth and thickness of Middle Line Strake	22 x 29	✓
" " from 1/2 len. for'd. to 15% len. from Stem	4 3 5/16	✓	Thickness of remainder in Holds		
" " in Peaks, Angle <u>E or F</u>			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?		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 @ 7 dia.	✓	BEAMS.		
State if Frame Joggled	No	✓	Uppermost Continuous Deck, amidships in Fore-castle	4 3 32	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	As approved	✓	" " in way of Bridge, Angle, <u>E or F</u>	5 3 34	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	As approved	✓	" " Spacing	21	✓
SINGLE BOTTOM.			ER & BR half beams	3 1/2 2 1/2 26	✓
Floors, Depth and thickness at mid-line in Holds, Engine Room, etc.	15 x 32	✓	Second Deck, amidships, Angle, <u>E or F</u>	5 3 30	✓
" " Height of Brackets at side above base line at toe of frame	15 x 38	✓	" " Spacing	42	✓
" " Height of Brackets at side above base line at toe of frame	15 x 28	✓	Officers 17 cc. aft	5 3 30	✓
Middle Line Keelson, on Floors, Angles	4 3 44	✓	Third Deck, amidships, Angle, <u>E or F</u>		
" " Through Plate or Inter-castal Plate	40	✓	" " Spacing	21	✓
" " Foundation Plate on Floors			Fourth Deck, amidships, Angle, <u>E or F</u>		
" " Flat Plate Keel Angles	3 1/2 3 1/2 35	✓	" " Spacing		
Side Keelsons, No. each side	2	✓	Reop Deck, Angle, <u>E or F</u>	4 3 32	✓
" " thickness of Inter-castal Plate	36	✓	" " Spacing	21	✓
" " Angles	4 3 38	✓	Bridge Deck, Angle, <u>E or F</u>		
DOUBLE BOTTOM.			" " Spacing		
Solid Floors, thickness and spacing	27 x 26 alternate	✓	Fore-castle Deck, Angle, <u>E or F</u>	4 3 32	✓
" " Are Frame and Reversed Frame joggled?	No	✓	" " Spacing	21	✓
Bracket Floors, breadth and thickness at middle line	20 x 26	✓			
" " breadth and thickness at margin plate	24 x 26	✓			

(MADE IN ENGLAND.)

006857-006867-00054



## 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 ✓			Stringer Plate, breadth and thickness in way of Bridge .....	✓		
„ in 'tween Decks, Size and Spacing .....	2 3/8 x 42 ✓			Thickness of Plating abreast Deck openings in way of Wells <i>Plating Space</i> ✓	30 ✓		
„ „ „ „ „	✓			Thickness of Plating abreast Deck openings in way of Bridge <i>Plating Space</i> ✓	24 ✓		
„ in Holds „ „ „	✓			Thickness of Plating within line of openings...	✓		
„ „ „ „ „	✓			If Sheathed, material and thickness.....	✓		
<b>Centre Line Bulkhead.</b>				<b>Third Deck.</b>			
Stiffeners and Spacing .....	6 3 35 ✓			Stringer Plate, breadth and thickness.....	✓		
Plating, thickness of .....	42 ✓ <i>.30 cu plan &amp; outer vessels</i>			If Plated, state thickness .....	✓ ✓		
<b>STRINGERS AND DECKS.</b>				<b>Fourth Deck.</b>			
<b>Uppermost Continuous Deck.</b>				Stringer Plate, breadth and thickness.....	✓		
Stringer Plate, breadth and thickness in Wells	53 x 38 ✓			If Plated, state thickness.....	✓		
„ „ „ „ in way of Bridge	✓			<b>Poop Deck.</b>			
„ Angle in Wells .....	3 3 32 ✓ <i>.27 to ends</i>			Stringer Plate, breadth and thickness.....	✓		
Thickness of Plating abreast Deck openings } <del>in way of Wells</del> .....	28 ✓			Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating abreast Deck openings } in way of Bridge.....	✓			<b>Bridge Deck.</b>			
Thickness of Plating within line of openings... <i>Durastic composition</i>	28 x 24 for ✓			Stringer Plate, breadth and thickness.....	✓		
If Sheathed, material and thickness.....	1" ✓			Plating, Sheathing, material and thickness ...	✓		
<b>Second Deck.</b>				<b>Forecastle Deck.</b>			
Stringer Plate, breadth and thickness in Wells	✓			Stringer Plate, breadth and thickness.....	42 x 26 chequer		
				Plating, Sheathing, material and thickness...	26 "chequer"		

