

## STEEL STEAMER or MOTORSHIP.

Received at London Office FEB -4 1941

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

31. 1. 41 Port of *Belfast.*

No. 12869

Survey held at

*BELFAST.*Date First Survey *14<sup>th</sup> July 1939*Last Survey *23<sup>rd</sup> January 1941*

On the

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

*SINGLE SCREW MOTOR VESSEL "PAMPAS".*

State Type

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

*C.S.S. WITH TONNAGE OPENING*

State Type of Erections

*C.S.S. WITH F'CASTLE SUPERIMPOSED.*

TONNAGE under Tonnage Deck

*4726.70*CLASS *100 A1*State if with freeboard as condition of Class *yes*Built at *BELFAST.*

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 *425*Launched *NOVEMBER 2<sup>ND</sup> 1940* Yard No. *1027*

Total

Breadth (greatest moulded)

B *61*Builders *HARLAND AND WOLFF LTD.*

Gross Tonnage

*5415.10*

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D *35.75*Owners *ROYAL MAILS LINES LTD.*

Register Tonnage

*3080.25*

1st Longitudinal Number (L x D)

*15194*Managers *✓*

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

2nd Numeral L x (B + D)

*41119*Residence *✓*

## REGISTERED DIMENSIONS.

FEET.

Length

*433.3*

Framing Depth "d," at middle of length. See Sec. 3 (1d)

