

## STEEL STEAMER or MOTORSHIP.

Received at London Office FEB 23 1938

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 *February 21<sup>st</sup> 1938*Port of *BELFAST*No. *12093*Survey held at *Belfast*Date First Survey *9<sup>th</sup> March 1937* Last Survey *February 14<sup>th</sup> 1938*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Single Screw motor Vessel "DEVIS"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Complete Superstructure with Tonnage opening aft* State Type of Erections *✓*TONNAGE under Tonnage Deck... *5458.15*CLASS *+100A1*State if with freeboard as condition of Class *with freeboard*Built at *Belfast*

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 430.0*Launched *21<sup>st</sup> Dec 1937* Yard No. *1002*Total *5458.15*Breadth (greatest moulded) *B 62.0*Builders *Harland & Wolff, Ltd.*Gross Tonnage *6054.12*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 37.75 U.D. at side*Owners *Lampert & Holt, Ltd.*Register Tonnage *3743.97*1st Longitudinal Number (L x D) *= 16447*

Managers

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

2nd Numeral L x (B + D) *= 43107*

Residence

REGISTERED DIMENSIONS.  
FEET.Length *438.6*Framing Depth "d," at middle of length. See Sec. 3 (1d) *17.25*Breadth *62.3*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.39*Port of Registry *Liverpool*Depth *25.4*Do. Long Bridge to top of keel *9.45*

If surveyed while building, afloat, or in dry dock

Draught Moulded *26.7 1/2**while building and 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	32	✓	Bracket Floors, Frame <i>Bulk angle</i>	7 3 35	✓
" " from 3/8 length to Collision bulkhead	27	✓	" " Reversed Frame <i>da</i>	7 3 33	✓
" " in peaks	24	✓	" " Vertical Struts <i>Channels 9 x 46 x 3 1/2 x 3 1/2</i>	54	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	48 x 51	✓
Frame Amidships, Angle, <i>[ or ]</i>	8 x 32 x 3 1/2 x 3 1/2	✓	" " top Angles	3 1/2 3 1/2 49	✓
" " Extends up to	3 <sup>rd</sup> Dk.	✓	" " bottom Angles	5 5 55	✓
Reversed Frame Amidships, Angle	4 3 1/2 32	✓	Side Girders, No. each side and thickness	One 39	✓
" " Extends up to	3 <sup>rd</sup> Dk.	✓	Margin Plate depth (excl. of flange) and thickness	38 x 55	✓
Depth of Framing Girder	8	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	3 1/2 3 1/2 47	✓
Frames in Uppermost Continuous 'tween Decks, Angle, <i>[ or ]</i>	8 3 1/2 35	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	3 1/2 3 1/2 47	✓
" " Second 'tween Decks, Angle, <i>[ or ]</i>	8 3 1/2 35	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	Continuous	✓
" " Third " " "	✓	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	43 Thick lapped 21 in brackets	✓
Framing in Peaks, Angle or <i>[ or ]</i>	8 3 1/2 35	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	7 1/2 x 45	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 5 1/4	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes.</i>	✓	Breadth and thickness of Middle Line Strake	54 1/2 x 53/4	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>Deep framing 2 side stringers below 3<sup>rd</sup> dk. 6 x 3 1/2 x 43 1/2 43 inter. pl.</i>	✓	Thickness of remainder in Holds	45/41	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Frames 4 x 3 1/2 x 47 double. Additional side girders 3 strakes bottom shell 69 from 1/2 L fwd. to Coll. bulk. Rivet spacing closed</i>	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bankers and Boiler Room?	2/45	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, <i>[ or ]</i>	8 x 34 x 3 1/2 x 3 1/2	✓
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, <i>[ or ]</i>	do.	✓
Middle Line Keelson, on Floors, Angles, <i>[ or ]</i>			Spacing	Every frame	✓
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, <i>[ or ]</i>	8 x 32 x 3 1/2 x 3 1/2	✓
" " Foundation Plate on Floors			Spacing	Every frame	✓
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, <i>[ or ]</i>	8 x 45 x 3 1/2 x 3 1/2	✓
Side Keelsons, No. each side			Spacing	Every frame	✓
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, <i>[ or ]</i>		✓
" " Angles			Spacing		✓
DOUBLE BOTTOM.			Poop Deck, Angle, <i>[ or ]</i>		✓
Solid Floors, thickness and spacing	43 every 3 <sup>rd</sup> ft.	✓	Spacing		✓
" " Are Frame and Reversed Frame joggled?	Frame only	✓	Bridge Deck, Angle, <i>[ or ]</i>	8 x 38 x 3 x 3 x 44	✓
Bracket Floors, breadth and thickness at middle line	36 x 43	✓	Spacing	Every frame	✓
" " breadth and thickness at margin plate	36 x 43	✓	Forecastle Deck, Angle, <i>[ or ]</i>	8 3 34	✓
			Spacing	Every frame	✓



