

STEEL STEAMER or MOTORSHIP.

APR 19 1938

Received at London Office

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**Full particulars entered in Register*Date of completion of report *14 April 1938* Port of *Sunderland* No. *32349*Survey held at *Sunderland* Date First Survey *12 July 1937* Last Survey *8 April 1938*

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

*"AELYBRYN"**Single Screw*

State Type (Full Sailing, Complete Superstructure with or without Tonnage Opening)

*Complete Superstructure with Tonnage Opening*State Type of Erections *File of C.S.S.*TONNAGE under Tonnage Deck... *4462.7*CLASS *100A1*State if with freeboard as condition of Class *Yes*Built at *Sunderland*

Do of space or spaces between Tonnage Dk. and Upper Dk.

Length overall = *428-0*

FEET.

Launched *March 1st 1938* Yard No. *719*

Total

Gross Tonnage *4935.9*Register Tonnage *2947.3*Breadth (greatest moulded) *B 57.37*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 35.29*1st Longitudinal Number (L x D) *L=400*2nd Numeral L x (B + D) *37056*Framing Depth "d," at middle of length. See Sec. 3 (1d) *24.69*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.33*Do. Long Bridge to top of keel *24-4 1/4*

Draught Moulded

Builders *Singlas Laming & Sons Ltd.*Owners *The Minister S.S. Co. Ltd.*

Managers

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

Residence *2/4 St. Mary's Ave London E.C.3.*Port of Registry *London*If surveyed while building, afloat, & 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	6 3 1/2 36	✓
" " from 1/3 length to Collision bulkhead	27	✓	" " Reversed Frame	5 1/2 3 35	✓
" " in peaks	24	✓	" " Vertical Struts	3 + 3 1/2 x 3 1/2 x 42	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 1/2 52	✓
Frame Amidships, Angle, E or C	12 3 1/2 57	✓	" " top Angles	3 1/2 3 1/2 46	✓
" " Extends up to	2nd Dk.	✓	" " bottom Angles	4 4 52	✓
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	One 36	✓
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	38 52	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	5 5 42	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	7 3 1/2 42	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6 6 42	✓
" " Second 'tween Decks, Angle, E or C	Alternate	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	Continuous	✓
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/4 len. from stem	Continuous	✓
Framing in Peaks, Angle or C	7 3 42	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	40 1/2 43	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5 1/4 side 6 1/2 bottom	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes	✓	Breadth and thickness of Middle Line Strake	60 50	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Deep Frames 15+4+4+6 1/4 4 1/2 52 E NBS ✓ 4 B.A. Stringers 10 x 3 1/2 x 50 ✓ Increased Shell 57 ✓	✓	Thickness of remainder in Holds	42 6 38	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Brakes bottom shell ✓ Increased additional intercostals ✓ Frames 5 x 5 x 42 ✓	✓	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 Way, Angle, E or C	10 x 3 1/2 x 40 NBS ✓ 3 x 3 1/2 x 40 1/2 38 ✓	✓
Height of Brackets at side above base line at toe of frame	✓		" " in way of Bridge, Angle, E or C	✓	
Middle Line Keelson, on Floors, Angles, E or C	✓		Spacing	30	✓
" " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, E or C	11 3 1/2 59 NBS ✓ 8 3 42 4 43 ✓	✓
" " Foundation Plate on Floors	✓		Spacing	30	✓
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, E or C	✓	
Side Keelsons, No. each side	✓		Spacing	✓	
" " thickness of Intercostal Plate	✓		Fourth Deck, amidships, Angle, E or C	✓	
" " Angles	✓		Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, E or C	✓	