*15.08*Port of Registry *LONDON*

Breadth

*61.3*

Proportions—Depth to Length—Uppermost continuous deck to top of keel

*11.19*

If surveyed while building, afloat, or in dry dock

Depth

*22.75*

Do. Long Bridge to top of keel

*✓*

Draught Moulded

*24'-11 1/4"**Building, afloat and in dry dock*

## 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>	<i>31"</i> ✓		<b>Bracket Floors, Frame</b>	<i>✓</i>	
" " from $\frac{3}{8}$ length to Collision bulkhead	<i>27"</i> ✓		" " Reversed Frame	<i>✓</i>	
" " in peaks	<i>24"</i> ✓		" " Vertical Struts	<i>✓</i>	
<b>DE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b>	<i>4" x 5"</i> ✓	
<b>Frame Amidships, Angle, [ or ]</b>	<i>8" x 4" x 3 1/2" x 52"</i> ✓		" " top Angles <i>Double</i>	<i>3 1/2" x 3 1/2" x 48"</i> ✓	
" " Extends up to	<i>3" Deck</i> ✓		" " bottom Angles <i>Double</i>	<i>5" x 5" x 54"</i> ✓	
<b>Reversed Frame Amidships, Angle</b>	<i>✓</i>		<b>Side Girders, No. each side and thickness</b>	<i>ONE, 38"</i> ✓	
" " Extends up to	<i>✓</i>		<b>Margin Plate depth (excl. of flange) and thickness</b>	<i>35" x 54"</i> ✓	
<b>Depth of Framing Girder</b>	<i>8"</i> ✓		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{4}$ len. from stem <i>Clear of Deck Tanks for</i> ✓	<i>3 1/2" x 3 1/2" x 46"</i> ✓	
<b>Frames in Uppermost Continuous tween Decks, Angle, [ or ]</b>	<i>7" x 3 1/2" x 38"</i> ✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{4}$ len. from stem	<i>✓</i>	
" " Second tween Decks, Angle, [ or ]	<i>- do -</i> ✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	<i>Continuous plate</i> ✓	
" " Third	<i>✓</i>		" " Gussets, spacing and scantling forward $\frac{1}{4}$ len. from stem	<i>✓</i>	
<b>Framing in Peaks, Angle, [ or ]</b>	<i>9" x 4" x 3 1/2" x 50"</i> ✓ <i>8" x 6" x 3 1/2" x 52" Approved</i>		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	<i>68 1/2" x 41"</i> ✓	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	<i>7/8" @ 5 3/4"</i> ✓		<b>INNER BOTTOM PLATING.</b>		
<b>State if Frame Joggled</b>	<i>yes</i> ✓		Breadth and thickness of Middle Line Strake	<i>54" x 52"</i> ✓	
<b>FRAMING ARRANGEMENTS (Sec. 7), state system and particulars</b>	<i>Rule and/or as approved</i> ✓		Thickness of remainder in Holds	<i>44"</i> ✓	
<b>STRENGTHENING OF BOTTOM FORWARD. State Particulars</b>	<i>Rule and/or as approved</i> ✓		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. <del>space</del> <i>space and framing in Bunkers and Boiler Room?</i> ✓	<i>yes</i> ✓	
<b>DOUBLE BOTTOM.</b>			<b>BEAMS.</b>		
<b>Floors, Depth and thickness at mid-line in Holds</b>	<i>✓</i>		<b>Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]</b>	<i>7" x 38" x 3 1/2" x 50"</i> ✓	
Height of Brackets at side above base line at toe of frame	<i>✓</i>		" " in way of Bridge, Angle, [ or ]	<i>- do -</i> ✓	
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b>	<i>✓</i>		Spacing	<i>every frame</i> ✓	
" " Through Plate or Intercostal Plate	<i>✓</i>		<b>Second Deck, amidships, Angle, [ or ]</b>	<i>9" x 36" x 3 1/2" x 54"</i> ✓	
" " Foundation Plate on Floors	<i>✓</i>		Spacing	<i>every frame</i> ✓	
" " Flat Plate Keel Angles	<i>✓</i>		<b>Third Deck, amidships, Angle, [ or ]</b>	<i>8" x 42" x 3 1/2" x 52"</i> ✓	
<b>Side Keelsons, No. each side</b>	<i>✓</i>		Spacing	<i>every frame</i> ✓	
" " thickness of Intercostal Plate	<i>✓</i>		<b>Fourth Deck, amidships, Angle, [ or ]</b>	<i>✓</i>	
" " Angles	<i>✓</i>		Spacing	<i>✓</i>	
<b>DOUBLE BOTTOM.</b>			<b>Poop Deck, Angle, [ or ]</b>	<i>✓</i>	
<b>Solid Floors, thickness and spacing</b>	<i>42" @ 31"</i> ✓		Spacing	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>yes</i> ✓		<b>Bridge Deck, Angle, [ or ]</b>	<i>✓</i>	
<b>Bracket Floors, breadth and thickness at middle line</b>	<i>✓</i>		Spacing	<i>✓</i>	
" " breadth and thickness at margin plate	<i>✓</i>		<b>Forecastle Deck, Angle, [ or ]</b>	<i>8" x 3 1/2" x 36"</i> ✓	
			Spacing	<i>every frame</i> ✓	



