

STEEL STEAMER ~~OR~~ MOTORSHIP.

Received at London Office

29 JUN 1936

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 *26 June 1936*Port of *Lith*No. *19115*Survey held at *Burntisland*Date First Survey *8th November 1935*Last Survey *28th June 1936*On the *Single Screw Steamer "BRYNYMOR"*State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Continuous Superstructure Tonnage opening* State Type of Erections *C.S.S.*TONNAGE under Tonnage Deck... *4398.24*CLASS *100A1*
WITH FREEBOARDState if with freeboard as condition of Class *yes*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) *L 402.0*Launched *21st May 1936* Yard No. *197*Total *4398.24*Breadth (greatest moulded) *B 55.67*Builders *The Burntisland S.B.C. Ltd*Gross Tonnage *4771.15*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 28.0*MANAGERS *Ambrose Davies & Mathews*Register Tonnage *2931.41*1st Longitudinal Number (L x D) *= 14472*OWNERS *The Brynymor Steamship Co. Ltd*
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) *= 36851.31*REGISTERED DIMENSIONS.
FEET.Length *410.0'*Framing Depth "d," at middle of length. See Sec. 3 (1d) *24.1*Residence *Swansea*Breadth *56.0'*Proportions—Depth to Length—Uppermost continuous deck to top of keel *11.168*Port of Registry *Swansea*Depth *25.45'*Draught Moulded *25-1 3/4*

If surveyed while building, afloat, or in dry dock

While building, finally afloat.