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.	
Flat Plate Keel.....	37	.40	.36	.38		Double	3/4	3	Treble	Double at 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 ..... 1		.30	.28	.27		Double	5/8	2 1/2	Double	5/8	2 1/4	Lapped	
Side Plating, No. of Strakes ..... 1		.30	.26	.28		Double	5/8	2 1/2	Double	5/8	2 1/4	Lapped	
Upper Deck, Sheer- strake in Wells.....	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 in Wells.....		.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.....			✓										
Forecastle Side Plating			.24			Single	5/8	2 1/2	Single	5/8	2 1/4	Lapped.	

## WATERTIGHT BULKHEADS.

Total No. of WT. BULKHEADS in Vessel— 9  
Extending to Upper Deck (Sec. 3 c) 8 ✓  
,, Deck next below 1  
As per Rule 175 approved.

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	Roller bar	5 1/2 x 1 1/8	Consell	
STEM	W. 1	5 1/2 x 2 3/4	Lytham	
STERN FRAME	Propeller Post			
	Rudder			
Speed of Vessel		Under 12 knots.		
RUDDER—Type		Double plate semi balanced		
A x D		37.13	9	
Diam. of head		4 1/4	6	
Mainpiece at top pintle		4 1/16	17	
heel		3 1/4	5.50	
how constructed		Plated	Lytham	
double or single plate coupling, vertical or horizontal		Double Horizontal	Lytham	

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
		57. 34 $\frac{1}{2}$ x .30	5 x 3 x .30	24		
MIDSHIP	BULKH'D, Upper 'tween decks	9. 32 $\frac{1}{2}$ x .26	4 x 3 x .30	24		
		53. 34 $\frac{1}{2}$ x .30	6 x 3 x .43 BA	24		
"	Second	42. 38 $\frac{1}{2}$ x .26	5 $\frac{1}{2}$ x 3 x .30 BA	24		
"		17. 36 $\frac{1}{2}$ x .30	5 x 3 x .30	24		
"	Third	23. 34 $\frac{1}{2}$ x .30	6 x 3 x .43 BA	24		
"	Holds	30. 36 $\frac{1}{2}$ x .30	6 x 3 x .30 BA	24		
			6 x 3 x .32 BA	24		
COLLISION	(in Hold)	4. 34 $\frac{1}{2}$ x .28	5 x 3 x .32	24		
			5 x 3 x .30			
AFTER PEAK		64. 28 $\frac{1}{2}$ x .60	4 x 3 x .30	24		

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)  
Consett Iron Co. Ld. Consett (Siemens Martin Open Hearth) ✓  
Has the Steel been tested as required by the Rules? -/es. ✓



EQUIPMENT (No. <i>As appd.</i> )												LETTER	ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, <del>ET</del> 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.	Cwts.				
<i>47029</i>	1st Bower	<i>10</i>	<i>0</i>	<i>24</i>	<i>✓</i>			<i>12</i>	<i>4</i>	<i>1</i>	<i>14</i>	<i>✓</i>	<i>10</i>	<i>Byes Admiralty Pattern</i>	<i>W.L. Bors</i>	<i>Sunderland 22/1/45</i>
<i>48319</i>	2nd "	<i>10</i>	<i>0</i>	<i>19</i>	<i>✓</i>			<i>12</i>	<i>4</i>	<i>1</i>	<i>14</i>	<i>✓</i>	<i>10</i>	<i>Cast Steel, Horden</i>	<i>F.W. Dorey</i>	<i>Sunderland 13/8/45</i>
	3rd "													<i>— do —</i>	<i>— do —</i>	<i>F.W. Dorey</i>
	Collective weight															
	Stream															

