

STEEL STEAMER or MOTORSHIP.

22 JAN 1930

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel YesDate of completion of report 20th January 1930Port of BelfastNo. 10,300Survey held at BelfastDate First Survey 14th December 1928Last Survey 15th January 1930On the Single Screw Steamer "LINDENBANK"State Type Complete Superstructure with Tonnage OpeningState Type of Erections ✓TONNAGE under
Tonnage Deck... 4628.31CLASS 100 A1State if with freeboard
as condition of Class YesBuilt at BelfastDo. 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 420

FEET.

Launched 5th Sept. 1929 Yard No. 509Total 4628.31Breadth (greatest moulded) B 56.5Gross Tonnage 5054.16Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1c) D 36.25Register Tonnage 3025.401st Longitudinal Number (L x D) = 15645Owners Banks Line LtdManagers A. Weir & Co
(Where necessary to be entered in Reg. Book.)

Residence

REGISTERED DIMENSIONS.
FEET.Length 421.8Framing Depth "d," at middle of length. See
Sec. 3 (1d) 25.5Breadth 56.8Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel 11.58Depth 26.4Draught Moulded 25.4Port of Registry Belfast

If surveyed while building, afloat, or in dry dock

Whole Building, Afloat & in Dry Dock

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	36		Bracket Floors, Frame	6 1/2 3 1/2 42	
" " from 1/2 length to Collision bulkhead.....	24		" " Reversed Frame.....	6 3 1/2 42	
" " in peaks.....	24		" " Vertical Struts [Two at Side Girders.....	10 x 3 1/2 x 3 1/2 42	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 3/4 58 46	
Frame Amidships, Angle, [or]	9 3 1/2 48		" " top Angles <u>double</u>	3 1/2 3 1/2 54 50	
" " Extends up to <u>Upper Deck</u>			" " bottom Angles.....	4 4 62 56	
Reversed Frame Amidships, Angle	9 3 1/2 52		Side Girders, No. each side and thickness	42	
" " Extends up to <u>2nd Deck</u>			Margin Plate depth (excl. of flange) and thickness	41 56	
Depth of Framing Girder	14 1/2		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem.....	6 6 48 14 7/8 Rivets	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	9 3 1/2 48		" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem.....	6 6 48 16 7/8 Rivets	
" " Second 'tween Decks, Angle, [or]			" " Gussets, spacing and scantling abaft 1/4 len. from stem.....	Continuous Tank Top Plate 3 1/8 Rivets every frame	
" " Third " " " "			" " Gussets, spacing and scantling forward 1/4 len. from stem.....	Continuous Tank Top Plate 16 7/8 Rivets every frame	
Framing in Peaks, Angle or [.....	4 1/2 3 1/2 42		Tank Side Brackets, height above base line at toe of Frame and thickness	40 53 @ 36" spacing 50 27	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	1/8 @ 4 7/8		INNER BOTTOM PLATING.		
State if Frame Joggled	Yes		Breadth and thickness of Middle Line Strake ...	53 3/4 52 6 44	
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	9 3 1/2 44 9 3 1/2 48	Owners Extra 3 C Beams on alternating frames abaft Coll. Bld with broad middle stringer in way	Thickness of remainder in Holds	46 1/2 40	
Side Stringers in Hold:- { Interst. Plate Angle	40 3 1/2 40		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	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars	6 6 42		BEAMS.		
Additional full depth 1/2 depth Girders as approved. Riveting as per Rule.			Uppermost Continuous Deck, amidships	10 3 1/2 44 NBS	
INNER BOTTOM.			" " in Wells Angle <u>[or]</u>		
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, [or].....		
Height of Brackets at side above base line at toe of frame			Spacing.....	every frame	
Middle Line Keelson, on Floors, Angles, [or]			Second Deck, amidships, Angle, [or]	12 3 1/2 42 NBS	
" " Through Plate or Intercoastal Plate.....			Spacing.....	every frame	
" " Foundation Plate on Floors.....			Third Deck, amidships, Angle, [or]		
" " Flat Plate Keel Angles			Spacing.....		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, [or]		
" thickness of Intercoastal Plate...			Spacing.....		
" Angles.....			Poop Deck, Angle, [or]		
DOUBLE BOTTOM.			Spacing.....		
Solid Floors, thickness and spacing	42 Stiffened at 36" spacing on every frame under Engines thruout, Deep Tanks & forward 1/2 L elsewhere on alternates		Bridge Deck, Angle, [or]		
" " Are Frame and Reversed Frame joggled?.....	Yes		Spacing.....		
Bracket Floors, breadth and thickness at middle line	33 45		Forecastle Deck, Angle, [or]		
" " breadth and thickness at margin plate.....	33 45		Spacing.....		