## 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.....	Two ✓		Stringer Plate, breadth and thickness in way of Bridge .....	68 x .43 Clear of O.F. Bulkhead	
" in 'tween Decks, Size and Spacing ...	Wide spaced ✓		Thickness of Plating abreast Deck openings in way of Wells .....	39 / 32	
" " " " "	x girders		Thickness of Plating abreast Deck openings in way of Bridge .....	.41	
" in Holds " "	as approved ✓		Thickness of Plating within line of openings...	.34	
" " " " "			If Sheathed, material and thickness .....	No	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	51 x .34	App. 50 x .34
Plating, thickness of .....	✓		If Plated, state thickness.....	.30	
<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	68 x .66 ✓ App. 66 x .66		If Plated, state thickness .....	✓	
" " " " in way of Bridge	68 x .43 ✓ " 50 x .43		<b>Poop Deck.</b>		
" Angle in Wells .....	6 6 .66 ✓ 3½ 3½ .44		Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings) in way of Wells .....	.53 / .36 ✓		Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings) in way of Bridge .....	.39 ✓		<b>Bridge Deck.</b>		
Thickness of Plating within line of openings...	.42 ✓		Stringer Plate, breadth and thickness.....	63 x .48 .42 plating	
If Sheathed, material and thickness .....	No.		Plating, Sheathing, material and thickness ..	Sheathed 2½" W.P.	
<b>Second Deck.</b>			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness in Wells...	68 x .43 ✓ App. 50 x .43		Stringer Plate, breadth and thickness.....	36 x .37	
			Plating, Sheathing, material and thickness ..	.36 plating	

## SHELL PLATING.

SCANTLINGS.					RIVETING.									
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.					
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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 .....	53	.81 ✓	.76 ✓	.73 ✓		Double	1	4	✓	4	1	4	Lapped	
" <del>DECK</del> . (if any)														
BOTTOM PLATING, No. of Strakes ..... 4 .....		.63 ✓	.50 ✓	.52 ✓		"	7/8	3 5/4	✓	4	7/8	3 1/2	✓	"
BILGE PLATING, No. of Strakes ..... 2 .....		.63 ✓	.50 ✓	.52 ✓		"	"	"	✓	4	"	"	✓	"
SIDE PLATING, No. of Strakes ..... 3 .....		.62 ✓	.48 ✓	.48 ✓		"	"	"	✓	3	"	3 1/8	✓	"
UPPER DECK, Sheer- strake in Wells .....	73	.72 ✓	.48 ✓	.48 ✓		"	"	"	✓	4	"	3 1/2	✓	"
UPPER DECK, Sheer- strake in Bridge ...		.66 ✓				"	"	"	✓	4	"	"	✓	"
STRAKE BELOW Sheer- strake in Wells .....	72	.65 ✓	.48 ✓	.48 ✓		"	"	"	✓	4	"	"	✓	"
STRAKE BELOW Sheer- strake in Bridge ...		.62 ✓				"	"	"	✓	4	"	"	✓	"
POOP SIDE PLATING .....														
BRIDGE SIDE PLATING ...		.58 ✓				One strake				4	"	"		"
FOREC'TLE SIDE PLATING			.43 ✓			Single	3/4	3	✓	Single	3/4	2 5/8	✓	"

