

STEEL STEAMER ~~OR~~ MOTORSHIP.

Received at London Office 11 OCT 1924

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 *8th Oct. 1924.*Port of *LEITH.*No. *16594.*Survey held at *BURNTISLAND.*Date First Survey *21.2.24.*Last Survey *2 - 10 - 1924*

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

*SINGLE SC. SR. "PENTIRION."*

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

*FULL SCANTLING,*State Type of Erections *POOP, BR, & FCL.*TONNAGE under Tonnage Deck *2255.25*CLASS *+100 A1.*

State if with freeboard as condition of Class

No.

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 297.00*Launched *30-8-24.* Yard No. *130.*Total *2255.25*Breadth (greatest moulded) *B 43.75*Builders *THE BURNTISLAND S.B.CO. LD.*Gross Tonnage *2473.87*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 23.50*Owners *D. P. BARNETT.*Register Tonnage *1493.61*1st Longitudinal Number (L x D) *= 6980*Managers *✓*2nd Numeral L x (B + D) *= 19975*

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

## REGISTERED DIMENSIONS. FEET.

Length *298.50*Framing Depth "d," at middle of length. See Sec. 3 (1d) *19.96*Residence *BALTIC HOUSE, CARDIFF.*Breadth *44.05*Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.64*Port of Registry *\* LONDON.*Depth *21.20*Do. Long Bridge to top of keel *9.686*If surveyed while building *✓* afloat, *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	<i>3 1/2</i>	<i>✓</i>	Bracket Floors, Frame	<i>✓</i>	<i>✓</i>
" " from 1/2 length to Collision bulkhead	<i>27</i>	<i>✓</i>	" " Reversed Frame	<i>✓</i>	<i>✓</i>
" " in peaks	<i>24</i>	<i>✓</i>	" " Vertical Struts	<i>✓</i>	<i>✓</i>
DE FRAMING.			Centre Girder, depth and thickness amidships	<i>36 1/2 x 46   38 B.56</i>	<i>✓</i>
Frame Amidships, Angle, <i>E or F</i>	<i>10 1/2 x 3 1/2 x 51 B.51</i>	<i>✓</i>	" " top Angles	<i>3 x 3 x 43   41 B.53</i>	<i>✓</i>
" " Extends up to <i>Up. Dk. with Scarphed for to Rev. 6 x 3 1/2 x 36 Ang.</i>			" " bottom Angles	<i>3 1/2 x 3 1/2 x 49   47</i>	<i>✓</i>
Reversed Frame Amidships, Angle	<i>B. Ang Framing.</i>	<i>✓</i>	Side Girders, No. each side and thickness	<i>ONE TOP 6 x 3 x 40 B. ANG. ✓</i>	
" " Extends up to...	<i>✓</i>	<i>✓</i>	Margin Plate <i>depth (excl. of flange) and thickness LEVEL</i>	<i>Bot. 6 1/2 x 3 x 40 B. ANG. ✓</i>	
Depth of Framing Girder	<i>10 1/2</i>	<i>✓</i>	" " Vertical Angle to Tank side	<i>6 x 6 x 34 B.44</i>	<i>✓</i>
Frames in Uppermost Continuous 'tween Decks, Angle, <i>E or F</i>	<i>✓</i>	<i>✓</i>	Bracket abaft 1/2 len. from stem	<i>6 x 6 x 34</i>	<i>✓</i>
