

## STEEL STEAMER or MOTORSHIP

Received at London Office

MAY 25 1937

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 *21<sup>st</sup> May 1937*Port of *Sunderland*No. *32094*Survey held at *Sunderland*Date First Survey *9<sup>th</sup> Nov. 1936*Last Survey *10<sup>th</sup> May 1937*

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

*S.S. "LOCH DEE" Single Screw*

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

*Complete Superstructure with Tonnage Opening*State Type of Erections *C.S.S.*TONNAGE under Tonnage Deck... *4756.40*CLASS *+ 100 A1*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 409.0*Launched *31<sup>st</sup> March 1937* Yard No. *578*

Breadth (greatest moulded)

*B 58.5*Builders *Messrs. J. L. Thompson & Son Ltd.*

Total

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

*D 38.58*Owners *Messrs. MacLay & Intyre Ltd.*Gross Tonnage *5251.80*1st Longitudinal Number (L x D) = *15030*Managers *✓*

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

Register Tonnage *2978.13*2nd Numeral L x (B + D) = *38955*Residence *✓*

REGISTERED DIMENSIONS. FEET.

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

*26.33*Port of Registry *GLASGOW.*

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

*10.60*

If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top of keel

Draught Moulded *25'9"**Yes*

## 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.
MES, Spacing amidships	30	✓	Bracket Floors, Frame	6x3 1/2 x 38 6/8	✓
" from 3/8 length to Collision bulkhead	27	✓	" " Reversed Frame	5 1/2 x 3 x 38 6/8	✓
" in peaks	24	✓	" " Vertical Struts	8 x 3 1/2 x 3 1/2 x 42 ch	✓
FRAMING.			Centre Girder, depth and thickness amidships	43 1/2 x 54	✓
Frame Amidships, Angle, [ or X	12 x 4 x 4 x 66/160	✓	" " top Angles	3 1/2 x 3 1/2 x 48	✓
" " Extends up to	2 <sup>nd</sup> Deck	✓	" " bottom Angles	4 1/2 x 4 1/2 x 54	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One 38	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	40 1/2 x 54	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	5 x 5 x 45	✓
Frames in Uppermost Continuous 'tween Decks, Angle, [ or X	8 x 3 1/2 x 35	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6 x 6 x 45	✓
" " Second 'tween Decks, Angle, [ or X	✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	10 x 4 1/2 fl. welded	
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/4 len. from stem	18 x 4 1/2 fl. welded	
Framing in Peaks, Angle or [	8 x 3 1/2 x 35	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	44 1/2 x 45	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5 3/4	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes	✓	Breadth and thickness of Middle Line Strake	60 x 51	✓
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	In Peak 3 stringers 36 x 34 Beams 10 x 3 1/2 x 54 6/8 d.t. In Hold Side plate 58 Frames 15 x 4 x 4 x 46 1/2 d. 4 girders each side Frame bottom 5 x 5 x 45 Bottom shell 6.5 from 1/2 L to collision bulk.	✓	Thickness of remainder in Holds	43	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars			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	✓
DOUBLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships in Walls, Angle, [ or X	10 x 3 1/2 x 40 + as app <sup>d</sup>	✓
" Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, [ or X	✓	
Middle Line Keelson, on Floors, Angles, [ or X	✓		Spacing	30	✓
" " Through Plate or Intercoastal Plate	✓		Second Deck, amidships, Angle, [ or X	12 x 3 1/2 x 3 1/2 x 60 + as app <sup>d</sup>	✓
" " Foundation Plate on Floors	✓		Spacing	30	✓
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, [ or X	✓	
Number of Keelsons, No. each side	✓		Spacing	✓	
" thickness of Intercoastal Plate	✓		Fourth Deck, amidships, Angle, [ or X	✓	
" Angles	✓		Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, [ or X	✓	
Solid Floors, thickness and spacing	40 every 3 <sup>rd</sup>	✓	Spacing	✓	
" " Are Frame and Reversed Frame joggled?	Yes	✓	Bridge Deck, Angle, [ or X	✓	
Bracket Floors, breadth and thickness at middle line	33 40	✓	Spacing	✓	
" " breadth and thickness at margin plate	40	✓	Forecastle Deck, Angle, [ or X	9 x 3 1/2 x 42 + as app <sup>d</sup>	✓
			Spacing	24	✓