## 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	7				
As per Rule	7				

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	$\frac{1}{2}$ second deck				
„ „ Second „	$\frac{1}{2}$ 26	$5 \times 2\frac{1}{2} \times 26$	30		
„ „ Third „					
„ „ Holds .....	$\frac{3}{8}$ 29	$9 \times 3\frac{1}{2} \times 38$	30		
COLLISION „ (in Hold)	$\frac{7}{16}$ 54	$9 \times 3\frac{1}{2} \times 38$	24	Brackets at side stringers	
AFTER PEAK „ „	$\frac{7}{16}$ 53	$8 \times 3 \times 50$	24	Tunnel deck	

KEEL, Bar	Flat plate			
STEM	Roller steel	$10 \times 2\frac{5}{8}$	✓	
STERN FRAME	Propeller Post	Cast	as	Stahlwerk Krupp, Ag.
	Rudder	steel	appd.	Quaccldorf.
Speed of Vessel	14 knots	✓		
RUDDER—Type	Ordinary streamlined			
„ A x D	Area 173	✓		
„ Diam. of head stock	13	✓		
„ Mainpiece at top pintle	Dimensions			
„ „ heel	as appd.			
„ how constructed	C 5 frame F 5 stock			Reinforced As Henschel's
„ double or single plate	Double	✓		
„ coupling, vertical or horizontal	Vertical	✓		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Siemens Martin & Co. Ltd.*  
*Colvilles Ltd., Carron Iron Co. Ltd., Steel Company of Scotland Ltd.,*  
*Lanarkshire Steel Co.*

Has the Steel been tested as required by the Rules? *Yes.* ✓







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.)

This vessel is sister to the M.V. 'DELIUS', Bel. report N° 11976 and the M.V. 'DELANE' Bel. report N° 12069.

The following are forwarded for filing with this Report:

Midship Section as built.

Casting Reports: Stern frame, Rudder frame, Tiller, Quadrant.

Forging Report: Rudder Stock, pintles & Coupling bolts.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book *Cruiser Stern; D.F.*

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

1st Bower	41.3.11	N.H.	6636;	30.4.37	Wt. including pins	46.0.25.	✓
2nd "	42.0.1	N.H.	6865;	23.7.37	"	46.1.15.	✓
3rd "	42.0.16	N.H.	6864;	23.7.37	"	46.2.2.	✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge *82.7* ft., Forecastle *31.7* ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ☒

Overall length *456'* ✓

No. and Material of Decks *Two dks (stl) and Shelter dk (stl)*

Official No. *164350*

Signal Letters

*GFGJ*

Is bottom of vessel coated with cement *Yes. Except in O.F. tanks.* ☒ 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, <i>Frames 13 to 60 aft.</i>	<i>125</i>	<i>497</i>	Fore peak tank,	<i>23</i>	<i>66</i> ✓
Double bottom, under Engines and Boilers,			After peak tank,	<i>17</i>	<i>53</i> ✓
Double bottom, if under Engines only, <i>3s. 13a to 9f.</i>	<i>56</i>	<i>393</i>	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward, <i>Frames 9 to 77 fwd.</i>	<i>169</i>	<i>617</i>	Other tanks, if fitted, <i>FW tanks at sides of tunnel</i>	<i>13</i>	<i>147.</i> ✓
		Total capacity of double bottom <i>1507</i> ✓	(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. *866*

Date *10<sup>th</sup> March, 1937*

Dates of Surveys held while building

*1937*

*Mar. 9. 17. 22. 31 Apr. 8. 13. 20. 26. 29 May 11. 21. 28 June 1. 7. 17. 23 July 19. 22 Aug 11. 26*

*Sep. 8. 13. 17. 23 Oct. 5. 12. 13. 15. 19. 20. 21. 22. 26. 29 Nov. 1. 4. 8. 12. 15. 17. 18. 19. 23. 24. 25. 29*

*Dec. 3. 10. 15. 21 1938 Jan. 5. 18. 22. 26. 31 Feb. 4. 7. 9. 10. 11. 14*

Total No. of Visits *61*