

STEEL ~~STEAMER~~ or MOTORSHIP.

Received at London Office

8 FEB 1937

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

1st February 1937

Port of

Newcastle on Tyne

No.

94656

Survey held at

Wallsend on Tyne

Date First Survey

31st Dec/1935

Last Survey

18 Jan 1937

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

Twin Screw M.S. "Port Jackson"

machinery amidships

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

Complete Superstructure with tonnage opening

State Type of Erections

Book Bridge & File on upper deck

TONNAGE under Tonnage Deck

7668.54

CLASS

+ 100 A1

State if with freeboard as condition of Class

Yes

Built at

Wallsend on Tyne

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

910.0

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

L 495.5

Launched

26 Nov. 1936

Yard No. 1515

Total

8578.54

Breadth (greatest moulded)

B 68.0

Builders

Luan Hunter & Wigham

Richardson Ltd.

Gross Tonnage

9687.17

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

D 41.5

Owners

Commonwealth & Dominion Line Ltd.

Register Tonnage

5825.78

1st Longitudinal Number (L x D)

20523

Managers

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

2nd Numeral L x (B + D)

54217

Residence

REGISTERED DIMENSIONS. FEET.

Length

500.6

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

17.33

Port of Registry

London

Breadth

68.2

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

11.93

If surveyed while building, afloat, or in dry dock

Depth

29.8

Do. Long Bridge to top of keel

9.99

Draught Moulded

28-3 1/2

Special Survey

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	33 ✓		Bracket Floors, Frame	5 8 x 3 1/2 x 35 ✓	
" " from 3/4 length to Collision bulkhead	27 ✓		" " Reversed Frame	5 8 x 3 1/2 x 35 ✓	
" " in peaks	24 Fore Peak ✓ 22-27 1/2 Aft Peak ✓		" " Vertical Struts	5 9 x 3 1/2 x 37 1/2 ✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	60 x 35 ✓	
Frame Amidships, Angle, [or]	9 x 3 1/2 x 3 1/2 ✓	50/54 ✓	" " top Angles	3 1/2 x 3 1/2 x 53 ✓	50/54 ✓
" " Extends up to	Upper Bridge str. etc. ✓		" " bottom Angles	5 x 5 x 59 ✓	50/54 ✓
Reversed Frame Amidships, Angle	4 x 3 1/2 x 56 ✓	(3 1/2 ft. & frame) ✓	Side Girders, No. each side and thickness	Two @ 40 ✓	
" " Extends up to	3rd str. ✓		Margin Plate depth (excl. of flange) and thickness	48 x 58 ✓	
Depth of Framing Girder	9" ✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	6 x 6 x 50 ✓	T bar ✓
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	9 x 3 1/2 x 3 1/2 ✓	50/54 ✓	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	6 1/2 x 6 1/2 x 55 ✓	T bar ✓
" " Second 'tween Decks, Angle, [or]	ditto ✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	Continuous ✓	
" " Third " " "	Framing also as per plans ✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	Cusset plate ✓	
Framing in Peaks, Angle or [or]	Fore Peak 9 x 3 1/2 x 37 1/2 ✓ Aft 7 x 3 1/2 x 42 ✓	50/54 ✓	Tank Side Brackets, height above base line at toe of Frame and thickness	75 1/4 x 48 ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 @ 5 1/2 ✓	7" Centre to centre ✓	INNER BOTTOM PLATING.		
State if Frame Joggled	Yes ✓		Breadth and thickness of Middle Line Strake	59 x 58 ✓	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Deep frames 9 x 3 1/2 x 54 1/2 ✓ with 6 x 4 x 50. No. 53 ✓ Framing 11 Girders ✓ Stringers as approved ✓		Thickness of remainder in Holds	50 ✓	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	3 Strake, Shell plating 10 1/2 x 2 x 5/16 thickness from 1/2 L to Collision Bulk. Additional intercostals ✓ Bottom frames 50/54 ✓		Are Rule requirements complied with regarding increases of panning in way of double bottom in E & B space and framing in O.F. Bunkers and Boiler Room?	Yes ✓	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	8 x 3 1/2 x 3 1/2 x 41 ✓	36/52 Clear of br. str.
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]	9 x 3 1/2 x 3 1/2 x 44 ✓	54/54
Middle Line Keelson, on Floors, Angles, [or]			" " Spacing	Also 3 1/2 x 30 No. in way chilled meat rooms ✓	
" " Through Plate or Intercostal Plate	✓		Second Deck, amidships, Angle, [or]	9 x 3 1/2 x 3 1/2 x 44 ✓	54/54
" " Foundation Plate on Floors	✓		" " Spacing	with 3 1/2 x 3 x 44 No. in way chilled meat rooms ✓	
" " Flat Plate Keel Angles	✓		Third Deck, amidships, Angle, [or]	10 x 3 1/2 x 3 1/2 x 60 ✓	56/56
Side Keelsons, No. each side			" " Spacing	9 x 3 1/2 x 3 1/2 x 44 ✓	54/54
" " thickness of Intercostal Plate			Fourth Deck, amidships, Angle, [or]	✓	
" " Angles			" " Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	7 x 3 x 33 ✓	
Solid Floors, thickness and spacing	Generally every 3rd ft. ✓		" " Spacing	24 1/2 x 33 ✓	
" " Are Frame and Reversed Frame joggled?	Yes ✓		Bridge Deck, Angle, [or]	8 x 3 1/2 x 3 1/2 x 40 ✓	50/52
Bracket Floors, breadth and thickness at middle line	13 1/4 x 44 ✓		" " Spacing	33 ✓	
" " breadth and thickness at margin plate	31" x 44 ✓		Forecastle Deck, Angle, [or]	7 x 3 1/2 x 3 1/2 x 40 ✓	30/50
			" " Spacing	24 x 37 ✓	

