

STEEL STEAMER or MOTORSHIP.

Received at London Office 1111-3 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

8 July 1937

Port of *Sunderland*

No. 32132

Survey held at

Sunderland

Date First Survey

16 Dec 36

Last Survey

1st July

1937

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

S.S. "LOCH DON" 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 A.I.

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 *10th May 1937* Yard No. *580*

Breadth (greatest moulded)

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

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.*

Total

Gross Tonnage

5248.94

Register Tonnage

*2976.61*1st Longitudinal Number (L x D) = *15030*2nd Numeral L x (B + D) = *38955*

Managers

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

REGISTERED DIMENSIONS. FEET.

Length

420.00

Breadth

58.90

Depth

26.40

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

26.33

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

10.60

Do. Long Bridge to top of keel

Draught Moulded

25'9"

Residence

Port of Registry *Glasgow*

If surveyed while building, afloat, or in dry dock

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.
FRAMES, Spacing amidships	30		Bracket Floors, Frame	7'3 1/2" x 35 BA	aff'd
" " from 3/8 length to Collision bulkhead	27		" " Reversed Frame	5 1/2" x 38 BA	
" " in peaks	24		" " Vertical Struts	8'3 1/2" x 3 1/2" x 42 ch	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/2" x 54	
Frame Amidships, Angle, [or X	12'4" x 4" x 66	aff'd	" " top Angles	3 1/2" x 3 1/2" x 48	
" " Extends up to	2nd 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	5'5" x 45	
Frames in Uppermost Continuous 'tween Decks, Angle, [or X	8'3 1/2" x 35		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6'6" x 45	
" " Second 'tween Decks, Angle, [or X			" " Gussets, spacing and scantling abaft 1/4 len. from stem	10' x 42 fl. welded	
" " Third " " " "			" " Gussets, spacing and scantling forward 1/4 len. from stem	18' x 42 fl. welded	
Framing in Peaks, Angle or [8'3 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	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	In Peaks 3' x 3/4" x 36' x 34' In Hold 2' x 3/4" x 54' x 82' In Side shell 15' x 4' x 44' x 62' ch		Thickness of remainder in Holds	43	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	4 girders and side frame bottom 5'5" x 45 Bottom shell .65 from 1/2 L to collision bulk		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.	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or X	10' x 3 1/2" x 40	yes, aff'd
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 Intercostal Plate			Second Deck, amidships, Angle, [or X	12' x 3 1/2" x 3 1/2" x 60	yes, aff'd
" " Foundation Plate on Floors			Spacing	30	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or X		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or X		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or X		
Solid Floors, thickness and spacing	40 every 3'		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	yes, aff'd
			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.
PILLARS , No. of Rows.....	✓		Stringer Plate, breadth and thickness in way of Bridge <i>Casings</i>	48 × 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 Bridge	36	✓
„ in Holds „ „	✓		Thickness of Plating within line of openings...	34	✓
„ „ „ „ „	✓		If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	11 × 3½ × 54 B.A. 9 20 app ^d 5-0" apart. ✓		Stringer Plate, breadth and thickness.....	✓	
Plating, thickness of	30	✓	If Plated, state thickness.....	✓	
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	✓	
Stringer Plate, breadth and thickness in Wells	60 × 58	✓	If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	✓		Poop Deck.		
„ Angle in Wells	6 × 6 × 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 Bridge <i>Casings</i>	46	✓	Bridge Deck.		
Thickness of Plating within line of openings...	39	✓	Stringer Plate, breadth and thickness.....	✓	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ..	✓	
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells <i>way of Hatch</i> ...	48 × 45	✓	Stringer Plate, breadth and thickness.....	35 × 36	✓
			Plating, Sheathing material and thickness ..	34	✓

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.		Diam.	Spacing cr. to cr.	
	Inches.	Inches.	Inches.	Inches.				Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	52	78	68	68			double	7/8	3 1/3	4	1	4	Lapped	
„ DBLG. (if any)	✓						✓			✓				
BOTTOM PLATING, No. of Strakes A, B, C.		59	65	50			double	7/8	3 1/3	3	7/8	3 1/8	Lapped	
BILGE PLATING, No. of Strakes D, E.		59	58	50			double	7/8	3 1/3	3	7/8	3 1/8	Lapped	
SIDE PLATING, No. of Strakes F, G, H.		59	46	46			double	7/8	3 1/3	3	7/8	3 1/8	Lapped	
UPPER DECK, Sheer- strake in Wells.		67	46	46			double	7/8	3 1/3	4	7/8	3 1/2	Lapped	
UPPER DECK, Sheer- strake in Bridge ...	✓													
STRAKE BELOW Sheer- strake in Wells.		60	46	46			double	7/8	3 1/3	3	7/8	3 1/8	Lapped	
STRAKE BELOW Sheer- strake in Bridge ...	✓													
POOP SIDE PLATING	✓													
BRIDGE SIDE PLATING ...	✓													
FOREC'TLE SIDE PLATING			42				single	3/4	3	1	3/4	2 5/8	Lapped	

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"	12×3½"	45" BA	30"	✓
COLLISION " (in Hold)		47"-30"	9×3½"	38 BA	24"	✓
AFTER PEAK " "		50"-30"	8×3½"	46 BA	24"	✓
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)		Open Heart.				
Steel.		Consell, South Durlan, Shinninggrove, Gorman Long, Cargo Fleet, Appley Ford.				
Has the Steel been tested as required by the Rules?		Yes.				