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	N.B.S. P. 6 3 1/2 36	✓
" " from 3/8 length to Collision bulkhead	27	✓	" " Reversed Frame	P. 5 1/2 3 36	✓
" " in peaks	24	✓	" " Vertical Struts	Two rows C 8 x 3 1/2 x 3 1/2 x 42	✓
SIDE FRAMING.			Centre Girder, depth and thickness amidships	42 1/2 53	✓
Frame Amidships, Angle, E or C. N.B.S.	12 3 1/2 56	✓	" " top Angles	double 3 1/2 3 1/2 47	✓
" " Extends up to	2 nd Deck (as per plan)	✓	" " bottom Angles	6 6 53	✓
Reversed Frame Amidships, Angle	✓	✓	Side Girders, No. each side and thickness	one 37	✓
" " Extends up to	✓	✓	Margin Plate depth (excl. of flange) and thickness	39 1/4 53	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	6 6 43	✓
Frames in Uppermost Continuous 'tween Decks, Angle, E or C	7 3 1/2 35 (see plan)	✓	" " Vertical Angle to Tank side Bracket forward 1/4 len. from stem	6 6 43 1/2 3 1/2 43	✓
" " Second 'tween Decks, Angle, E or C	✓	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	3 1/2 3 1/2 56	✓
" " Third " " " "	✓	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem	continuous plate 41	✓
Framing in Peaks, Angle, E or C. N.B.S.	7 1/2 3 1/2 37	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	6-6 1/2 x 44	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 (average 5 1/4 apart c to c)	✓	INNER BOTTOM PLATING.		
State if Frame Joggled	yes	✓	Breadth and thickness of Middle Line Strake	71 49	✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Frames 27" apart Two stringers frame N° 139 to Collision Bulkhead From 3/5 L to frame N° 139 frames are 12 x 3 1/2 x 39	✓	Thickness of remainder in Holds	43 1/2 39	✓
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Solid floors 27" apart. Full height intercostals 7-8 1/4" from centre line. Bottom shell 65 Bottom frames 3 1/2 x 3 1/2 x 43 double.	✓	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.			Uppermost Continuous Deck, amidships in Wells, Angle, E or C	7 3 1/2 31	✓
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, E or C	7 3 31	✓
Height of Brackets at side above base line at toe of frame			Spacing	every frame	✓
Middle Line Keelson, on Floors, Angles, E or C			Second Deck, amidships, Angle, E or C	7 3 39	✓
" " Through Plate or Intercostal Plate			Spacing	every frame	✓
" " Foundation Plate on Floors			Third Deck, amidships, Angle, E or C		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, E or C		
" " thickness of Intercostal Plate			Spacing		
" " Angles			Poop Deck, Angle, E or C		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	41 10-0" apart	✓	Bridge Deck, Angle, E or C		
" " Are Frame and Reversed Frame joggled?	yes	✓	Spacing		
Bracket Floors, breadth and thickness at middle line	3-2" x 41	✓	Forecastle Deck, Angle, E or C		
" " breadth and thickness at margin plate	3-2 1/4 x 41	✓	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.....			✓	Stringer Plate, breadth and thickness in way of Bridge	✓		
" in 'tween Decks, Size and Spacing <i>Side girders with pillars as per plan</i>				Thickness of Plating abreast Deck openings in way of Wells	✓	44 6 36	
" " " " " "				Thickness of Plating abreast Deck openings in way of Bridge	✓		
" in Holds " " <i>Side girders with pillars as per plan.</i>				Thickness of Plating within line of openings...	✓	34 6 30	
" " " " " "				If Sheathed, material and thickness			
Centre Line Bulkhead, in 'tween decks 3 1/2" apart as per plan				Third Deck.			
Stiffeners and Spacing... <i>in Hold 2 10 3 1/2 44 in line with alternate frames</i>				Stringer Plate, breadth and thickness.....			
Plating, thickness of <i>in 'tween decks 2 6</i>				If Plated, state thickness.....			
<i>in Hold 3 0</i>				Fourth Deck.			
STRINGERS AND DECKS.				Stringer Plate, breadth and thickness.....			
Uppermost Continuous Deck.				If Plated, state thickness			
Stringer Plate, breadth and thickness in Wells 84 62 ✓				Poop Deck.			
" " " " in way of Bridge ✓				Stringer Plate, breadth and thickness			
" Angle in Wells 6 6 62 ✓				Plating, Sheathing, material and thickness ...			
Thickness of Plating abreast Deck openings in way of Wells 61 ✓				Bridge Deck.			
Thickness of Plating abreast Deck openings in way of Bridge ✓				Stringer Plate, breadth and thickness.....			
Thickness of Plating within line of openings... 38 6 36 ✓				Plating, Sheathing, material and thickness ..			
If Sheathed, material and thickness ✓				Forecastle Deck.			
Second Deck.				Stringer Plate, breadth and thickness.....			
Stringer Plate, breadth and thickness in Wells... 83 1/2 45 ✓				Plating, Sheathing, material and thickness ..			

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES. State if jogged? <i>no</i>	BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		RIVETS.		No. OF ROWS OF RIVETS.	STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.		SINGLE OR DOUBLE.	Diam. Inches.		
FLAT PLATE KEEL	61	77	67	67		Double	7/8	3 1/3	Quadruple 1 3 1/2 Lapped
" DBLG. (if any)									
BOTTOM PLATING, No. of Strakes <i>3</i> <i>84 7/8</i> <i>82 7/8</i>		58	65 56 48	48 50 48		"	"	"	Treble 7/8 3 1/8 "
BILGE PLATING, No. of Strakes <i>2</i> <i>80</i> <i>69</i>		58	48	58		"	"	"	" " "
SIDE PLATING, No. of Strakes <i>3</i> <i>76 3/8</i> <i>76 3/8</i> <i>76 3/8</i>		58	46	46		"	"	"	" " "
UPPER DECK, Sheer-strake in Wells <i>2 76 1/2</i>		58	46	46		"	"	"	" " "
UPPER DECK, Sheer-strake in Bridge <i>4 69 1/2</i>		70	46	46		"	"	"	Quadruple " " "
STRAKE BELOW Sheer-strake in Wells.....									
STRAKE BELOW Sheer-strake in Bridge ...									
POOP SIDE PLATING									
BRIDGE SIDE PLATING ...									
FORECASTLE SIDE PLATING									