# 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.
<b>PILLARS, No. of Rows.....</b>	<i>Two</i>		Stringer Plate, breadth and thickness in way of Bridge .....	✓	
„ in 'tween Decks, Size and Spacing ....	<i>wide</i>		Thickness of Plating abreast Deck openings in way of Wells <i>THROUGHOUT</i> .....	<i>.42</i> <i>70-34 AFT.</i> ✓	
„ „ „ „ „	<i>space</i>		Thickness of Plating abreast Deck openings in way of Bridge <i>MOTOR CRANE</i> .....	<i>.42</i> ✓	
„ in Holds „ „	<i>as approved.</i>		Thickness of Plating within line of openings.....	<i>.34</i> ✓	
„ „ „ „ „			If Sheathed, material and thickness .....	✓	
<b>Centre Line Bulkhead.</b>			<b>Third Deck.</b>		
Stiffeners and Spacing.....	✓		Stringer Plate, breadth and thickness.....	<i>51 x .38</i> ✓	<i>app. 49 x .38</i> ✓
Plating, thickness of .....	✓		If Plated, state thickness. <i>ABREAST OPENINGS</i> .....	<i>.34</i> ✓	
<b>STRINGERS AND DECKS.</b>			„ <i>IN LINE OF OPENINGS</i> .....	<i>.30</i> ✓	
<b>Uppermost Continuous Deck.</b> <i>AMIDSHIP</i> ✓			<b>Fourth Deck.</b>		
Stringer Plate, breadth and thickness <i>in Wells</i> .....	<i>79 1/2 x .60</i>	<i>app. 61 1/2 x .64</i>	Stringer Plate, breadth and thickness.....	✓	
„ „ „ <i>CLEAR OF DECKHOUSE</i> .....	<i>62 1/2 x .63</i> ✓		If Plated, state thickness .....	✓	
„ „ „ <i>in way of Bridge</i> .....			<b>Poop Deck.</b>		
„ Angle <i>in Wells</i> <i>AMIDSHIPS</i> .....	<i>6 x 6 x .64</i> ✓		Stringer Plate, breadth and thickness .....	✓	
Thickness of Plating abreast Deck openings <i>in way of Wells</i> <i>CLEAR OF MIDSHIP DECKHOUSE</i> .....	<i>.47</i> <i>70-40 FORE.</i> ✓	<i>app. 45 1/2 x .36</i> ✓	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge <i>MIDSHIP DECKHOUSE</i> .....	<i>.47</i> ✓		<b>BOAT BRIDGE Deck.</b>		
Thickness of Plating within line of openings.....	<i>.40</i> ✓		Stringer Plate, breadth and thickness.....	<i>59 x .30</i> ✓	
If Sheathed, material and thickness <i>ABREAST POOP HOUSE. DECK COVERING</i> .....	<i>2</i> ✓		Plating, Sheathing, material and thickness ..	<i>24 x 3 ASBESTOS. FWD .20.</i> ✓	
<b>Second Deck.</b> <i>AMIDSHIP</i> ✓			<b>Forecastle Deck.</b>		
Stringer Plate, breadth and thickness <i>in Wells</i> .....	<i>50 3/4 x .48</i> ✓	<i>app. 49 x .48</i> ✓	Stringer Plate, breadth and thickness.....	<i>42 1/2 x .36</i> ✓	
			Plating, Sheathing, material and thickness ..	<i>.36</i> ✓	

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if joggled? <i>No.</i>			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.									
FLAT PLATE KEEL .....	52"✓	.88✓	.78✓	.78✓	app. 78 to .68 at ends. .10 burners increase✓	double✓	<i>See list 19/4/39</i>	3.4✓	four✓	1✓	4✓	Inside Straps✓	
" DBLG. (if any) <i>GABD.</i>	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes ...4.....	8 STRAKE "C&D"✓	.70✓	.70✓	.62✓	10 burners increase✓	double✓	7/8✓	3.4✓	treble✓	7/8✓	3 1/8✓	Lapped✓	
BILGE PLATING, No. of Strakes .....4.....	✓	.60✓	.50✓	.52✓		-do-✓	"✓	"✓	-do-✓	"✓	"✓	"✓	
SIDE PLATING, No. of Strakes .....4.....	✓	.60✓	.46✓	.46✓		-do-✓	"✓	"✓	-do-✓	"✓	"✓	"✓	
UPPER DECK, Sheer-strake in Wells <i>AMP</i>	63✓	.69✓	.46✓	.46✓		-do-✓	"✓	✓	four✓	"✓	3 1/2✓	"✓	
UPPER DECK, Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer-strake in Wells <i>AMP</i>	63✓	.63✓	.46✓	.46✓		double✓	7/8✓	3.4✓	four✓	7/8✓	3 1/2✓	Lapped✓	
STRAKE BELOW Sheer-strake in Bridge ...	✓	.65✓ <i>see list 14.2.41</i>	✓	✓		✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING .....	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
FORECASTLE SIDE PLATING	✓	✓	.42✓	✓		Single✓	3/4✓	3✓	Single✓	3/4✓	2 5/8✓	Lapped✓	