PILLARS AND DECKS.			
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	
<i>Hollow</i>			
PILLARS, No. of Rows.....	<i>Two, widely spaced</i>		
Upper			
in tween Decks, Size and Spacing.....	<i>6 x .40 to 12 x .50</i>		
"	<i>also 12 x .50</i>		
"	<i>2nd Tween Deck</i>		
"	<i>8 x .43 to 16 x .56</i>		
in Holds	<i>13 x .52 to 24 x .85</i>		
"			
Centre Line Bulkhead.			
Stiffeners and Spacing.....	<i>✓</i>		
Plating, thickness of			
STRINGERS AND DECKS.			
Uppermost Continuous Deck.			
Stringer Plate, breadth and thickness in Wells	<i>70 x .88</i>		
" " " " in way of Bridge	<i>70 x .48</i>		
" Angle in Wells	<i>6 x 6 on flange</i> <i>7 x 7 x .81</i>		
Thickness of Plating abreast Deck openings in way of Wells	<i>.66</i>		
Thickness of Plating abreast Deck openings in way of Bridge	<i>.44</i>		
Thickness of Plating within line of openings.....	<i>.46 to .36</i>		
If Sheathed, material and thickness	<i>5 x 2 1/2" teak where 4' apart</i>		
Second Deck.			
Stringer Plate, breadth and thickness in Wells...	<i>70 x .48</i>		
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			
Thickness of Plating within line of openings.....			
If Sheathed, material and thickness			
Third Deck.			
Stringer Plate, breadth and thickness.....	<i>70 x .24</i>		
If Plated, state thickness.....	<i>.30</i>		
Fourth Deck.			
Stringer Plate, breadth and thickness.....	<i>✓</i>		
If Plated, state thickness			
Poop Deck.			
Stringer Plate, breadth and thickness	<i>40 1/2 x .40</i>		
Plating, Sheathing, material and thickness ..	<i>.34</i> <i>5 x 2 1/2" teak</i>		
Bridge Deck.			
Stringer Plate, breadth and thickness.....	<i>70 x .56</i>		
Plating, Sheathing, material and thickness ..	<i>.38 Sheathing 2 1/2" teak</i>		
Forecastle Deck.			
Stringer Plate, breadth and thickness.....	<i>.87 x .40</i>		
Plating, Sheathing, material and thickness ..	<i>.31 Sheathing 2 1/2" teak</i>		