EQUIPMENT No 40279 ✓										LETTER A +		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.	Cwts.			
37131	1st Bower ...	68	1	14	/			52	13	3	0	68	Byes Stockless	W.L. Byes	Sld, 5/5/37 J.H. Butler
36693	2nd „ ...	68	0	14				52	15	2	14	68	do.	do.	Sld, 10/12/36 J.H. Butler
36856	3rd „ ...	58	2	21				47	12	2	0	58 1/2	do.	do.	Sld, 4/2/37 J.H. Butler
	Collective weight.	195	0	21								194 1/2			
37133	Stream	24	0	14				23	19	2	21		do.	do	Sld 6/5/37 J.H. Butler

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.		Supplied.	Per Rule.	Fathoms.	Ins.	Fathoms.	Ins.					Fathoms.	Ins.		Fathoms.	Ins.	
19173	270	2 5/16	96 1/4	134 3/4	721 0 7	720 3/4	270	270	2 5/16	Stud Link	✓	5/5/37 J.H. Butler	WIRE	120	5	70 18/20	120	4 3/4	
													HAWSERS & WARPS	2090	3 1/4	21 14/20	2090	2 3/4	
														2090	3	18 12/20	2090	2 1/2	
Iron Stream Chain or Steel Wire	90	4 3/4	64 1/2				90	5											

Steering Gear, Steam *John Lynn & Co. Ltd.* Steering Gear, Hand *Auxiliary Bloch & Yacht*

Boats *2-27'0" lifeboats* Steering Chains, Size and Test *Telemotor* Windlass *Emerson Walthe*

Ceiling in Holds, thickness and material *2 1/2" W.W. under Latches* Cargo Battens, thickness, material and spacing *6" x 2" W.W. 9" apart*

Cargo Hatchways.-(Upper Deck) *Steel plate, and angles* Thickness of Hatches *2 7/8" W.W.*

Size of No. 1 Hatchway (Forward) *29'3" x 22'* No. 2 *32'6" x 22'* No. 3 *25' x 22'* No. 4 *32'6" x 22'* No. 5 *32'6" x 22'* No. 6 ✓

Number of Shifting Beams *and for Fore and Afters* *N^{os} 1, 2, 4, 5 5 N^o 3 4*

FOR AND ON BEHALF OF
JOSEPH L. THOMPSON & SONS, LIMITED.
R. E. Thompson
Builder's Signature

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* Managing Director, *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.

The vessel has been built in accordance with the approved plans, the Secretary's Letters, and the Society's Rules.

The material and workmanship are good.

The freeboard marks have been verified & cut in on the vessel's sides.

The double bottom tanks, fore and after peaks, deep tank, have been tested in accordance with the Rules.

The decks, bulkheads, tunnel, ash shoot, land pump, & watertight doors have been tested and found good.

The windlass and steering gear have been tried under working conditions.

The auxiliary steering gear has been rigged and worked.

The following forging certificates are enclosed :- Stem Frame (upper), Stem Frame (lower), Rudder, Stem Piece, Quadrant, Liller.

The amount of Entry Fee £ *9* : : : Fees applied for, *5 July 1937*

Special Survey Fee.... £ *331* : *4* : *6* Received by me, *1336.4.6 pd. 6.8 1937*

Duplicate sent (Long) *+* *+* *Travelling Expenses, if any £* *16* *Freeboard fee*

State whether the Vessel has been built under Special Survey *Yes* I am of opinion the Vessel should be Classed *+ 100 A.1.*

Signature *W. C. Hullar* Surveyor to Lloyd's Register of Shipping.

in Duplicate Certificate to be sent to *SUNDERLAND.* Date of issue *7/8/37.*

Committee's Minute *TUE 13 JUL 1937*

Character assigned *+ 100 A1*

Lloyd's Assoc *with freeboard* *+ Lmc 7.37* *8th* *FA CL*

note: L.O.A. *White M.C.* *L.H.H.*

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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.)

The vessel was examined in Messrs. Greenwell's Dry Dock on the 1st July 1937, and the bottom and rudder cleaned and recoated. Nos. 14 & 15 shell plates in "J" strake starboard, stated to have been slightly indented through colliding with the S.S. "ALONA-MENDI" on the 30th June 1937 whilst entering the dock, were laid in place, and minor repairs also effected.

~~Plans as built are in course of preparation, and will be forwarded in due course.~~
Plans of Midship Section, Profile, & Decks as built, are enclosed herewith.

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

Cruiser Stern "One Intermediate BH dispensed with"
(Rudder electrically welded) ho.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	including pin.		W.H.		
	1st Bower	2nd "			
	44.2.14	43.3.14	W.H.	6177	31.12.36
			J.D.	1104	5.6.36
	38.0.14		W.H.	6113	18.12.36

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

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

Official No. 165906 : Signal Letters Is bottom of vessel coated with cement Yes ☒ if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	65	205	Fore peak tank,		26	255	Tanks in way of tunnel
Double bottom, under Engines and Boilers,	42.5	184			18	187	
Double bottom, if under Engines only,					65	355	
Double bottom, if under Boilers only,			Deep tank, aft,				
Double bottom, forward,	183.75	622	Deep tank, forward,				
	Total capacity of double bottom	1011	Other tanks, if fitted,				
			(If necessary, furnish further information by sketch.)				

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

Order for Special Survey No. 5830

Date 12.11.36

Dates of Surveys held while building

1936 Dec. 16, 17, 1937 Jan. 4, 5, 6, 12, 13, 18, 19, 20, 25, 27, 29, Feb. 3, 5, 9, 11, 12, 15, 19, 24, 26, Mar. 2, 16, 19, 22, 23, 24, 25, 31, Apr. 2, 5, 6, 7, 12, 13, 14, 15, 16, 19, 20, 21, 23, 26, 27, 29, 30, May 5, 6, 10, June 17, 21, 25, 29, July 1

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Total No. of Visits 55