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) *1*

 " Deck next below *5*

As per Rule *6*

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM <i>Roller bar 88" x 2 1/2"</i>			<i>Ruhstahl A.G. Stahlwerke (Gutger)</i>	
STERN FRAME { Propeller Post <i>Casting, as per plan</i>				
{ Rudder <i>Streamlined as per plan</i>				
Speed of Vessel		10 knots		
RUDDER <i>Frame Casting, main piece 4 arms 4 pintles</i>				
" A x D		3 1/2 x 5		
" Diam. of head		8 1/4"		
" Mainpiece at top pintle <i>8 1/2" x 6 1/4"</i>			<i>Ruhstahl A.G. Stahlwerke (Gutger)</i>	
" " heel ... <i>7" x 4 1/4"</i>				
" how constructed <i>Cast steel frame streamlined</i>				
" double or single plate <i>double</i>				
" coupling, vertical or horizontal <i>Vertical</i>				

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper 'tween decks <i>Frame No 37</i>	40 30	12 x 3 1/2 x 30	30"		
" " Second	62	39 29	"	45"	
" " Third	80	45 29	"	"	
" " Holds	129	39 29	"	"	
COLLISION (in Hold)	157	48 33	12 3 1/2 45	6 3 30	24" 9 as per plan
AFTER PEAK " "	103	32 30	5 3 36	4 3 40	24 1/2 20" as per plan

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Domantong & Co. Ltd. Sharncliffe Iron Co. Ltd. Consett Iron Co. Ltd. The Steel Company of Scotland Ltd.*

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

EQUIPMENT No 37290										LETTER Z	ANCHORS.			
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK			WEIGHT OF STOCK			TEST, PER CERTIFICATE				Description of Anchor.	Makers.	Where and when tested and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.			
49125	1st Bower	66	1	0				57	13	0	14	66	Turn quick. With John Gun (Braithwaite) 30/3/36 L.P.	
49090	2nd "	60	0	18				48	10	0	0	60	" " " " " " " "	" " " "
49091	3rd "	55	3	12				45	18	1	21	56	" " " " " " " "	" " " "
	Collective weight	182	1	2								182		" " " "
48993	Stream	17	2	14	4	2	6	18	14	1	14	7 1/2 tons Ordinary		Bradley 7/4/36 L.P.

CHAIN CABLES.												HAWSERS 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.	Diam.			Supplied.	Per Rule.	Length.	Diam.	Length.	Cir.					Length.	Cir.			
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
32165 ^{A5}	15	2 1/4	9 1/8	127 1/2	38.0	16	37.3	16	270	2 1/4	"	"	"	"	120	5	52 3/4	120	5
52690	135	"	"	"	344.2	21	341.0	0.0	270	2 1/4	"	"	"	"	90	2 3/4	15.2	90	2 3/4
52691	120	"	"	"	306.0	7	303.0	0.12			"	"	"	"	90	2 1/2	13.2	90	2 1/2
		Cir.								Cir.									
Iron Stream Chain or Steel Wire	90	4 3/4	47						90	4 3/4	Wm			"					

Steering Gear, Steam *Wilson-Pirie* type, 8" x 7 1/2" Steering Gear, Hand relieving tackle, led to winch.
Boats 2 life boats, 1 dinghy Steering Chains, Size and Test (Telemotor) Windlass *Clarke Chapman*, 9 1/2" x 12"
Ceiling in Holds, thickness and material *under hatches* 2 1/2" w w Cargo Batts, thickness, material and spacing 6" x 2" w w 9" apart.
Cargo Hatchways. (Upper Deck) *4 at hatches* *upper deck* Thickness of Hatches *N^o 1 = 2 3/4" N^o 2, 4 & 5 = 2 7/8" N^o 3 = 2 1/2"*
Size of No. 1 Hatchway (Forward) 31'5" x 24' No. 2 32'5" x 24' No. 3 30' x 24' No. 4 32'5" x 24' No. 5 32'5" x 24' No. 6 ✓
Number of Shifting Beams *and for Fore and Afters* *N^os 1, 2, 3, 4 & 5, four in each.*

