

STEEL ~~STEAMER~~ or MOTORSHIP.

Received at London Office - 2 JUN 1925

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 *28 May 1925*Port of *Belfast*Survey held at *Belfast*Date First Survey *10 Oct 1924*Last Survey *26 May 1925*No. *Q352*On the *State of Machinery fitted Aft and Twin Screw Motor**"PORT DUNEDIN"**Mach. Amstr.*State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)**Complete superstructure with tonnage opening*State Type of Erections *Feller*TONNAGE under Tonnage Deck... *6759.38*CLASS *+100A1*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 465.0*Launched *12 March 1925* Yard No. *477*Total *6759.38*

Breadth (greatest moulded)

*B 59.5*Builders *Hatman Clark & Co. Ltd.*Gross Tonnage *7463.44*

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

*D 43.75*Owners *Commonwealth & Dominion Lines Ltd.*Register Tonnage *4453.14*1st Longitudinal Number (L x D) = *20343*Managers *do*

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

2nd Numeral L x (B + D) = *48,011*Residence *London*

REGISTERED DIMENSIONS. FEET.

Length *466.9*Breadth *59.8*Depth *31.3*

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

10.62

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

10.62

Do. Long Bridge to top of keel

Draught Moulded *29.4 1/2*

If surveyed while building, afloat, or in dry dock

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.
FRAMES, Spacing amidships	<i>33</i>	<i>✓</i>	Bracket Floors, Frame	<i>L 8 3 1/2 41</i>	<i>✓</i>
" " from 1/2 length to Collision bulkhead	<i>27</i>	<i>✓</i>	" " Reversed Frame	<i>L 8 3 1/2 41</i>	<i>✓</i>
" " in peaks	<i>24</i>	<i>✓</i>	" " Vertical Struts	<i>L 8 3 1/2 42</i>	<i>7 1/2 x 3 x 38 1/2</i>
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>47 1/4 x 64</i>	<i>(60 x 70 in MS)</i>
Frame Amidships, Angle, [or]	<i>9 x 38 x 3 1/2 x 50</i>	<i>✓</i>	" " top Angles <i>double</i>	<i>3 1/2 3 1/2 59</i>	<i>✓</i>
" " Extends up to	<i>upper deck</i>	<i>✓</i>	" " bottom Angles <i>double</i>	<i>5 5 69</i>	<i>✓</i>
Reversed Frame Amidships, Angle	<i>4 3 1/2 50</i>	<i>✓</i>	Side Girders, No. each side and thickness	<i>2 @ 46</i>	<i>✓</i>
" " Extends up to	<i>3rd deck</i>	<i>✓</i>	Margin Plate depth (excl. of flange) and thickness	<i>44 x 59</i>	<i>✓</i>
Depth of Framing Girder	<i>9</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	<i>6 6 50</i>	<i>✓</i>
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	<i>9 x 3 1/2 x 38</i>	<i>✓</i>	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	<i>do</i>	<i>✓</i>
" " Second 'tween Decks, Angle, [or]	<i>do</i>	<i>✓</i>	" " Gussets, spacing and scantling abaft 1/2 len. from stem	<i>Continuous plate 19 x 48 1/2</i>	<i>✓</i>
" " Third " " " "	<i>✓</i>	<i>✓</i>	" " Gussets, spacing and scantling forward 1/2 len. from stem	<i>do</i>	<i>✓</i>
Framing in Peaks, Angle, [or]	<i>9 3 1/2 48</i>	<i>✓</i>	Tank Side Brackets, height above base line at toe of Frame and thickness	<i>6 9 1/2 (7-6 MS)</i>	<i>✓</i>
Diameter and Spacing of Rivets through Shell Plating	<i>7/8 @ 6 dia</i>	<i>✓</i>	INNER BOTTOM PLATING.		
State if Frame Joggled	<i>joggled amidships</i>	<i>✓</i>	Breadth and thickness of Middle Line Strake	<i>75 x 58</i>	<i>✓</i>
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	<i>34 frames R B = 10 girders 3 stringers each side 2 tier panting beams in hold</i>	<i>✓</i>	Thickness of remainder in Holds	<i>49</i>	<i>✓</i>
STRENGTHENING OF BOTTOM FORWARD. State Particulars	<i>Extreme transversals each side Double 4 x 3 1/2 x 50 frames on each floor 3 stringers each side of midship thickness</i>	<i>✓</i>	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>	<i>(motor ship)</i>
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Walls, Angle, [or]	<i>7 x 3 1/2 x 40 50</i>	<i>✓</i>
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or]	<i>- - -</i>	<i>✓</i>
Middle Line Keelson, on Floors, Angles, [or]			Spacing	<i>every frame</i>	<i>✓</i>
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, [or]	<i>8 x 3 1/2 x 38 50 8 x 3 x 50 50</i>	<i>✓</i>
" " Foundation Plate on Floors			Spacing	<i>every frame</i>	<i>✓</i>
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]	<i>9 x 3 1/2 x 38 50 (555)</i>	<i>✓</i>
Side Keelsons, No. each side			Spacing	<i>every frame</i>	<i>✓</i>
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, [or]		
" " Angles			Spacing		
DOUBLE BOTTOM.			Poop Deck, Angle, [or]		
Solid Floors, thickness and spacing	<i>45 every 3rd frame</i>	<i>✓</i>	Spacing		
" " Are Frame and Reversed Frame joggled?	<i>yes midships</i>	<i>✓</i>	Bridge Deck, Angle, [or]		
Bracket Floors, breadth and thickness at middle line	<i>36 x 45</i>	<i>✓</i>	Spacing		
" " breadth and thickness at margin plate	<i>26 x 45</i>	<i>✓</i>	Forecastle Deck, Angle, [or]	<i>10 x 3 1/2 x 38 50</i>	<i>✓</i>
			Spacing	<i>Alternate frames</i>	<i>✓</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.
PILLARS, No. of Rows.....				✓	Stringer Plate, breadth and thickness in way of Bridge	-	-	-	
" in 'tween Decks, Size and Spacing.....				✓	Thickness of Plating abreast Deck openings in way of Wells42		✓
" " " " " "					Thickness of Plating abreast Deck openings in way of Bridge	-	-	-	
" in Holds " " "				✓	If Sheathed, material and thickness				
" " " " " "					Third Deck.				
Centre Line Bulkhead.					Stringer Plate, breadth and thickness.....	70½	x	.40	✓
Stiffeners and Spacing.....					<i>in way of bulkheads</i>	73½	x	.44	✓
Plating, thickness of					If Plated, state thickness.....	.36		(.42 in way of bulkheads)	✓
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....	-	-	-	
Stringer Plate, breadth and thickness in Wells	67½	x	.66	✓	If Plated, state thickness	-	-	-	
" " " " in way of Bridge	-	-	-		Poop Deck.				
" Angle in Wells	6	6	.64	✓	Stringer Plate, breadth and thickness	-	-	-	
Thickness of Plating abreast Deck openings in way of Wells50	✓	Plating, Sheathing, material and thickness ..	-	-	-	
Thickness of Plating abreast Deck openings in way of Bridge	-	-	-	✓	Bridge Deck.				
If Sheathed, material and thickness <i>P. Pine.</i>		3½		✓	Stringer Plate, breadth and thickness.....	-	-	-	
Second Deck.					Plating, Sheathing, material and thickness ...	-	-	-	
Stringer Plate, breadth and thickness in Wells...	51	x	.46	✓	Forecastle Deck.				
	56	x	.46	✓	Stringer Plate, breadth and thickness.....	36	x	.38	✓
					Plating, Sheathing, material and thickness ...	3" P. Pine		.36	✓