Solid Floors, thickness and spacing	38 7-6" ✓	✓	Spacing	✓	
" " Are Frame and Reversed Frame joggled?	Yes	✓	Bridge Deck, Angle, E or C	✓	
Bracket Floors, breadth and thickness at middle line	33 38 ✓	✓	Spacing	8 3 43 ✓	✓
" " breadth and thickness at margin plate	33 38 ✓	✓	Forecastle Deck, Angle, E or C	7 x 3 x 42 1/2 38 ✓	✓
			Spacing	20" x 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.....	<i>One</i>		Stringer Plate, breadth and thickness in way of Bridge	✓	
„ in 'tween Decks, Size and Spacing.....	<i>C.L. 13' 2 1/2 26' 6' plating 5 + 3 + 32 L alternate ✓</i>		Thickness of Plating abreast Deck openings in way of Wells	36 1/2 30	✓
„ „ „ „ „	✓		Thickness of Plating abreast Deck openings in way of Bridge	✓	
„ in Holds „ „	✓		Thickness of Plating within line of openings.....	34 1/2 30	✓
„ „ „ „ „	✓		If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	<i>7 + 3 + 40 5 1/2 ✓ 12 + 3 1/2 + 45 5 NBS ✓ 60 ✓</i>		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	<i>58 1/2 + 60 ✓</i>		If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	✓		Poop Deck.		
„ Angle in Wells	<i>6 6 60 ✓</i>		Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells	<i>49 1/2 40 ✓</i>	<i>104 overhanging included ✓</i>	Plating, Sheathing, material and thickness ..	✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings.....	<i>38 1/2 36 ✓</i>		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>60 40 ✓</i>		Stringer Plate, breadth and thickness.....	<i>35 + 36 ✓</i>	
			Plating, Sheathing, material and thickness ..	<i>34 ✓</i>	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	Diam.		Spacing or. to cr.	Diam.	
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	50½	76 ✓	66 ✓	66 ✓		Double	7/8	3½	4 ✓	1	4	Lapped.
„ DBLG. (if any)		✓										
BOTTOM PLATING, No. of Strakes	4	57 ✓	30 63 10 48	50 53 57 49		Double	7/8	3½	3 ✓	7/8	3½	Lapped.
BILGE PLATING, No. of Strakes	1	57 ✓	48 ✓	48 ✓		„	7/8	3½	3 ✓	7/8	3½	„
SIDE PLATING, No. of Strakes	3	57 ✓	48 ✓	48 ✓		„	7/8	3½	3 ✓	7/8	3½	„
UPPER DECK, Sheer- strake in Wells.....	68½	68 ✓	46 ✓	46 ✓		„	7/8	3½	4 ✓	7/8	3½	„
UPPER DECK, Sheer- strake in Bridge ...	✓											
STRAKE BELOW Sheer- strake in Wells.....	70½	60 ✓	46 ✓	46 ✓		Double	7/8	3½	3 ✓	7/8	3½	Lapped.
STRAKE BELOW Sheer- strake in Bridge ...	✓											
POOP SIDE PLATING	✓											
BRIDGE SIDE PLATING ...	✓											
FORE'C'TLE SIDE PLATING	✓		42 ✓			Single	7/8	3½ ✓	1	3/4	25/8	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)		One ✓				
" Deck next below		Five ✓				
As per Rule		Six ✓				
		STIFFENERS.				
		Plating Thickness.	VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks		4 1/2" - 26	11 x 3 1/2" + 44 1/2" NBS 24"	30"	✓	✓
" " Second		4 1/2" - 26	11 x 3 1/2" + 56 1/2" 26"	6"	✓	✓
" " Third		4 1/2" - 26	7 x 3 + 36 1/2" 20"	✓	✓	✓
" " Hold		4 1/2" - 26	12 x 3 1/2" + 45 1/2" 30 1/2"	✓	✓	✓
COLLISION " (in Hold)		5 1/2" - 30	11 x 3 1/2" + 44 1/2" NBS 3 1/2"	✓	✓	✓
AFTER PEAK "		3 1/2" - 30	11 x 3 1/2" + 44 1/2" NBS 30"	✓	✓	✓
		3 1/2" - 30	10 x 3 1/2" + 57 1/2" 26"	✓	✓	✓
		3 1/2" - 30	10 x 3 1/2" + 48 1/2" NBS	✓	✓	✓
		3 1/2" - 30	6 x 3 + 30 1/2" 24"	S.B. Beams 6"	✓	✓
		3 1/2" - 30	7 x 3 + 33 1/2" 6"	✓	✓	✓
		3 1/2" - 30	6 x 3 + 30 1/2" 24"	✓	✓	✓

EQUIPMENT No. 37573										LETTER 2 ✓✓		ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE.	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
37347	1st Bower ...	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	✓ 63 3/4 ✓	Byers Improved	W. L. Byers 46°	Sunderland. 7/7/37 H.B.
37344	2nd " ...	64	-	114	-	-	-	50	12	2	-	✓ 63 3/4 ✓	" "	"	" "
37471	3rd " ...	54	3	7	-	-	-	45	5	3	21	✓ 54 1/2 ✓	" "	"	" 30/3/37 "
	Collective weight.	183	-	-	-	-	-					182			
51059	Stream ...	17	2	-	✓ 4	2	-					17 1/2 ✓	Ordinary F.W.I.	hot stated	Bradley Dec 11/11/37 LCP

