

## STEEL STEAMER or MOTORSHIP.

Received at London Office

State if Report has been sent on the Freeboard of the Vessel **NO.**State if Report is sent on the Machinery of the Vessel **YES.**Date of completion of report **3rd April 1942.** Port of **Greenock.** No. **21496.**Survey held at **Port Glasgow.** Date First Survey **27th SEPTEMBER 1939.** Last Survey **2nd APRIL 1942.**On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) **Twin Screw Motorship "LLANDUDNO"** **Motor.**State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **Special Type.** State Type of Erection **Smooth.**TONNAGE under Tonnage Deck... **485.49** CLASS **A' FOR GOVERNMENT SERVICE.** State if with freeboard as condition of Class **NO.** Built at **Port Glasgow.**Do. of space or spaces between Tonnage Dk. and Upper Dk. **✓** Length from fore part of stem to after part of stern **165.43** Launched **8th Feb. 1941.** Yard No. **445.** J.N. **1029.**Total **485.49** Breadth (greatest moulded) **B 28.44** Builders **W. Hamilton & Co.**Gross Tonnage **681.49** Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) **D 15.44** Owners **The Admiralty.**Register Tonnage **327.24** 1st Longitudinal Number (L x D) **= ✓** Managers **(Where necessary to be entered in Reg. Book.)**REGISTERED DIMENSIONS. FEET. 2nd Numeral L x (B + D) **= ✓** Residence **London.**Length **167.5** Framing Depth "d," at middle of length. See Sec. 3 (1d) **✓** Port of Registry **✓**Breadth **28.6** Proportions—Depth to Length—Uppermost continuous deck to top of keel **✓** If surveyed while building, afloat, & in dry dock **Yes.**Depth **15.0** Draught Moulded **✓**

## 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.
<b>FRAMES, Spacing amidships</b> .....	24	LBS.		<b>Bracket Floors, Frame</b> .....	✓		
"    "    from $\frac{3}{4}$ length amidships to } Collision bulkhead.....}	24			"    "    Reversed Frame .....	✓		
"    "    in peaks.....	24			"    "    Vertical Struts .....	✓		
<b>SIDE FRAMING.</b>				<b>Centre Girder, depth and thickness amidships</b> .....	✓		
<b>Frame Amidships, Angle, E or F</b> .....	5	22 7		"    "    top Angles .....	✓		
"    "    Extends up to <i>HATCH DN. &amp; TO KEEL</i> <i>DN. IN WAY OF SAME.</i>				"    "    bottom Angles .....	✓		
<b>Reversed Frame Amidships, Angle</b> .....	2	2 3 17		<b>Side Girders, No. each side and thickness</b> .....	✓		
"    "    Extends up to <i>LEVEL ACROSS FLOORS.</i>				<b>Margin Plate</b> depth (excl. of flange) and thickness .....	✓		
<b>Depth of Framing Girder</b> .....	5	B.A.	✓	"    "    Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem .....	✓		
<b>Frames in Uppermost Continuous 'tween</b> <b>Decks, Angle, E or F</b> .....	✓			"    "    Vertical Angle to Tank side Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area .....	✓		
"    " <b>Second 'tween Decks, Angle, E or F</b> .....	✓			"    "    Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem.....	✓		
"    " <b>Third</b> " " " " .....	✓			"    "    Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area.....	✓		
"    " <b>from <math>\frac{1}{2}</math> len. for'd. to 15% len. from</b> "    " <b>Stem</b> .....	5	22 7	✓	<b>Tank Side Brackets, height above base line</b> at toe of Frame and thickness	✓		
"    " <b>in Peaks, Angle or E</b> .....	5	22 7	✓	<b>INNER BOTTOM PLATING.</b>			
<b>Diameter and Spacing of Rivets through</b> "    " <b>Frame and Shell Plating amid-</b> "    " <b>ships</b> .....	$\frac{5}{8}$ @ $4\frac{3}{8}$		✓	Breadth and thickness of Middle Line Strake ...	✓		
<b>State if Frame Joggled</b> <i>YES, EXCEPT AT ENDS OF VESSEL.</i>			✓	Thickness of remainder in Holds .....	✓		
Are the scantlings and arrangements in the "    " <b>Panting Area</b> in accordance with the Rules "    "    and/or as approved? .....	<i>AS APPROVED.</i>		✓	Are Rule requirements complied with regarding "    "    increases of scantlings in way of <del>double</del> "    "    bottom in E. & B. space and framing in "    "    Bunkers and Boiler Room? .....	<i>AS APPROVED.</i>		✓
Are the scantlings and arrangements in way "    "    of the <b>Bottom Forward</b> in accordance with "    "    the Rules and/or as approved? .....	<i>AS APPROVED.</i>		✓				
<b>SINGLE BOTTOM.</b>				<b>BEAMS.</b>			
<b>Floors, Depth and thickness at mid-line in</b> "    " <b>Holds</b> .....	12	12	✓	<b>Uppermost Continuous Deck, amidships</b> "    " <b>in Walls, Angle, E or F</b> .....	4	22 6.3	✓
"    "    Height of Brackets at side above "    "    base line at toe of frame .....		✓		"    "    "    in way of Bridge, Angle, "    "    " <b>E or F</b> .....	✓		
<b>Middle Line Keelson, on Floors, Angles,</b> "    " <b>E or F</b> .....	22	22 5	✓	"    "    Spacing .....	24		✓
"    "    "    Through Plate <del>or</del> "    "    " <b>Intercostal Plate</b> .....	12	15	✓	<b>Second Deck, amidships, Angle, E or F</b> .....	32	22 5	✓
"    "    "    Foundation Plate on "    "    "    Floors .....	24	10	✓	"    "    Spacing .....	24		✓
"    "    "    Flat Plate Keel Angles .....	3	3 7	✓	<b>Third Deck, amidships, Angle, E or F</b> .....			✓
<b>Side Keelsons, No. each side</b> .....	<i>ONE.</i>		✓	"    "    Spacing .....			✓
"    "    thickness of Intercostal Plate...		10	✓	<b>Fourth Deck, amidships, Angle, E or F</b> .....			✓
"    "    Angles .....	22	22 5	✓	"    "    Spacing .....			✓
<b>DOUBLE BOTTOM.</b>				<b>Poop Deck, Angle, E or F</b> .....			✓
<b>Solid Floors, thickness and spacing</b> .....				"    "    Spacing .....			✓
"    "    Are Frame and Reversed Frame "    "    joggled? .....				<b>Bridge Deck, Angle, E or F</b> .....			✓
<b>Bracket Floors, breadth and thickness at</b> "    " <b>middle line</b> .....				"    "    Spacing .....			✓
"    "    breadth and thickness at "    "    margin plate.....				<b>Forecastle Deck, Angle, E or F</b> .....	32	22 5	✓
				"    "    Spacing .....	24		✓