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.....	One		Stringer Plate, breadth and thickness in way of Bridge		
" in 'tween Decks, Size and Spacing.....	$\frac{3}{8}$ on alternate frames increased with height as per Rule		Thickness of Plating abreast Deck openings in way of Wells38	1/16 .31
" " " " "			Thickness of Plating abreast Deck openings in way of Bridge	-	- -
" in Holds " "			Thickness of Plating within line of openings...	.34	1/16 .31
" " " " "			If Sheathed, material and thickness		
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	Afterships [9] $3\frac{1}{2}$ every frame	for sh. & sc. (sculler)	Stringer Plate, breadth and thickness.....		
Plating, thickness of28		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 .60		If Plated, state thickness		
" " " " in way of Bridge	to 39 .42		Poop Deck.		
" Angle in Wells	6 6 .64		Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Wells	to $3\frac{1}{2}$ $3\frac{1}{2}$.42		Plating, Sheathing, material and thickness ...		
Thickness of Plating abreast Deck openings in way of Bridge58 1/16 .36		Bridge Deck.		
Thickness of Plating within line of openings...	- - -		Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness Yes... 3" Oregon Pine	.40 1/16 .36		Plating, Sheathing, material and thickness ...		
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells	.42 .41		Stringer Plate, breadth and thickness		
" " " " "	to 36 .35		Plating, Sheathing, material and thickness ...		

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— *Seven.*

Extending to Upper Deck (Sec. 3 c) *One (Collision)*

„ Deck next below *Six*

As per Rule *Seven*

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar				
STEM	Rolled Steel Bar.	10" x 2 1/2"		
STERN FRAME {	Cast Steel	5" x 4" x 1/2"	Koda.	
Propeller Post	do	1-11" x 9 x 8 1/4"		
Rudder				
RUDDER—A x D	596			
Speed of Vessel	11 Knots			
RUDDER mainpiece at head ...		11	Koda.	
" " heel ...		8 1/2		
" " how constructed	Forged built	Shrouds arms		
" " double or single plate	Single	94		
" " coupling, vertical or horizontal	Horizontal.			

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open hearth process.*
Baldwins L^d, Lanarkshire Steel Co, David Colville, Cornhill Iron, James Dunlop, Pease & Partners

Has the Steel been tested as required by the Rules? *Yes (Certificate herewith)*

EQUIPMENT No. 39435										LETTER af	ANCHORS.
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE			Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	
62548	1st Bower ...	65	2	14				51	5	-	Byers type
62549	2nd " ...	65	1	7				51	2	2	do
62547	3rd " ...	65	1	3				51	2	2	do
	Collective weight.	196	0	24							do
62449	Stream	19	3	21	5	0	12	20	12	3	do

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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.			Length.	Diam.						Length. Cir.			Length. Cir.	
14005	270	2 5/16	9 1/4	13 3/4	721-0-2	720-3-0		270	2 5/16	Stud Link	S. Taylor & Sons Ltd	Chester. 31/7/29		TOWLINE	120	5 1/4	80 1/2	120	5 1/4
												J.R. Parsons.		HAWSERS & WARPS	90	2 3/4	22	90	2 3/4
														"	90	2 3/4	22	90	2 3/4
														"	90	2 1/2	18 1/2	90	2 1/2
														"	90	2 1/2	18 1/2	90	2 1/2

Steering Gear, Steam *J. Haskie & Co, direct acting with telemotor* Steering Gear, Hand

Boats *four @ 26'6" x 8'4" x 3'5"* Steering Chains, Size and Test *None* Windlass *Emerson Walker Vert. 11x13*

Ceiling in Holds, thickness and material *2 1/2" N.P. under Hatchways* Cargo Battens, thickness, material and spacing *Vertical between frames in Hold*

Cargo Hatchways. (Upper Deck) *Steel Coverings 33'4" (N°4-33'50)* Thickness of Hatches *2 3/4*

Size of No. 1 Hatchway (Forward) *27'20"* No. 2 *30'20"* No. 3 *27'20"* No. 4 *33'20"* No. 5 *30'20"* No. 6

Number of Shifting Beams and/or Fore and Afters *N°1-5, N°2-5, N°3-5, N°4-5, N°5-5,*

Builder's Signature *J. Birmingham* PRO WORKMAN CLARK (1928) LIMITED SECRETARY

GENERAL DECLARATION. It should be stated (a) whether the vessel 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.