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.		Spacing cr. to cr.
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	52	1	.84	.81	Rule 52 x .91 App ^d	double	1	3.66	triple	1	3 1/2	strapped
2-way duct keel	52	1.09			52 x 1.00 App ^d		1 1/8	4		1 1/8	4	
" DBLG. (if any)		none										
BOTTOM PLATING, No. of Strakes ... 4		70	55 1/2	65 1/2	68 1/2		7/8	3.3	2 quad	7/8	3 1/2	lapped
BILGE PLATING, No. of Strakes		70	55	61	3 strakes to maintain collision bulkhead							
SIDE PLATING, No. of Strakes		68	51	51		D + T	7/8	3.3	T	7/8	3/8	"
UPPER DECK, Sheer-strake in Wells	80	80	57	52	App ^d 80 x .77 1/2 .51	3 shell seams on sides	triple		craft in peaks (gunners requirement)			
UPPER DECK, Sheer-strake in Bridge ...						D	-	-	2 quad	1	4	lapped
STRAKE BELOW Sheer-strake in Wells		71	52	52	App ^d .68 1/2 .51	D	1	3.66	2 quad	7/8	3 1/2	lapped
STRAKE BELOW Sheer-strake in Bridge ...												
POOP SIDE PLATING												
BRIDGE SIDE PLATING ...												
FOREC'TLE SIDE PLATING			.44			5.	7/8	3.3	5.	7/8	3/8	lapped