PILLARS AND DECKS.					
	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		Any Departure from Approved Plans to be Noted.
<b>PILLARS, No. of Rows.....</b>	TWO.			Stringer Plate, breadth and thickness in way of Bridge .....	LAS.
" in 'tween Decks, Size and Spacing.....	SIX FEET SIX			Thickness of Plating abreast Deck openings) in way of Wells .....	8 ✓
" " " " "	WIDE SPACED			Thickness of Plating abreast Deck openings) in way of Bridge .....	✓
" in Holds " "	TUBULAR PILLARS			Thickness of Plating within line of openings...	✓
" " " " "	AS APPROVED.			If Sheathed, material and thickness .....	✓
<b>Centre Line Bulkhead.</b>				<b>Third Deck.</b>	
Stiffeners and Spacing.....	✓			Stringer Plate, breadth and thickness.....	✓
Plating, thickness of .....	✓			If Plated, state thickness.....	✓
<b>STRINGERS AND DECKS.</b>				<b>Fourth Deck.</b>	
<b>Uppermost Continuous Deck.</b>		LAS.		Stringer Plate, breadth and thickness.....	✓
Stringer Plate, breadth and thickness in Wells	13	10	✓	If Plated, state thickness .....	✓
" " " " in way of Bridge	✓			<b>Poop Deck.</b>	
" Angle in Wells	ART.	22 22 5.	✓	Stringer Plate, breadth and thickness .....	✓
Thickness of Plating abreast Deck openings) in way of Wells .....	10 8 LAS.	✓		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...	8.	✓		Stringer Plate, breadth and thickness.....	✓
If Sheathed, material and thickness	BARNED WHITE WOOD 2" THICK			Plating, Sheathing, material and thickness	✓
	AHEAD STATION 59			<b>Forecastle Deck.</b>	
<b>Second Deck.</b>				Stringer Plate, breadth and thickness.....	18 10 ✓
Stringer Plate, breadth and thickness in Wells...	8	✓		Plating, Sheathing, material and thickness ...	8. ✓
	BARNED WHITE WOOD 2" THK. GREEN WATER TO STATION 25.				