This vessel has been constructed in accordance with the approved plans. Secretary's letters and Society's Rules. The Workmanship and materials are good and is my satisfaction. The Double bottom tanks, Deep Tank and Fore and After Peak Tanks have been tested in accordance with the Rules and found tight. The Weather decks, Watertight Bulkheads and Tunnel have been hose tested and found satisfactory. The freeboards as assigned have been marked, checked and cut in on the sides of the vessel. The Hand pump, steering gear, windlass, and watertight doors have been tried & found satisfactory. The vessel is fitted for the carriage and burning of oil fuel. F.P. above 150° F. and Section 20 of the Rules has been complied with. The Deep Tank has been constructed in accordance with the approved Plan and Society's Rules for the carriage of Vegetable Oil in bulk (See Secretary's letter 15/11/28) This vessel is a sister to S/S Deebank, "Trentbank" & "Forthbank" Nos 506, 507, 9508 of the same Builders

The amount of Entry Fee £ 9 : - : - Fees applied for, *20/1 1930*

Special Survey Fee.... £ 326 : 8 : 6 Received by me, *5.2.30*

Freeboard 9:3:4

Travelling Expenses, if any £ : : : Yes

State whether the Vessel has been built under Special Survey *Yes* Signature *J. Hodgson.*

Certificate to be sent to *Belfast.* Date of issue *1/2/30.* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *FRI. 24 JAN 1930*

Character assigned *+ 100A With freeboard Carrying Vegetable oil in Deep Tanks*

Write Bel

Lloyd's ar.C.P. + Lmb. 1.30 3D, CL, Fitted for oil fuel 1.30 3D above 150° F

W473-0277/2

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.)

Forging and Casting Reports and Steel Certificates forwarded herewith

Plan of Midship Section as built is the same as for 7's Deebank forwarded with Belfast Report 10192. and all approved plans are filed in the London office

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

1st Bower	H1-0-2 (including pins)	M.A.B. 4344, 23.4.29.
2nd "	H1-1-11 " "	A.L. 3152 30.4.29.
3rd "	H0-3-20 " "	A.L. 3155 30.4.29.

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 is joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks (this information is to be given as it should appear in the Register Book)

1 Dk (Stl) & Shelter Deck (Stl) w.s.

Official No. 161856 ; Signal Letters L.F.K.J.

Is bottom of Vessel coated with cement Bilges only 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,	132	343	Fore peak tank,	24.25'	156
Double bottom, under Engines and Boilers,	99	452	After peak tank,	18.5	79
Double bottom, if under Engines only,			Deep tank, aft,	27.	1105
Double bottom, if under Boilers only,	135	381	Deep tank, forward,		
Double bottom, forward,	Total capacity of double bottom	1176	Other tanks, if fitted,		
			(If necessary, furnish further information by sketch.)		

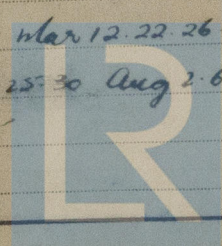
* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. 800

Date 12-11-28.

Dates of Surveys held while building

1928 1929
Dec 14. 19 Jan 3. 9. 11. 16. 18. 21. 23 Feb 6. 7. 21 Mar 12. 22. 26. 27 Apr 5. 9. 18. 29 May 6. 8. 10. 22
29 June 4. 6. 17. 19. 20. 26. 27 July 1. 3. 9. 10. 25. 30 Aug 2. 6. 8. 12. 14. 15. 21. 23. 26. 27 29
Sept 3. 25. 28 Dec 19. 31 1930 Jan 2. 6. 7. 15



Lloyd's Register
Total No. of Visits 528
Foundation