" " Second 'tween Decks, Angle, <i>E or F</i>	<i>✓</i>	<i>✓</i>	" " Vertical Angle to Tank side		
" " Third " " "	<i>✓</i>	<i>✓</i>	Bracket forward 1/2 len. from stem		
Framing in Peaks, Angle, <i>E or F</i>	<i>6 3 .43</i>	<i>✓</i>	Gussets, spacing and scantling abaft 1/2 len. from stem	<i>✓</i>	<i>✓</i>
Diameter and Spacing of Rivets through Shell Plating	<i>7, 6, and 5 1/2 dia. Average. ✓</i>		Gussets, spacing and scantling forward 1/2 len. from stem	<i>✓</i>	<i>✓</i>
State if Frame Joggled	<i>Joggled. ✓</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>6 1/4</i>	<i>✓</i>
FRAMING ARRANGEMENTS (Sec. 7), state system and particulars	<i>3 Side Strs. and incl. framing. 15 1/2 x 40 per. base ang. 6 x 3 1/2 x 36</i>		INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>3 Side Girders 34 inch plts. P&amp;S. Double rivet. frames 5 x 5 x 34. Shell plating 5/16 in A.B.C. Strakes.</i>		Breadth and thickness of Middle Line Strake	<i>8 1/2 x 44   36 B.52</i>	<i>✓</i>
DOUBLE BOTTOM.			Thickness of remainder in Holds	<i>39   37, F.36</i>	<i>✓</i>
Floors, Depth and thickness at mid-line in Holds			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>	
Height of Brackets at side above base line at toe of frame			BEAMS.		
Middle Line Keelson, on Floors, Angles, <i>E or F</i>			Uppermost Continuous Deck, amidships in Wells, Angle, <i>E or F</i>	<i>8 1/2 3 1/2 .54</i>	<i>✓</i>
" " Through Plate or Intercoastal Plate			" " in way of Bridge, Angle, <i>E or F</i>	<i>8 1/2 3 1/2 .50</i>	<i>✓</i>
" " Foundation Plate on Floors			Spacing	<i>Every frame.</i>	
" " Flat Plate Keel Angles			Second Deck, amidships, Angle, <i>E or F</i>		
Side Keelsons, No. each side			Spacing		
" " thickness of Intercoastal Plate			Third Deck, amidships, Angle, <i>E or F</i>		
" " Angles			Spacing		
DOUBLE BOTTOM.			Fourth Deck, amidships, Angle, <i>E or F</i>		
Solid Floors, thickness and spacing	<i>34, B.44 Every fr. ✓</i>		Spacing	<i>✓</i>	<i>✓</i>
" " Are Frame and Reversed Frame joggled?	<i>Frames joggled. ✓</i>		Poop Deck, Angle, <i>E or F</i>	<i>6 3 .32</i>	<i>✓</i>
Bracket Floors, breadth and thickness at middle line	<i>Below top of keel as approved clear of E.R. Bulkhead &amp; forward. ✓</i>		Spacing	<i>Every frame. ✓</i>	
" " breadth and thickness at margin plate	<i>✓</i>	<i>✓</i>	Bridge Deck, Angle, <i>E or F</i>	<i>6 1/2 3 .44</i>	<i>✓</i>
			Spacing	<i>Every frame. ✓</i>	
			Forecastle Deck, Angle, <i>AND E or F</i>	<i>6 3 .35</i>	<i>✓</i>
			Spacing	<i>Every frame. ✓</i>	