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.	No. of ROWS of RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.						Diam.	Spacing cr. to cr.	
	Inches.	<del>Inches.</del> LBS.	<del>Inches.</del> LBS.	<del>Inches.</del> LBS.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL .....	42	15	12	12		DOUBLE.	3/4	3.	2-2	3/4	5/8	STRAPPED INSIDE.
„ BELG. (if any)			✓				✓			✓		
BOTTOM PLATING, No. of Strakes .....	8	12	10	10		DOUBLE.	5/8	2 1/2	2.	5/8	2 1/2	LAPPED.
BIDGE PLATING, No. of Strakes .....		10	10	10		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes .....		10	10	10		✓	"	"	"	✓	"	"
UPPER DECK, Sheer-strake in Wells .....		12	10	10		"	"	"	"	✓	"	"
UPPER DECK, Sheer-strake in Bridge ...			✓				✓			✓		
STRAKE BELOW Sheer-strake in Wells .....		10	10	10		DOUBLE.	5/8	2 1/2	2.	5/8	2 1/2	LAPPED.
STRAKE BELOW Sheer-strake in Bridge ...			✓				✓			✓		
POOP SIDE PLATING .....			✓				✓			✓		
BRIDGE SIDE PLATING ...			✓				✓			✓		
FOREC'TLE SIDE PLATING		12	10	✓			✓		2.	5/8	2 1/2	LAPPED.

WATER-TIGHT BULKHEADS.		Casting or Forging.		Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
Total No. of W.T. BULKHEADS in Vessel—		10				
Extending to Upper Deck (Sec. 3 c)		9				
" Deck next below		1				
As per Rule		APPROVED.				
		STIFFENERS.				
Plating Thickness.		VERTICAL.		HORIZONTAL.		
		Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULK'HD, Upper tween decks		1/2"	32" x 25" x 5 LBS.	2 1/2"	24"	✓
(19) ✓ Second "		1/2"	32" x 25" x 5 LBS.	2 1/2"	24"	✓
" Third "		1/2"	32" x 25" x 5 LBS.	2 1/2"	24"	✓
" Holds .....		10/16"	32" x 25" x 5 LBS.	2 1/2"	24"	✓
COLLISION (in Hold) .....		10/16"	32" x 25" x 5 LBS.	2 1/2"	24"	✓
AFTER PEAK .....		10/16"	32" x 25" x 5 LBS.	2 1/2"	24"	✓
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)		Open Hearth process				
STEEL.		The Steel Company of Scotland Ltd., Colvilles & Co. Leith & Glasgow Steel Co. Ltd., Smith & McClean Ltd.,				
Has the Steel been tested as required by the Rules?		Yes.				

EQUIPMENT No.								LETTER				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.				
	1st Bower ...														
	2nd " ...														
	3rd " ...														
	Collective weight.														
	Stream .....														

[illegible]

W. Wilson

The vessel has been built in accordance with the approved plan the Secretary's letters of various dates, Owners specifications, and in general conformity with the Rules for the class contemplated. The materials and workmanship are good. The vessel is constructed to carry oil fuel for ships use in specially constructed bunkers at ships side port & starboard in way of boiler room. Flash point of oil fuel above 150° F. The requirements of section 20 of the Rules have been complied with. Decks, bulkheads, oil fuel bunkers, tanks, watertight doors, watertight hatches, downer pumps, & bilge pump suction have been tested as required and found satisfactory. Windlass, steering gears etc. tried out under working conditions and found in order.

The amount of Entry Fee ..... £ : : INCLUSIVE FEE	Fees applied for, 3RD APRIL 1942	(Special notations, where part of class, to be stated.)
Special Survey Fee... £ 518. 0 0 NULL, MACHINERY, ELECT, & SPECIAL Travelling Expenses, if any, £ : :	Received by me, 19	I am of opinion the Vessel should be Classed <b>+</b> <i>A</i> "FOR GOVERNMENT SERVICE."