## 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</b> , No. of Rows.....	✓		Stringer Plate, breadth and thickness in way of <del>Bridge</del> <i>Casings</i> .....	48 x 40	✓
„ in 'tween Decks, Size and Spacing.....	✓		Thickness of Plating abreast Deck openings in way of Wells.....	38	✓
„ „ „ „ „	✓		Thickness of Plating abreast Deck openings in way of <del>Bridge</del> <i>Casings</i> .....	36	✓
„ in Holds „ „	✓		Thickness of Plating within line of openings.....	34	✓
„ „ „ „ „	✓		If Sheathed, material and thickness.....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	11" x 3 1/2" x 54 B.A. 9 a. aft 5'-0" apart ✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of.....	30	✓	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	60 x 58	✓	If Plated, state thickness.....	✓	
„ „ „ „ in way of Bridge	✓		<b>Poop Deck.</b>		
„ Angle in Wells.....	6 x 6 x 62	✓	Stringer Plate, breadth and thickness.....	✓	
Thickness of Plating abreast Deck openings in way of Wells.....	50	✓	Plating, Sheathing, material and thickness...	✓	
Thickness of Plating abreast Deck openings in way of <del>Bridge</del> <i>Casings</i> .....	46	✓	<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	39	✓	Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness.....	✓		Plating, Sheathing, material and thickness...	✓	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in <del>Wells</del> <i>Latches</i>	48 x 45	✓	Stringer Plate, breadth and thickness.....	35 x 36	✓
			Plating, <del>Sheathing</del> , material and thickness...	34	✓

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <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 .....	<i>52</i>	<i>.78</i> ✓	<i>.68</i>	<i>.68</i>		<i>double</i>	<i>7/8</i>	<i>3 1/3</i>	<i>4</i>	<i>1</i>	<i>4</i> ✓ <i>lapped</i>	
„ DBLG. (if any)	✓					✓			✓			
BOTTOM PLATING, No. } of Strakes <i>A, B, C...</i>		<i>.59</i> ✓	<i>.65</i> ✓	<i>.50</i> ✓		<i>double</i>	<i>7/8</i>	<i>3 1/3</i>	<i>3</i>	<i>7/8</i>	<i>3 1/8</i> ✓ <i>lapped</i>	
BILGE PLATING, No. of } Strakes <i>D, E, ...</i>		<i>.59</i> ✓	<i>.58</i> ✓	<i>.50</i> ✓		<i>double</i>	<i>7/8</i>	<i>3 1/3</i>	<i>3</i>	<i>7/8</i>	<i>3 1/8</i> ✓ <i>lapped</i>	
SIDE PLATING, No. of } Strakes <i>F, G, H, ...</i>		<i>.59</i> ✓	<i>.46</i>	<i>.46</i> ✓		<i>double</i>	<i>7/8</i>	<i>3 1/3</i>	<i>3</i>	<i>7/8</i>	<i>3 1/8</i> ✓ <i>lapped</i>	
UPPER DECK, Sheer- } strake in Wells.....		<i>.67</i> ✓	<i>.46</i>	<i>.46</i> ✓		<i>double</i>	<i>7/8</i>	<i>3 1/3</i>	<i>4</i>	<i>7/8</i>	<i>3 1/2</i> ✓ <i>lapped</i>	
UPPER DECK, Sheer- } strake in Bridge ...												
STRAKE BELOW Sheer- } strake in Wells.....		<i>.60</i> ✓	<i>.46</i>	<i>.46</i>		<i>double</i>	<i>7/8</i>	<i>3 1/3</i>	<i>3</i>	<i>7/8</i>	<i>3 1/8</i> ✓ <i>lapped</i>	
STRAKE BELOW Sheer- } strake in Bridge ...												
POOP SIDE PLATING .....												
BRIDGE SIDE PLATING ...												
FOREC'TLE SIDE PLATING			<i>.42</i> ✓			<i>single</i>	<i>3/4</i>	<i>3</i>	<i>1</i>	<i>3/4</i>	<i>2 5/8</i> ✓ <i>lapped</i>	

