

STEEL STEAMER or MOTORSHIP.

Received at London Office 10 DEC 1929

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 7th December 1929 Port of *Leith*Survey held at *Burntisland* Date First Survey *19th April 1929* Last Survey *29th November 1929*On the *(State if Machinery fitted Aft and if Single, Twin or Triple Screw)* **SS "BRYNYMOR"**State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)* *Full Scantling*State Type of Erections *P.B. & F.*

TONNAGE under Tonnage Deck

CLASS *+100A.1*State if with freeboard as condition of Class *✓*Built at *Burntisland*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) *368.00*Laid down *19/10/29* Yard No. *156*

Total

Breadth (greatest moulded) *B 51.16*Builders *The Burntisland S.S. Co.*Gross Tonnage *4251.16*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 27.54*Owners *The Brynymor Steamship Co.*Register Tonnage *2632.09*1st Longitudinal Number (L x D) *= 10136*Managers *✓*2nd Numeral L x (B + D) *= 28965*

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

REGISTERED DIMENSIONS.

Length

Framing Depth "d," at middle of length. See Sec. 3 (1d) *23.94*Residence *Calverley House*

Breadth

Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.36*Port of Registry *Swansea*

Depth

Do. Long Bridge to top of keel *10.24*

If surveyed while building, afloat, or in dry dock

Draught Moulded *23.73**while building*

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.
From After Peak BHD to frame 128	28		Bracket Floors, Frame	L 6 3 1/2 36	
FRAMES, Spacing amidships			" " Reversed Frame	L 5 1/2 3 36	
From frame 128 to collision BHD	27		" " Vertical Struts <i>two</i> [9 x 3 x 3 x 38		
" " from 3 length to Collision bulkhead	24		and on 8 x 3 x 40 6 at side		
In way of After Peak Tank	24		Centre Girder, depth and thickness amidships	40.50	
In way of Fore Peak Tank	26		" " top Angles	6 6 1/2 48	
SIDE FRAMING.			" " bottom Angles	6 6 1/2 54	
at 28" spacing	12 3 1/2 50		Side Girders, No. each side and thickness	one 6	
Frame amidships, Angle, E or L			Margin Plate depth (excl. of flange) and thickness	34 1/2 47	
" " Extends up to	Upper deck		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 6 1/2 44 single	
Reversed Frame Amidships, Angle	✓		" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	6 6 1/2 43 single	
" " Extends up to	—		" " Gussets, spacing and scantling abaft 1/2 len. from stem	Every frame 3 1/2 x 3 1/2 x 44	
Depth of Framing Girder	12		" " Gussets, spacing and scantling forward 1/2 len. from stem	Every frame 3 1/2 x 3 1/2 x 44	
Frames in Uppermost Continuous 'tween Decks, Angle, E or L	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	66 3/4 44	
" " Second 'tween Decks, Angle, E or L	✓		INNER BOTTOM PLATING.		
" " Third " " "	✓		Breadth and thickness of Middle Line Strake	53 1/2 48	
Framing in Peaks <i>after Peak</i>	7 1/2 3 34	.32	Thickness of remainder in Holds	41 1/2 37 1/2	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	78 6 1/2 20c		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?	<i>yes</i>	
State if Frame Joggled	<i>yes</i>		BEAMS.		
PLATING ARRANGEMENTS (Sec. 7), state system and particulars	6 1/2 3 1/2 45 frames 6 6 1/2 50 under L.S.		Uppermost Continuous Deck, amidships in Wells, Angle, E or L	10 3 1/2 43 at 28" spacing	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	6 1/2 3 1/2 45 frames 6 6 1/2 50 under L.S. 6 1/2 3 1/2 45 frames 6 6 1/2 50 under L.S. 6 1/2 3 1/2 45 frames 6 6 1/2 50 under L.S.		" " in way of Bridge, Angle, E or L	10 3 1/2 40	
ANGLE BOTTOM.			Spacing	28	
Floors, Depth and thickness at mid-line in Holds			Second Deck, amidships, Angle, E or L		
Height of Brackets at side above base line at toe of frame			Spacing		
Middle Line Keelson, on Floors, Angles, E or L			Third Deck, amidships, Angle, E or L		
" " Through Plate or Intercoastal Plate			Spacing		
" " Foundation Plate on Floors			Fourth Deck, amidships, Angle, E or L		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Poop Deck, Angle, E or L	6 3 32	
" " thickness of Intercoastal Plate			Spacing	24	
" " Angles			Bridge Deck, Angle, E or L	8 3 38	
DOUBLE BOTTOM.			Spacing	28	
Solid Floors, thickness and spacing	37 84		Forecastle Deck, Angle, E or L		
" " Are Frame and Reversed Frame joggled?	<i>frames cut at seams 6 1/2 3 1/2 45 frames 6 6 1/2 50 under L.S. 6 1/2 3 1/2 45 frames 6 6 1/2 50 under L.S.</i>		Spacing	27 1/2 26	
Bracket Floors, breadth and thickness at middle line	37 37				
" " breadth and thickness at margin plate	60 37				

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....		Boor 28'-48"		Thickness of Plating abreast Deck openings in way of Wells			
" " " " " "		Bridge 28'-56"		Thickness of Plating abreast Deck openings in way of Bridge			
" in Holds		Pillars at Center line, in way of Hatch incls, also for & aft bulkhead, with stiffeners as per plan.		Thickness of Plating within line of openings... If Sheathed, material and thickness			
Centre Line Bulkhead.				Third Deck.			
Stiffeners and Spacing....		As per plan, every 2' frame		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		as per Profile Deck plan		If Plated, state thickness			
" " " " " in way of Bridge		54 .37		Poop Deck.			
" Angle in Wells		6 6 .64		Stringer Plate, breadth and thickness		34 .34	
Thickness of Plating abreast Deck openings in way of Wells .....		.56 E (see Plan)		Plating, Sheathing, material and thickness		26 2 1/2 w.w.	
Thickness of Plating abreast Deck openings in way of Bridge .....		.34 2 .01		Bridge Deck.			
Thickness of Plating within line of openings...		.32 1 .38		Stringer Plate, breadth and thickness.....		54 .50	
If Sheathed, material and thickness				Plating, Sheathing, material and thickness ...		42 16 .34	
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...				Stringer Plate, breadth and thickness.....		Plating 33	
				Plating, Sheathing, material and thickness ...			