State whether the Vessel has been built under Special Survey YES. Signature N. L. Swinton  
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to GRX. OFFICE. Date of issue 15/5/42.  
B.T.H. Rugby  
 Committee's Minute GLASGOW 8 APR 1942  
 Character assigned - A - H. 42

For Government Service  
 1- Linc 4.42 2 WSB 7D  
 Fitted for oil fuel 4.42 7D above 1500 ft

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.)

Sister vessel to N.M.S. 'ROTHE SAY' Grk. 1<sup>st</sup> E. Rpt. No. 21489.  
N.M.S. 'ILERACOMAE' 21534.  
N.M.S. 'ZENBY' 21669.

Copies of approved plans for this class are available in London Office.

Coasting certificate herewith (3 in N.)

Copy of Certificate (Rpt. 10) attached.

### Damage:

after being launched on 8<sup>th</sup> Nov. 1941, one of the legs in attendance when making fast the after towing line, failed to clear the 'LLANDUDNO' with the result that the leg's belting caught the vessel's stern & set in the plating.

### Now done:

1 stern plate cropped & part renewed. 2 adjacent shell plates joined in place. 2 stern cont frames cropped & part renewed with back bar fitted at butts. 2 cont floor plates & angles removed, joined & refitted. 4 chequered plates (platform) removed, joined & refitted. All new & disturbed work coated.

The above repairs were carried out in Port Glasgow dry dock whilst vessel undergoing bottom painting etc, as per specification.

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of centre keelson angles, bulk head frame collars, second deck stringer plates to shell, upper deck stringer plates to shell in way of forecabin, frame collars at deck in way of oil fuel bunkers & fresh water tanks. A number of items of minor importance throughout.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. & A- for Government Service.  
Fitted for Oil Fuel 4.42 F.P. stove 150°F. Cruiser stern, E.S.D.  
1 BK. (stl) and 2<sup>nd</sup> BK. (stl) clear of Mch. space.

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

1st Bower  
2nd "  
3rd "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 110 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 26.82 ft. (Circ. 1611) Over-all Length 173.9 ft. (Circ. 1703)

No. and Material of Decks 1 BK. (stl) and 2<sup>nd</sup> BK. (stl) clear of Mch. space. 2 BK.

Parts of Bottom of Vessel coated with cement or approved composition Bitumastic and Paint.

Particulars of composition (if fitted) and of approval ☒

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, TA HEIGHT OF 2 <sup>nd</sup> BK.		2.75
Double bottom, under Engines and Boilers,			After peak tank,		10.25
Double bottom, if under Engines only,			Deep tank, aft, F.W. TANK AFT, P.B.S.	18	21.00
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No.

Date

Dates of Surveys held while building

(1939) SEPT. 24. OCT. 16. 14. 20. 23. 25. 24. NOV. 2. 30. DEC. 5. 15. 20. 26. 28. (1940) JAN. 8. 12. 16. 24. 30. FEB. 5. 9. 14. 23. 26. MAR. 1. 5. 11. 14. 19. 25. 29. APR. 5. 15. 24. 26. MAY 1. 6. 15. 16. 21. 29. JUNE 6. 13. 18. 21. 24. 25. JULY 1. 4. 10. 15. 19. 24. AUG. 6. 9. 15. 19. 22. 23. 26. SEPT. 3. 11. 12. 14. 19. 20. 23. 25. OCT. 10. 18. 22. 23. NOV. 1. 15. 18. 27. DEC. 5. 20. 31. (1941) JAN. 10. 16. 14. 18. 20. 28. FEB. 3. 12. 13. 14. 18. 19. 25. MAR. 5. 10. 14. 24. APR. 2. 3. 10. MAY 1. 21. JUNE 26. JULY 4. 14. 17. 23. 30. AUG. 5. 12. 21. 24. SEPT. 1. 18. 22. 23. 26. 29. OCT. 3. 9. 14. 15. 21. 22. 24. 28. NOV. 1. 3. 4. 6. 8. 12. 20. 25. 28. DEC. 2. 5. 10. 15. 18. 20. 22. 25. 29. (1942) JAN. 6. 8. FEB. 5. 11. 13. 14. 15. 16. 17. 18. 19. 23. 24. 26. MAR. 2. 3. 4. 6. 9. 10. 11. 12. 15. 17. 19. 20. 24. 25. 24. 29. APR. 1. 2.

Total No. of Visits

Rpt. 4a

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