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck/		I.E. SHELTER DECK.		One. ✓	
Deck next below				Six. ✓	
As per Rule				Seven. ✓	
		STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
W.T. BHD.					
MIDSHIP BULKHD		Upper tween decks			
"		Second	"		
"		Third	"		
"		Holds	.....		
COLLISION		(in Hold)	.....		
AFTER PEAK		"	"		
		{UPPER	LOWER..		
		CENTRE GIRDER	---		
		8x3 1/2x.40			
		BETWEEN	TUBES		
		C.G.			

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
<b>KEEL, Bar</b> <i>Flat plate keel</i> .....	✓	✓	✓	✓
<b>STEM</b> <i>Rolled bar</i> .....	✓	<i>9 1/2 x 2 1/4</i> ✓	✓	✓
<b>STERN FRAME</b> { Propeller Post ..... Rudder „ .....	FORGING	<i>20</i> ✓	<i>Harland and Wolff.</i> ✓	✓
<b>Speed of Vessel</b> .....		<i>15 1/2 knots.</i> ✓		
<b>RUDDER—Type</b> .....		<i>ORDINARY STREAM LINED.</i> ✓		
„ A x D .....		<i>AREA 160.5</i> ✓	<i>SQ. FT.</i> ✓	
„ Diam. of <i>head</i> STOCK.....		<i>F.S. 12 5/8</i> ✓	<i>T. FIRTH &amp; T. BROWN LTD.</i> ✓	
„ Mainpiece at top pintle .....		<i>F.S. 12 5/8</i> ✓	<i>H &amp; W. LTD.</i> ✓	
„ „ heel ...		<i>F.S. 9 1/2</i> ✓	<i>H &amp; W. LTD.</i> ✓	
„ how constructed .....		<i>F.S. FRAME WITH SIDE PLATES E.W.</i> ✓		
„ double or single plate .....		<i>DOUBLE.</i> ✓		
„ coupling, vertical or horizontal .....		<i>VERTICAL</i> ✓		

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Open Hearth Steel.* ✓  
*Colvilles Ltd.; Consett Iron Co; Steel Company of Scotland. Lanarkshire Steel Co.*  
*Smith & McLean Ltd; Stewart & Floyds Ltd. The River Kent & Bolt Co.*  
 Has the Steel been tested as required by the Rules? *Yes.* ✓







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.)

Scuppers in second deck i.e. draining shelter tween decks are led to the hold bidge. Steel bulkheads with tonnage openings are fitted in the shelter tween decks vertically over the W.T. Bulkheads. In accordance with the requirements of Freeboard Assignment the tonnage openings to these bulkheads are closed by steel plates and hook bolts fitted substantially watertight with suitable jointing material. The hook bolts are spaced about 13" apart and plates hose tested in position. With reference to Secretary's letter April 19th 1939 it is pointed out that butts of decks (excepting crowns in way of deep and bunker tanks) are riveted.

The tiller forging report Glasgow no 9189, is enclosed. The Rudder forging report is included in Sheffield Report 33081 along with reports of sister vessels 1026 and 1028 & will be forwarded on completion of these vessels. Plans of the vessel were enclosed with sister vessels and are retained in this office for reference in dealing with sister vessel nos 1028. An interim certificate without subject has been issued a copy being herewith attached.

Sister vessels:- S.S. "PARDO" Belfast Report no. 12723. Same Builders yard no 1025.  
S.S. "POTARO" " " " 12809. " " " 1026.