## PILLARS AND DECKS.

		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.	
<b>PILLARS, No. of Rows.....</b>	<i>One.</i>				✓
„ in 'tween Decks, Size and Spacing.....	<i>POOP &amp; FORE. 2 1/2 DIA. ALT. BEAMS</i>				✓
„ „ „ „ „	<i>BRIDGE 2 7/8 DIA. ALT. BEAMS.</i>				✓
„ in Holds „ „	<i>Wide Spaced as per Profile.</i>				✓
„ „ „ „ „	<i>{ 5 3/4 dia. alt. beams as per Profile.</i>				✓
<b>Centre Line Bulkhead.</b>					
Stiffeners and Spacing.....		✓			✓
Plating, thickness of .....		✓			✓
<b>STRINGERS AND DECKS.</b>					
<b>Uppermost Continuous Deck.</b>					
Stringer Plate, breadth and thickness in Wells	<i>77 3/4 x 80.60.38 77 3/8. App'd</i>				
„ „ „ „ in way of Bridge	<i>77 3/4 x 80.32 77. App'd</i>				
„ Angle in Wells .....	<i>5 5 .65</i>				✓
Thickness of Plating abreast Deck openings } in way of Wells .....	<i>.60 .52</i>				✓
Thickness of Plating abreast Deck openings } in way of Bridge .....	<i>.30</i>				✓
If Sheathed, material and thickness .....		✓			✓
<b>Second Deck.</b>					
Stringer Plate, breadth and thickness in Wells...		✓			✓
Stringer Plate, breadth and thickness in way } of Bridge .....		✓			✓
Thickness of Plating abreast Deck openings } in way of Wells .....		✓			✓
Thickness of Plating abreast Deck openings } in way of Bridge .....		✓			✓
If Sheathed, material and thickness .....		✓			✓
<b>Third Deck.</b>					
Stringer Plate, breadth and thickness.....		✓			✓
If Plated, state thickness.....		✓			✓
<b>Fourth Deck.</b>					
Stringer Plate, breadth and thickness.....		✓			✓
If Plated, state thickness .....		✓			✓
<b>Poop Deck.</b>					
Stringer Plate, breadth and thickness .....	<i>32 x .32</i>				✓
Plating, Sheathing, material and thickness ...	<i>.28, PP. 2 1/2" sheathing.</i>				✓
<b>Bridge Deck.</b>					
Stringer Plate, breadth and thickness.....	<i>72 x .36</i>				✓
Plating, Sheathing, material and thickness ...	<i>.36 .30</i>				✓
<b>Forecastle Deck.</b>					
Stringer Plate, breadth and thickness.....	<i>Av. 5 1/4 x .32</i>				✓
Plating, Sheathing, material and thickness ...	<i>.32</i>				✓

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES State if joggled?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		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 .....	48 <sup>3</sup>	.62	.58	.58	✓	Doub.	7 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	3.	7 <sup>7</sup> / <sub>8</sub>	3	Lapped.	
„ DBLG. (if any)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of of Strakes ... 3, .....	A. 82 <sup>1</sup> / <sub>4</sub> B. 76 <sup>3</sup> / <sub>4</sub> C. 64 <sup>3</sup> / <sub>4</sub>	.56	A. 82 <sup>1</sup> / <sub>4</sub> B. 76 <sup>3</sup> / <sub>4</sub> C. 64 <sup>3</sup> / <sub>4</sub>	.56	A. 82 <sup>1</sup> / <sub>4</sub> B. 76 <sup>3</sup> / <sub>4</sub> C. 64 <sup>3</sup> / <sub>4</sub>	Doub.	7 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	A3. B3. C3.	7 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	Lapped.	
BILGE PLATING, No. of Strakes ..... 1, .....	D. 73 <sup>3</sup> / <sub>4</sub>	.56	.42	.45	D. 72 <sup>3</sup> / <sub>4</sub> App'd	✓	✓	✓	3.	✓	✓	✓	
SIDE PLATING, No. of Strakes ..... 3, .....	E. 71 <sup>1</sup> / <sub>4</sub> F. 67 <sup>1</sup> / <sub>4</sub>	.56	.40	.40	✓	✓	✓	✓	E3. F3. G3.	✓	✓	✓	
UPPER DECK, Sheer- strake in Wells.....	84 <sup>3</sup> / <sub>4</sub> Min. 99	.64	.40	.40	✓	✓	✓	✓	4 and 3.	1 <sup>7</sup> / <sub>8</sub> A.Q.T. 4 <sup>3</sup> / <sub>8</sub> 3 <sup>3</sup> / <sub>8</sub>	✓	✓	
UPPER DECK, Sheer- strake in Bridge ...	48 <sup>3</sup> / <sub>4</sub>	.56	—	—	✓	✓	✓	✓	3.	7 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>8</sub>	✓	
STRAKE BELOW Sheer- strake in Wells.....	67 <sup>3</sup> / <sub>4</sub>	.56	.40	.40	✓	✓	✓	✓	3.	✓	✓	✓	
STRAKE BELOW Sheer- strake in Bridge ...	67 <sup>3</sup> / <sub>4</sub>	.56	—	—	✓	✓	✓	✓	3.	✓	✓	✓	
POOP SIDE PLATING .....	✓	✓	✓	.34	✓	Sing.	3 <sup>3</sup> / <sub>4</sub>	3	2.	3 <sup>3</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	✓	
BRIDGE SIDE PLATING ...	86 <sup>3</sup> / <sub>4</sub>	.46	✓	✓	✓	Doub.	7 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	4.	7 <sup>7</sup> / <sub>8</sub>	3 <sup>1</sup> / <sub>2</sub>	✓	
FORE'C'TLE SIDE PLATING	✓	✓	.36	✓	✓	Sing.	3 <sup>3</sup> / <sub>4</sub>	3	2.	3 <sup>3</sup> / <sub>4</sub>	2 <sup>5</sup> / <sub>8</sub>	✓	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— *Five.* ✓  
 Extending to Upper Deck (Sec. 3 c) *all to upper dk.* ✓  
 „ Deck next below ✓  
 As per Rule. *Five.* ✓

# FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....	✓	✓	✓	✓
STEM .....	Roll'd bar. Rolled Steel.	8" x 2 1/2"	D. Colville, Sons. & Co.	✓
STERN FRAME {	Propeller Post .....	Forging.	9 x 5 3/4"	✓
	Rudder .....	"	8 x 5 3/4" Clelands.	✓
RUDDER—A x D .....	267	—	—	—
Speed of Vessel .....	Not ex'd.	10 knots.	—	—
RUDDER mainpiece at head ...	Forging.	7 1/2" dia.	Clelands.	✓
" " heel ...	"	5 1/2" dia.		✓
" how constructed .....	Coupled main piece and built onus. ✓			
" <del>double or</del> single plate	coupling, vertical or	horizontal .....	96 in thickness. ✓	—
"	Horizontal Coupling. ✓			

## STEEL.

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
<b>MIDSHIP BULKHEAD, Tween decks...</b>					
"	"	"			
"	"	"			
"	"	"			
"	"	"			
"	"	"			
"	"	"			
"	"	"			
"	"	"			
"	"	"			
"	"	"			
<b>COLLISION</b>					
<b>AFTER PEAK</b>					

Handwritten notes on the table:

- Under "MIDSHIP BULKHEAD, Tween decks...": A large diagonal line is drawn across the table, starting from the bottom left and going towards the top right.
- Under "COLLISION": "Holds FR. 62. 43, 31, 26, 9 1/2 x 3 1/2 } 30" ✓ ✓
- Under "AFTER PEAK": "Holds (in Hold) 44, 34, 26, 8 1/2 x 3 1/2 x 44, 28, 24 } Semi S. Beam 40, 30, 10 x 3 1/2 x 50 } 24" ✓ ✓

Manufacturer's name or trade mark of the Steel used in the construction of the

Vessel (state process of manufacture)

Steel Co. & Scott's Rd. J. Dunlop Ho. Rd. Roman Long Rd. ✓  
Guest Keen & Wellepolds Rd. ✓

Has the Steel been tested as required by the Rules?



EQUIPMENT No. 20926												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.
39793.	1st Bower	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	Britannic Stockless	R. Sykes & Son Ltd.	LPH. CH. 17-5-24. S. G. Paul.
39664.	2nd "	42	0	14	✓			37	4	1	14	42			
39800.	3rd "	35	3	-	✓			32	18	3	-	35½			
	Collective weight.	120	-	-								119½			
38811.	Stream	10	3	24	2	3	-	12	17	2	-	11	Ordinary	Not Stated.	" " 2-8-23 " " "

CHAIN CABLES

CHAIN CABLES.										HAWSERS AND WARPS.					
Number of Certificate.	Length and size supplied.	Test per Certificate.		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.	Statu- tory.	Break- ing.	Supplied.	Per Rule.			Length. Diam.					Length. Cir.	Test.	Length. Cir.
26689	240 1½	63½	88½	436-0-0	425½			240 1½	Shd L. R. Sykes & Son Ltd.	LPH. BC. 24-8-23.	A. Jones.	TOWLINE	120 1½	33	100 1½
												HAWSERS & WARPS	2-90 2½	12½	2-90 2½
Stream	75 4½	-	35					75 4½				"	2-90 2½	9½	2-90 2½
Steel Wire												"			

Steering Gear, Steam *by Donkin Ho. Ltd.* Steering Gear, Hand *by Donkin Ho. Ltd.*