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.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.
23254	115 <sup>3</sup> / <sub>8</sub>	1	18.00	27.00	65	1	1		125	1	Slack link	Not stated.	Grady Heath 20/11/45	TOWLINE	120	5			
23255A	15.	1	18.00	27.00	8	1	6				do	do	do	HAWSERS & WARPS	113	4 <sup>1</sup> / <sub>2</sub>			
	33 <sup>3</sup> / <sub>8</sub>														113	3			
		Clr.								Clr.					226	2 <sup>1</sup> / <sub>2</sub>			
Iron Stream Chain or Steel Wire }																			

Steering Gear, Type (Power or hand) *Donkin (Steam) 4 1/2 x 5* Alternative Means of Steering *Combined steam & hand.*

Steering Chains (Size and Test) *9/16 short chain* Windlass *Steam (Gunnell & Fenn)* *1 @ 15.95 x 5.85 x 2.40*  
*Test 3-15-0-0* *7" x 8"* Boats *1 @ 15.95 x 5.85 x 2.40*

Ceiling in Holds, thickness and material *None* Cargo Battens, thickness, material and spacing *✓*

Cargo Hatchways.—(Upper Deck) Thickness of Hatches *Hatch to fore side Hatch to fore cross 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.*

Builder's Signature *K. J. Freudenrich* THE LYTHAM SHIPBUILDING and ENGINEERING COMPANY, LIMITED

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 conformity with the Society's rules & regulations & the Secretary's orders. The scantlings & arrangements are in accordance with or equivalent to those shown on the approved plans. The workmanship & materials are good & the fore peak tank, aft peak tank, forward & after fresh water tanks, weather decks, & bulkheads are been tested in accordance with the Rule requirements & found satisfactory. ✓*  
*In class, steering gear & pumps tested & found satisfactory. ✓*

The amount of Entry Fee..... £ : : *31 JAN 1946* Fees applied for, (Special notations, where part of class, to be stated.)  
 Special Survey Fee..... £ *85:0:0* Received by me, *Inclusive*  
 Travelling Expenses, if any ..... £ *25:11:4*

I am of opinion the Vessel should be Classed *+100A1* For Admiralty Tender services.  
 State whether the Vessel has been built under Special Survey *Yes.* Signature *Harry S. Newton*  
 Surveyor to Lloyd's Register of Shipping.

Committee's Minute *LIVERPOOL - 5 FEB 1946* Date of issue *15/3/46*  
 Character assigned *Transmit to London* *FRI. 22 FEB 1946*  
*+100A1 For Admiralty Tender Services*  
*12,45 Lytham*  
*Lloyd's A & C.P. + LMC 12,45*  
*F.D. O.G.*



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 RPL No 121446 (RFA Freshford) sister vessel.  
The approved plans (duplicates of which are in the London office) have been retained for reference in dealing with sister vessels now under construction in the same yard.

Forging reports forwarded herewith for Stem 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 cwt 3 qrs 4 lbs	M B	6451	18/1/45
2nd "	6 cwt 2 qrs 1 lb	M B	486	11/8/45.
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 1/2" Over-all Length 126'-6"

No. and Material of Decks One (Steel)

Parts of Bottom of Vessel coated with cement or approved composition Engine & boiler rooms & fore & after spaces coated with Blake's Red Highgrade Composition (Admiralty specification)

Particulars of composition (if fitted) and of approval Upper deck covered with Dux's 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 1/2
Double bottom, under Engines and Boilers,			After peak tank,	7'-0"	17 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. 1358

Date 22/12/44

Dates of Surveys held while building

10/3/45 to 22/12/45



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Total No. of Visits 56