\* Particulars of Cement Coatings:- Hot D. Bottom tank butts & seams cement fillets & cement washed; nos 2, 3, 5 and 6 D.B. tanks - oil fuel or water Ballast - cement fillets only; nos 4 & 7 D.B. tanks fresh water - inside strakes flushed up with Bitumastic & remainder of tank coated with Bitumastic enamel. Fore & after peak tanks - pockets cemented & remainder of tanks coated with Bitumastic. Tunnel side fresh water tanks coated with Bitumastic & cargo oil tanks - coated cotton seed oil.

PARTICULARS OF ELECTRIC WELDING:- Boundary bulkheads, tank tops & connections of oil fuel bunkers, deep tanks forward, tunnel side cargo oil and fresh water tanks port & starboard. Deck girders to decks, deck stringers to shell (except exposed strakes). Nos 1 and 7 double bottom tank top carried out to shell & welded thereto, the side frames being carried through tank top and tanks made watertight in way by means of welded chocks. Electric welding is employed extensively throughout vessel in attachment of bulkhead stiffeners, brackets, tunnel side stiffeners, and in minor non-strength members. It is also extensively used in the built forged steel stern frame.

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

Cruiser Stern, E.S.D. G.Y.C. D.F.  
oil eng. "Carrying cargo oil, F.P. above 150°F. in forward deep tanks and tanks at sides of tunnel".  
Lloyds A and C.P.

Particulars of Drop Test of Cast Steel Anchors, viz.:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	43-1-22	J.D.	2484	16:12:39	weight including pins & blocks	44-2-18.
	2nd "	42-2-0	J.D.	2496	23:12:39	- do -	- do - 43-2-24.
	3rd "	42-1-0	J.D.	2483	16:12:39	- do -	- do - 43-1-24.

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 ☒ on shelter deck.

No. and Material of Decks one deck (steel) and shelter deck (steel) 3rd deck (steel) except in way no 5 hold.  
EXTREME BREADTH 61'-4" OVERALL LENGTH. 450'-3"

Official No. 168055. ; Signal Letters G. P. K. B. Is bottom of vessel coated with cement See above \* if not give particulars of composition. See above \*

#### PARTICULARS OF WATER BALLAST.-

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	126.58	367.	Fore peak tank,	22.0	47.
Double bottom, under Engines and Boilers,			After peak tank,	24.0	206.
Double bottom, if under Engines only, <small>LUB. OIL TANK 41 TON NOT INCLUDED.</small>	54.25	316.	Deep tank, aft, FRS 54/65 p 95. EDIBLE OIL OR WATER B.	28.42	160.
Double bottom, if under Boilers only,			Deep tank, forward, CARGO OIL OR WATER BALLAST.	56.25	760.
Double bottom, forward,	187.00	647.	Other tanks, if fitted, FRS 49/53 p 95. TUNNEL SIDE F.W. ONLY.	10.33	92.
	Total capacity of double bottom	1330	(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. 880

Date 30. 5. 39

Dates of Surveys held while building

1939 July 4 Aug 3. 8. 16. 24. 28 Sept 4. 11. 13. 17. 28 Oct 17. 23. 26. 27. 31 Nov 7. 15. 24. 30 Dec 4. 13  
1940 Jan 1. 15. 22. 24. 30 Feb 1. 8. 14. 16. 20. 22. 23. 26. 29 Mar 1. 5. 6. 7. 8. 11. 15. 19. 20. 22. 27  
Apr 1. 4. 5. 10. 12. 17. 18. 19. 26 May 2. 9. 14. 22 June 7. 21 July 1. 16. 23. 25 Aug 5. 9. 20. 27. 28. 29  
Sept 4. 12. 13. 16. 18. 27. 28. 30 Oct 1. 2. 3. 4. 10. 11. 12. 14. 16. 18. 21. 22. 23. 24. 25. 28. 29. 30. 31 Nov 1. 2. 5. 9  
1941 Dec 2. 5. 6. 11. 13. 16. 19. 20. 23. 27. 30 Jan 2. 3. 6. 7. 9. 13. 14. 15. 16. 17. 18. 20. 21. 23  
Total No. of Visits 129