CHAIN CABLES.										HAWERS AND WARPS.									
Number of Certificate.	Length and size supplied.	Test per Certificate.	Statu-tory.	Break-ing.	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.	Cir.	Length.	Cir.
19438	271 2 1/2	91.12	127.5	694	2-7	682 1/2	270	2 1/2	Shut End	hot stated	Sunderland 29/9/37 H.B.	TOWLINE	120	5	52.8	120	5		
19773	3 wit 2 1/2 cable	91.12	127.5	4-1	7				Joining End	"	1/13/38 H.B.	HAWERS & WARPS	2-120	2 3/4	15.2	2-90	2 3/4		
													2-120	2 1/2	13.2	2-90	2 1/2		
	120 4 3/4	4.7					90	4 3/4	British Repaid.										

Steering Gear, Steam *Hyman, Sunderland.* Steering Gear, Hand *Mrs. block & tackle.*
Boats *2-26' lifeboats 7-14' fully brk.* Steering Chains, Size and Test *Telemotor* Windlass *Emerson, Walker.*
Ceiling in Holds, thickness and material *2 1/2" W.P. under hatches only.* Cargo Battens, thickness, material and spacing *9" x 2" 9"*
Cargo Hatchways. (Upper Deck) *Steel plates & angles.* Thickness of Hatches *2 1/2" W.W.*
Size of No. 1 Hatchway (Forward) *29'3" x 20'* No. 2 *30' x 20'* No. 3 *25' x 20'* No. 4 *32'6" x 20'* No. 5 *32'6" x 20'* No. 6 *✓*
Number of Shifting Beams and/or Fore and Afters *No 1, 2, 4 & 5 each pair. No 3 - four.*

SIR JAMES LAING & SONS, LIM.
Builder's Signature *James Laing*

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
(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.

The vessel has been constructed in accordance with the approved plans, the Secretary's letters and the Rules.
The materials and workmanship are good. ✓
The freeboard marks have been verified and cut in on the vessel's sides. The double bottom tanks and fore and after peak tanks have been tested in accordance with the Rules. ✓
The decks, bulkheads, tunnel, hand pumps and watertight door have been satisfactorily tested. ✓
The windlass and steering gear have also been tested satisfactorily. ✓

The amount of Entry Fee £ 8 : - : - Fees applied for, (Special notations, where part of class, to be stated.)
Special Survey Fee.... £ 324 : 6 : - Received by me, 14 APR. 1938
Travelling Expenses, if any £ 15 : - : - 5/5 1938
State whether the Vessel has been built under Special Survey *yes* I am of opinion the Vessel should be Classed *+100A1*
Signature *James Laing* with freeboard.
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to **SUNDERLAND** Date of issue *6/5/38*
Committee's Minute **FRI. 22 APR 1938**
Character assigned *+100A1*
With freeboard

Lloyd's aocl. *22. 2021*
2 S.B. (Spt) 1 Ant S.B.

Lloyd's Register Foundation

W142-0116(22)

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.)

Londonland Rpt 32301. S/s "Gemstone"

Plans of midship section & profile & decks, as built, are enclosed.
Two certificates of forgewright castings are also enclosed.
The approved plans are in the London Office.

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

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

1st Bower	41-0-21 (incl. pins)	R.L.	No 5394	18/6/37.
2nd "	41-1-0	"	R.L.	No 5398
3rd "	36-1-7	"	J.F.R.	No 2453.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 39.25 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 2 Dks (5th) 1 Dk shelter Dk

Official No. 166427; Signal Letters

Is bottom of vessel coated with cement Yes ☒ if not give

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	130	✓ 328	✓	Fore peak tank,	25.5	204	✓
Double bottom, under Engines and Boilers,	37.5	✓ 161	✓	After peak tank,	22.0	168	✓
Double bottom, if under Engines only,	✓			Deep tank, aft,			
Double bottom, if under Boilers only,	✓			Deep tank, forward,			
Double bottom, forward,	131	✓ 625	✓	Other tanks, if fitted,			
Total capacity of double bottom			1114	(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. 5835

Date 16.12.36

Dates of Surveys held while building

1937. July 12. 15. 20. 22. Aug 4. 12. 20. Sep 7. Oct 4. Nov 3. 8. 11. 15. 18. 24. 25. 30. Dec 2. 5. 9. 10. 15. 22. 24. 29. 1938. Jan 6. 10. 13. 25. 27. 31. Feb 2. 8. 11. 14. 15. 16. 17. 18. 22. 23. 25. 28. Mar 6. 17. 23. 31. Apr 2. 5. 6. 7. 8

Total No. of Visits 54