FOR THE BURNTISLAND SHIPBUILDING COMPANY LTD.
Builder's Signature *Ing. Lyle*

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.
This vessel has been built in accordance with the approved plans, and in general conformity with the Rules. The materials & workmanship are good.
The decks, the double bottom tanks, forward & after peak tanks, and the bulkheads have been tested in accordance with the Rule requirements with satisfactory results.
The w.t. doors, the hand pump, the steering engine & gear, & the windlass have been seen in good working order.
The steel plating to the stern frame is *1/2"* thickness.
The following plans are forwarded herewith: - Midship section. Profile & Decks. Girders & strong beams. Stem & Rudder frames. Web ends upper D^o and 2nd D^o Hatches; Transverse pillars connection at upper D^o; Stem & Rudder frames; Plate plan: Four main masts: Pumping plan. Also four reports on Castings.

The amount of Entry Fee	£ 8 : 0 : 0	Fees applied for,	27/6/1936	(Special notations, where part of class, to be stated.)
Special Survey Fee	£ 313 : 11 : 0	Received by me,	4/8/36	
Travelling Expenses, if any	£ 3 : 19 : 3			
Freeboard	£ 15 : 0 : 0			
State whether the Vessel has been built under Special Survey	yes	I am of opinion the Vessel should be Classed	+100A1	
Certificate to be sent to	<i>Sheehy & Co. Ltd.</i>	Signature	<i>Evan Edwards</i>	Surveyor to Lloyd's Register of Shipping.
Date of issue	5/8/36			

Committee's Minute
Character assigned
FRI. 8 JUL 1936
+ 100A1
With freeboard,
Lloyd's a.r.c.p. + Limb 6, 36
32, C.L.
Write Lf
Printed

The Surveyors are requested not to write on or below the Committee's Minute.

W1167-0046 1/2

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.)

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

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

cut 1/4 in
1st Bower *39-3-1 WH 5620 5-3-36.*
2nd " *33-2-9 AB 2382 14-11-29.*
3rd " *32-1-5 NIAB. 4487. 26-11-29.*

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 or Forecastle are joined to the B.D., this should be distinctly stated ☒

No. and Material of Decks *Two decks, steel*

Official No. *144008*; Signal Letters _____ Is bottom of vessel coated with cement *in way of boiler room if not give particulars of composition and Fore & After Peaks, elsewhere cement filled & seams & bolts & rivets covered.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.		*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.	
		Feet.	Tons.			Feet.	Tons.
Double bottom, aft,	} N ^o 6	55	112	Fore peak tank,	21.82	136	
Double bottom, under Engines and Boilers,		65	270	After peak tank,	18.0	159	
Double bottom, if under Engines only,		N ^o 4 75	86	Deep tank, aft,			
Double bottom, if under Boilers only,	N ^o 3	27.5	612	Deep tank, forward,			
Double bottom, forward,	} N ^o 2	125	608	Other tanks, if fitted,			
		N ^o 1 63.25	159	(If necessary, furnish further information by sketch.)			
		Total capacity of double bottom	1346				

* The wells are not to be included in the lengths of the tanks (See Circular No. 1284).

Order for Special Survey No. *1248*

Date *9.12.35*

Dates of Surveys held while building

1935
November 8, 19, 26, 28 Dec 3, 11, 17, 20.
1936, Jan 6, 10, 17, 23, 28, 30. Feb 3, 6, 11, 14, 25, 28
Mar 3, 6, 10, 13, 17, 24, 27. April 1, 3, 8, 10, 17, 22, 28
May 1, 5, 13, 19, 21, 26, 29, June 5, 9, 12, 16, 19, 22.

Total No. of Visits *47*