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— 8 ✓

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

„ Deck next below 7 ✓

As per Rule 7 ✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	Flat plate			
STEM	Roll'd slab	$11\frac{1}{2} \times 3\frac{1}{8}$	Lanarkshire	$10\frac{3}{4}$ 278 appx.
STERN FRAME { Propeller Post	Cast Steel		Krupp	
{ Rudder	"		"	
Spitulate frame				
RUDDER—A & D	$17\frac{1}{2} \times 4.79$	✓	"	
Speed of Vessel	$13\frac{1}{2}$	✓		
RUDDER mainpiece at head ...	$16 - 13\frac{1}{2}$		Henschel & Sons Hartingen	$15\frac{9}{16} - 13$ $9\frac{3}{4}$
" " heel ...	$10\frac{1}{4}$			
" how constructed	Forged ingot steel		Armstrong	shrink
" double or single plate	on + Krupp.			
" coupling, vertical or	single	$1' 06$		
horizontal	Horizontal			

STEEL.

						STEEL.	
Manufacturer's name or trade mark of the Steel used in the construction of the							
"	"					Vessel (state process of manufacture)	<i>Open Hearth. G. Kern.</i>
"	"	Holds	<i>106</i>	<i>43-30</i>	<i>11-8½ x 3½ x 53 [@ 30"</i>	✓	
COLLISION	"	(in Hold)	<i>/68...</i>	<i>56-35</i>	<i>6-3 x 38 [@ 24"</i>	✓	<i>Port "Galbat, Cargo "Fleet. Dusseldorf</i>
AFTER PEAK	"	"	<i>9....</i>	<i>44-30</i>	<i>10-3½ x 46 [@ 24</i>	✓	Has the Steel been tested as required by the Rules? <i>Yes.</i>

EQUIPMENT No. <u>49,019</u>												LETTER <u>E+</u>		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.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.				
<u>58481</u>	1st Bower ...	<u>86</u>	<u>3</u>	<u>4</u>	<u>STOCKLESS</u>			<u>61</u>	<u>17</u>	<u>2</u>	<u>0</u>	<u>85.5</u>	✓	<u>Taylor's Drawnought S. Taylor</u>		<u>Septm 27/10/24 Leeson</u>
<u>58478</u>	2nd „ ...	<u>86</u>	<u>1</u>	<u>14</u>	<u>“</u>			<u>61</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>85.5</u>	✓	<u>“</u>	<u>“</u>	<u>“ 24/10/24 Drysdale</u>
<u>58479</u>	3rd „ ...	<u>86</u>	<u>0</u>	<u>10</u>	<u>“</u>			<u>61</u>	<u>10</u>	<u>0</u>	<u>0</u>	<u>78.5</u>	✓	<u>“</u>	<u>“</u>	<u>“ “ “</u>
	Collective weight.	<u>259</u>	<u>1</u>	<u>0</u>								<u>244.5</u>	✓	<u>“</u>	<u>“</u>	<u>“ “ “</u>
<u>58514</u>	Stream	<u>25</u>	<u>1</u>	<u>16</u>	<u>6</u>	<u>1</u>	<u>12</u>	<u>25</u>	<u>1</u>	<u>2</u>	<u>7</u>	<u>25.0</u>	<u>0</u>	<u>Iron Stock</u>	<u>“</u>	<u>“ 24/11/24 “</u>

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.					Length.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. qrs. lbs.	Cwts.	Fathoms.	Ins.							Fathoms.	Ins.	Tons.	Fathoms.	Ins.
28043	300	2 9/16	116.7	163 3/8	991.2	14	989.0	0.0	300	2 9/16	Steel	S. Taylor	Cardiff 9/11/24 Jones	Spec. 4 5 wire TOWLINE...	130	5 1/2	88	130	6
Iron Stream Chain or Steel Wire		Cir.												Spec. 8 HAWSERS & WARPS	4 1/10	3 1/2	26	40/100	2 3/4
	120	4 3/4		65 1/2			120	5 1/4	Spec. 4 Flex.										

Steering Gear, ~~Steam~~ Electric Hydraulic Mastie Steering Gear, Hand none.

Boats 4 Steering Chains, Size and Test none Windlass John Wilson. Electric.

Ceiling in Holds, thickness and material Insulated + 2 1/2 H+B. Cargo Battens, thickness, material and spacing Insulated + 6 x 2 P. 9"

Cargo Hatchways.-(Upper Deck) Steel with solid covers Thickness of Hatches 3"

Size of No. 1 Hatchway (Forward) 27-0 x 19-1 No. 2 30-3 x 19-1 No. 3 24-9 x 19-1 No. 4 30-3 x 19-1 No. 5 24-9 x 19-1 No. 6 "

Number of Shifting Beams and/or Fore and Afters N°1, 2 and 4 = 5 N°3 and 5 = 4.