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	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	63 ³ / ₄	.72	.64	.64		Double	1	3 ¹ / ₂	Quad Triple	1 7/8	3 ⁷ / ₁₆ 3/8	Lapped	
" DBLG. (if any)	-												
BOTTOM PLATING, No. of Strakes ... 3	82 ⁵ / ₈	.57	.46	.45		Double	7/8	3 ¹ / ₂	Triple	7/8	3 ¹ / ₈	Lapped	
BILGE PLATING, No. of Strakes ... 1	77 ¹ / ₄	.57	.45	.45		"	"	"	"	"	"	"	
SIDE PLATING, No. of Strakes ... 3	82 ⁵ / ₈	.57	.44	.42		"	"	"	"	"	"	"	
UPPER DECK, Sheer-strake in Wells	52	.64	no Profile & Deck Plans			"	"	"	Quad Triple	1 7/8	3 ⁷ / ₁₆ 3/8	"	
UPPER DECK, Sheer-strake in Bridge ...	72 ³ / ₈	.57	.44	.42		"	"	"	Triple	7/8	3/8	"	
STRAKE BELOW Sheer-strake in Wells	50	.66	no Profile & Deck Plans						(no rivets)				
STRAKE BELOW Sheer-strake in Bridge ...		.57				Double	7/8	3 ¹ / ₂	Triple	7/8	3 ¹ / ₈	Lapped
POOP SIDE PLATING .....			.37			Single	3/4	3	Single	3/4	2 ⁵ / ₈	"
BRIDGE SIDE PLATING ...		.63				Double	7/8	3 ¹ / ₂	Triple	7/8	3/8	"
FOREC'TLE SIDE PLATING			.42			Single	3/4	3	Single	3/4	2 ⁵ / ₈	"	

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 6

„ Deck next below 6

As per Rule 6

Plating in way of Bulges.	Plating Thickness.	STIFFENERS.			
		VERTICAL.	HORIZONTAL.		
		Scantlings, Spacing.	Scantlings.	Spacing.	
Plating in way of Bulges. 45"					
MIDSHIP BULKHEAD, Upper tween decks.					
Frame No 35	39'-31"	12x32x	45	6 30	
" Second	62'-39'-30"	"		6 "	
" Third	81'-45'-30"	"		6 "	
" Holds	127'-40'-32"	12x32x32x	53'-60"	6 "	
COLLISION	(in Hold) 152'-44'-26"	5 1/2 x 3 x 34		5 24	
AFTER PEAK	12'-70'-30"	8 x 3 x 36		6 24	

FORGINGS and CASTINGS

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓		✓	
STEM				
STERN FRAME	Propeller Post Rudder	Cast steel main boom Stream line section as per plan	Meier Bochner Verden	
RUDDER—A × D		335		
Speed of Vessel		10 Knots		
RUDDER	main piece at head " " heel how constructed double or single plate coupling, vertical or horizontal	Casting main boom Cast steel frame having four flanges, and made as per plan - double plates.	Meier Bochner Verden	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Dorman Long & Co Ltd*
Please & Partners Ltd. James Dunlop & Co Ltd, The Steel Company of Scotland Ltd
David Colville & Sons Ltd (O.H.)
Has the Steel been tested as required by the Rules? *Yes*

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PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 39.42 ft., R.Q.D. 6 ft., Bridge 233.08 ft., Forecastle 32.08 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) 10th Dec.

Official No. 3222 ; Signal Letters ayf Is bottom of Vessel coated with cement yes if not give particulars of composition solid cement below boilers, elsewhere fillets & solid cement in way of riveting

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft, <i>Nos 5 & 6</i>	<i>116.67</i>	<i>353</i>	Fore peak tank,	<i>18.02</i>	<i>96</i>
Double bottom, under Engines and Boilers, <i>Nos 3 & 4</i>	<i>39.67</i>	<i>17 2</i>	After peak tank,	<i>24.00</i>	<i>175</i>
Double bottom, if under Engines only, <i>-</i>			Deep tank, aft,		
Double bottom, if under Boilers only, <i>-</i>			Deep tank, forward,		
Double bottom, forward, <i>Nos 1 & 2</i>	<i>166.0</i>	<i>608</i>	Other tanks, if fitted,		
Total capacity of double bottom		<i>1133</i>	(If necessary, furnish further information by sketch.)		

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

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322.34

Order for Special Survey No. <u>1178</u>	Dates of Surveys held while building	<u>1929</u> April 19, 26, 30, - May 3, 7, 15, 17, 24, 29, June 4, 7, 19, 25, 28, - July 2, 5, 10, 30, - Aug 2, 6, 9, 16, 20, 23, 27, - Sept 10, 13, 20, 24, 27, - Oct 1, 8, 11, 15, 17, 29, Nov 14, 19, 22, 29.	Total No. of Visits <u>40</u>
Date <u>10/11/28</u>			