SHELL PLATING.												
SCANTLINGS.						RIVETING.						
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	RIVETS.	No. of Rows of RIVETS.	RIVETS.	STRAPPED OR LAPPED.		
	Breadth.	Thickness.	Thickness.	Thickness.							SINGLE OR DOUBLE.	Diam.
	Inches.	Inches.	Inches.	Inches.		Inches.	Inches.	Inches.	Inches.			
FLAT PLATE KEEL	53	.96	.81	.81		8ble.	1	3 3/4	8ble Straps	1	3 3/4	Strapped
" DBLG. (if any)		1.08 in	Way	Strut Keel		in Way Strut Keel	1/8	4/8		1/8	4	
BOTTOM PLATING, No. of Strakes	A.B.C	.71	.55	.55		8ble	7/8	3 3/10	4 x 3	7/8	3 3/2	Lapped
BILGE PLATING, No. of Strakes	E	.71	.55	.55		"	"	"	"	"	"	"
SIDE PLATING, No. of Strakes	F.G	.68	.57	.57		X 8ble	"	"	X	"	"	"
UPPER DECK, Sheer-strake in Wells	L 80	.81	.57	.57		"	1	3 3/4		1	4	"
UPPER DECK, Sheer-strake in Bridge ...	L	.68				"	7/8	3 3/10	4	7/8	3 3/2	"
STRAKE BELOW Sheer-strake in Wells	K 80	.73	.57	.57		"	1	3 3/4	4 x 3	1	4	"
STRAKE BELOW Sheer-strake in Bridge ...	K	.68				"	7/8	3 3/10	4	7/8	3 3/2	"
POOP SIDE PLATING42		Single	3/4	3	8ble	3/4	3	"
BRIDGE SIDE PLATING65				one Strake			4	7/8	3 3/2	"
FORE'C'TLE SIDE PLATING			.46			Single	3/4	3	Single	3/4	3	"

WATERTIGHT BULKHEADS.					FORGINGS and CASTINGS.				
Total No. of W.T. BULKHEADS in Vessel— 8 ✓									
Extending to Upper Deck (Sec. 3 c) One i.e. fore peak Bulk ✓									
" Deck next below 7 ✓									
As per Rule 8 ✓									
STIFFENERS.									
Plating Thickness.	VERTICAL.		HORIZONTAL.						
	Scantlings.	Spacing.	Scantlings.	Spacing.					
96 ft									
MIDSHIP BULKHEAD, Upper tween decks	26 ✓ 5-28	3 x 2 x 30- I	27 1/2 ✓ 32	✓					
" " Second "									
" " Third "									
" " Holds	31 1/2 x 1/2 I	7 1/2 x 6 x 30- I	29 1/2 ✓ 30 1/2	✓					
COLLISION									
" (in Hold)	22 1/2 ft. 35-36	7 x 3 x 43- I	24 ✓ 30 1/2	✓					
AFTER PEAK									
" "	7 ft. 33-34	11 x 4 x 46 8 x 4 x 35-36	24 1/2 ✓ I	✓					
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) open Hearth process									
STEEL. Consell Iron Co. Norman Long Co. Skinningrove Iron Co. South Durham S.F.F. Co.									
Calvilles Ltd. Appleby - Frodingham & Cargo Fleet.									
Has the Steel been tested as required by the Rules? Yes									
					KEEL, Bar Flat-plate Keel ✓				
					STEM Rolled steel bar plate ✓				
					STERN FRAME { Propeller Post Cast Steel ✓ Rudder Steel ✓				
					Speed of Vessel 16 knots ✓				
					RUDDER—Type Semi balanced / Holsingham Steel Co. ✓				
					" A x D modified 806 ✓				
					" Diam. of head Rudder Stock 14 1/8 of forged ingot ✓				
					" Mainpiece at top pintle 11 1/2 x 15 1/2 ✓				
					" " heel 7 1/2 x 10 ✓				
					" how constructed Cast Steel ✓				
					" double or single plate 806 1/2 plate 8 space ✓				
					" coupling, vertical or horizontal between filled with White wood ✓				

[illegible]

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 *motor ship*
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. *NO* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

Oil fuel having flash point not lower than 150° F. is carried in *nos 34, 35*
34 fwd. *4A, 4B, 5* double bottom tanks, also at sides of tunnels in
nos 4 & 5 holds & in lower tweendecks in Motor Room.