PRO WORKMAN, CLARK & CO., LIMITED,
W. H. Sturtevant.
ASSISTANT SECRETARY.

Builder's Signature

GENERAL DECLARATION The materials & workmanship are good.

This vessel has been built in accordance with the approved plans and Secretary's letters, and otherwise in conformity with the Rules for the class contemplated. The double bottom, duct keel, Peaks, bil bunkers & tween deck bunkers, decks, tunnel, bulkheads, W.T. doors, Pump, and ash shoot have been tested to Rule. Freeboard cut in & verified. The remaining requirements of Sect 34-5 complied with Letter giving Owners sanction enclosed. ✓

The amount of Entry Fee £ 10 : 0 : 0 Fees applied for, 29-5-1925

Special Survey Fee.... £ 386 : 11 : 6 Received by me, 26/25

Freeboard 13 Travelling Expenses, if any £ : : 6/25

I am of opinion the Vessel should be Classed + 100A1 Shelter Deck with freeboard.

State whether the Vessel has been built under Special Survey yes

Certificate to be sent to Belfast Date of issue 5/6/25

Signature G. D. Aisher 23/7/25

Surveyor to Lloyd's Register of Shipping.

Committee's Minute FRI. 5 JUN 1925

Character assigned + 100A1 with freeboard

Lloyd's A.C.P. + Lmb. 5, 25 Oil Engines DB-100th

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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.)

Sister vessel L. Emma & Hunter N^o 1267.

Midship section

Profile

Motor engine space

Deckhouses

Stern frame & Rudder

Scap of duct keel

Length of bottom fore

Panting

Cruiser stern

Pillars & Girders

Oil bunkers

Vertical spacing

Cargo Hatches

Cargo Doors

Escape Hatches

Double bottom in Engine space

Tiller

Pumping

Duct keel

Piping of oil fuel bunkers

Insulation

Specification of insulation

Forging & Casting reports - Tiller, Rudder, Stern frame, Derrick sole.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	Head		Shank	
	1st Bower	56-3-14	30-0-0	
	2nd "	56-3-0	29-2-14	
	3rd "	56-1-17	29-2-21	

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 is joined to the B.D., this should be distinctly stated *Complete superstructure with turnings opening*

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)

2 DK (St) and Shelter DK (St. W.S.) Cruiser stern, Duct keel, Insulated, Wireless & Electric light. P.L. Co

Official No. 148.599 ; Signal Letters

If bottom of Vessel has been coated Inside ☒ give

particulars of composition *Ballast - lank cement, oil in DB. nothing. Belges & tanks tops bitumastic also aft peak.*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.		Water Capacity.	Where Fitted.	*Length.		Water Capacity.
	Feet.	Tons.			Feet.	Tons.	
Double bottom, aft,	115-6	268		Fore peak tank, <input checked="" type="checkbox"/>			
Double bottom, under Engines and Boilers, <input checked="" type="checkbox"/>				After peak tank,			
Double bottom, if under Engines only,	60-6	35-0		Deep tank, aft, <input checked="" type="checkbox"/>			98
Double bottom, if under Boilers only, <input checked="" type="checkbox"/>				Deep tank, forward, <input checked="" type="checkbox"/>			
Double bottom, forward,	212-6	626		Other tanks, if fitted, <i>Duct keel</i>			55
Total capacity of double bottom			1744	(If necessary, furnish further information by sketch.)			

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

Order for Special Survey No. ☒

Date 19 May 1924

Dates of Surveys held while building

1924 Apr. 10. 17. 28. 30. May 2. 14. 16. 17. 23. 24. 25. June 1. 2. July 2. 4. 8. 25. 29. Aug. 6. 11. 21. Sept. 1. 2. 5. 8. 9. 12. 15. 17. 18. 23. 26. 29. Oct. 1. 2. 5. 8. 16. 20. 21. 22. 24. 27. 28. 29. 30. 31. Nov. 5. 6. 11. 13. 18. 19. 21. 26. Dec. 1. 3. 5. 8. 9. 10. 16. 17. 18. 19. 1925 Jan. 5. 6. 7. 8. 9. 12. 13. 14. 15. 16. 20. 21. 23. 26. 28. 29. 30. Feb. 2. 3. 4. 6. 12. 13. 16. 17. 18. 19. 26. 27. Mar. 2. 3. 5. 6. 9. 11. 12. 16. 19. 24. 25. 26. 27. 30. Apr. 1. 2. 3. 6. 8. 9. 15. 17. 21. 22. 23. 24. 27. 29. May 4. 6. 7. 8. 11. 14. 15. 18. 20. 21. 26

Total No. of Visits 131