Boats *2 Lifeboats, 1 Dinghy, wood.* Steering Chains, Size and Test *1½" dia. 13½ Tons.* Windlass *Steam & hand Combined by Clarke Chapman Ho. Ltd.*

Ceiling in Holds, thickness and material *2½" W.P. under hatchways and at limbers.* Cargo Battens, thickness, material and spacing *6" x 2" W.P. 9" between battens.*

Cargo Hatchways.—(Upper Deck) *Four. Crainings 36" above deck, 4" plates. Thickness of Hatches 2½" W.Pine.*

Size of No. 1 Hatchway (Forward) *27'0" x 21'9½"* No. 2 *26'3" x 21'9½"* No. 3 *26'3" x 21'9½"* No. 4 *26'3" x 21'9½"* No. 5 *✓* No. 6 *✓*

Number of Shifting Beams *Five to Nos. 1-2-3 & 4 hatchways.*

For THE BURNING AND SHIPBUILDING COMPANY LTD.

Builder's Signature *Steeles* Secretary.

GENERAL DECLARATION *This vessel has been built in accordance with the approved plans and instructions, as well as with the printed Rules.*

*The materials and workmanship are good.*

*The freeboard has been verified, and the markings "Cut in" on the vessel's sides.*

*The D. Port and Pk. Tanks, dry tank under boilers, weather decks, bulkheads, hand pump, & W.T. doors have been satisfactorily tested as per Rule requirets.*

*Shell plates Connecting Sternframe are of Rule thickness.*

**FREEBOARD.**

The amount of Entry Fee ..... £ *6 : 0 : 0* Fees applied for, *10-10-1924.*

Special Survey Fee.... £ *198 : 14 : 0* Received by me, *10-10-1924.*

Travelling Expenses, if any £ *4 : 4 : 2*

State whether the Vessel has been built under Special Survey *Yes.* Signature *Robt. Cheetham.*

Certificate to be sent to *Builders.* Date of issue *10/12/24* Surveyor to Lloyd's Register of Shipping.

Committee's Minute *TUES. 14 OCT 1924*

Character assigned *100A1*

*Lloyd's 206.0* *+ Lmb 10.24*

*C.L.*

*W454-0095 (2/2)*



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.)

This is a Sister vessel to the SS "PENTRAETH", Leith Regt. No. 16575.

Plans forwarded herewith:—

Midship Section, Profile and Wks.  
Sternframe & Rudder. Pumping Arrangements.  
Painting Arrangements. Masts.  
Amended position of Cross Bunker Hatchway.  
Freeing ports. 3. Forging Reports.

The Owner's Sanction that the Vessel be built to the revised rules was obtained. ✓

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

1st Bower 42-0-14. KH. 2840. Düsseldorf, 18-3-24.  
2nd " 42-0-14. KH. 2799. " 26-2-24.  
3rd " 35-3-0 KH. 2833. " 18-3-24.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 22.66 ft., R.Q.D. ✓ ft., Bridge 18.75 ft., Forecastle 26.00 ft.  
(in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) 1 Pl. Steel.

Official No. 147731; Signal Letters ✓  
particulars of composition Cement, Covering whole surface of inside of bottom plating throughout. ✓  
If bottom of Vessel has been coated Inside yes.

#### PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	89.25	220	Fore peak tank,	19.00	122
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	16.00	94
Double bottom, if under Engines only,	18.375	61	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	124.50	382	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		663	(If necessary, furnish further information by sketch.)		

dry tank tested see page 3.

\* The wells are not to be included in the lengths of the tanks.  
250.5

Order for Special Survey No. 1123.

Date

7th June 1923.

Dates of Surveys held while building

1924, Feb. 27, Mar. 7, 14, 21, 26, Apr. 1, 10, 18, 25, 30, May, 9, 16, 23, 30, June, 11, 19, 25, July, 1, 4, 9, 16, 25, 31, Aug. 7, 14, 21, 28, 29, Sep. 4, 9, 12, 19, 23, 26, Oct. 2.

Lloyd's Register Foundation

Total No. of Visits

36.