## WATERTIGHT BULKHEADS.

## FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.		Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c)						1	✓			
" Deck next below						5	✓			
As per Rule						7 (see letter enclosed)				
						STIFFENERS.				
						Plating Thickness.	VERTICAL.		HORIZONTAL.	
							Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks						✓				
" " Second "						✓				
" " Third "						✓				
" " Holds						✓	40-26	12x3½	45 BA	30" ✓ ✓
COLLISION " (in Hold)						✓	47-30	9x3½	38 BA	24" d. str. plate stringer
AFTER PEAK " "						✓	50-30	8x3½	46 BA	24" recess top 2 & 5. 4 stringer
KEEL, Bar										
STEM							rolled steel	9 1/4 x 2 1/2	Langley's	
STERN FRAME						Propeller Post	cast	12 x 13 1/2	des. Acierres	3/4 A
							Rudder	10 1/2 x 8	Sunderland	4 x 6
Speed of Vessel								10 1/2 knots		
RUDDER—Type										
" A x D								32 1/4	✓	
" Diam. of head								9"	✓	
" Mainpiece at top pintle								12 1/2"	✓	
" " heel								9 1/2"	✓	
" how constructed								4 arms all welded plate		
" double or single plate								double .46	✓	no rivets
" coupling, vertical or horizontal								horizontal		2020

## STEEL.

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

Lozman Long, Counsel  
Lanarkshire Steel Co.

Has the Steel been tested as required by the Rules?

Yes ✓

Open Heart

*Fred,*  
Lloyd's Register  
Foundation







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.)

Vessel placed in dry dock, bottom and rudder cleaned, examined, and coated. ✓  
The following plans as built are enclosed: — Midship Section, Profile, Decks.

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

*Crucial Stern* "on intermediate BH dispensed with"  
*Rudder electrically welded.* No

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

including pin	1st Bower	44 0 0 ✓	J.D.	1073	27.4.36
	2nd "	44 2 14 ✓	W.H.	6138	24.12.36
	3rd "	38 1 7 ✓	W.H.	6110	18.12.36

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ✓ ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 31.375 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

No. and Material of Decks 1 Deck (Steel) and Shelter Deck (Steel)

Official No. 164122 ; Signal Letters

Is bottom of vessel coated with cement 4 ✓ 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,	65	205	Fore peak tank,	26.0	255
Double bottom, under Engines and Boilers,	42.5	134	After peak tank,	18.0	187
Double bottom, if under Engines only,			Deep tank, aft,	65.0	355
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
	183.75	622	(If necessary, furnish further information by sketch.)		
	291.25	1011			

\* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. 5825

Date 27.8.36

Dates of Surveys held while building

1936 Jan. 9, 11, 13, 25 Dec. 1, 3, 4, 8, 10, 15, 16, 17, 22, 1937 Jan. 4, 5, 6, 12, 13, 15, 18, 19, 20, 21, 25, 27, 28, 29 Feb. 2, 3, 5, 9, 10, 12, 15, 19, 22, 23, 24, 26 Mar. 1, 2, 3, 5, 8, 9, 10, 11, 16, 17, 19, 22, 23, 31, Apr. 2, 6, 9, 13, 23, 26, 28, 29 May 4, 5, 6, 7, 8, 10

Total No. of Visits 67