This Vessel has been constructed in accordance with the approved plans & the Secretary's letters & generally conforms with the Society's Rules for the Class Contemplated. ✓

The materials & workmanship are good. ✓
nos 1-5 Holds upper & lower tweendecks have been insulated for the carriage of refrigerated cargoes. ✓
A duct keel is fitted between frames 93 & 152. ✓
The weather decks, W.T. bulkheads, tunnels, W.T. doors, meat port doors, decks & shell in any insulated spaces have been hose tested. ✓

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.)

Found Satisfactory. All double bottom tanks, double keel, fore & after peaks & oil fuel bunkers have been tested as required by the Rules & found Satisfactory. ✓
The assigned freeboards have been marked on vessel's sides, verified & cut in. ✓

The W.T. & minor bulkheads, the wing & transverse oil fuel bunkers, the divisions in double bottom, the tunnels, the deck houses generally, also masts, derrick posts, pillars & many other items have been electrically welded, with Cresta electrodes. ✓

The approved plans (42 in number) including midship Section & profile as built, also Forging Certificates are sent herewith. ✓

Note. This vessel is somewhat similar to the T.S.M.S. Port Townsend the same Builders No 1495.

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

Double keel forward of machy. Space 15'-9".
Cruiser Stern.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.		C. gr. lbs.		with pins C. gr. lbs.			
		1st Bower	2nd "	3rd "			
	1st Bower	56. 3. 26	57. 1. 2	56. 3. 22	62. 1. 7	62. 2. 21	62. 1. 7
	2nd "				No 1110	11.6.36	J.D. ✓
	3rd "				No 1093	27.5.36	J.D. ✓
					No 1095	27.5.36	J.D. ✓

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 27.3 ft., R.Q.D. ✓ ft., Bridge 231.0 ft., Forecastle 92.5 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Shelter deck with tonnage opening. ✓

No. and Material of Decks 2 xxs. & Shelter xk. Steel. ✓

Official No. 165383 ; Signal Letters ✓

Is bottom of vessel coated with cement No 1.2A & 2B. ✓ if not give particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Length.		Water Capacity.	Where Fitted.	Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	145.75 ✓	838		Fore peak tank,	25.6 ✓	71 ✓	
Double bottom, under Engines and Boilers,	60.5 ✓	396		After peak tank,	18.0 ✓	120 ✓	
Double bottom, if under Engines only,				Deep tank, aft, O.F. at Sides of tunnels	44.0 ✓	1680 F. ✓	
Double bottom, if under Boilers only,				Deep tank, forward, O.F. in Motor Room or W.B.	52.3 ✓	455 ✓	
Double bottom, forward,	212.25	962		Other tanks, if fitted, Settling tank	16.6 ✓	42 ✓	
	Total capacity of double bottom		2196	(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. 5507	Dates of Surveys held while building	1935 Dec. 31. 1936 Jan. 14. 17. 29. 30. 2. 6. 7. 12. 17. 24. 28. Mar. 2. 3. 4. 5. 9. 10. 13. 17. 25. 26. 27. 30. Apr. 3. 6. 14. 15. 16. 21. 28. May 1. 4. 7. 8. 12. 14. 19. 22. 27. June 2. 4. 10. 11. 17. 30. July 1. 3. 6. 10. 14. 15. 20. 22. 23. 24. 27. 30. 31. Aug. 4. 5. 6. 7. 10. 11. 13. 17. 19. 20. 26. 28. 31. Sep. 1. 3. 9. 10. 14. 16. 18. 22. 24. Oct. 8. 12. 19. 20. 22. 28. 29. Nov. 2. 3. 4. 6. 12. 16. 19. 20. 23. 26. Dec. 1. 2. 3. 7. 8. 14. 29
		1937 Jan. 6. 11. 13. 15. 18.
Date 16.1.36		Total No. of Visits 114.

Lloyd's Register Foundation