

State if Report is sent on the Machinery of the Vessel. **Yes**

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel Single Screw Steamer "FORT VERMILLION"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) C.S.S. with T.O. closed State Type of Erections _____

Do. of space or spaces between Tonnage Dk. and Upper Dk.	_____	of 26'-10". Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)	L416.00	Launched 28th August, 1942, Yard No. 165
			54.00	Built by Burnard Dry Dock Co. Ltd

Gross Tonnage 7133.39 of beam at side of uppermost continuous deck. See Sec 3 (1c) D 37.33 Owners Minister of Munitions & Supply of Canada.

Register Tonnage.....4243.42
 1st Longitudinal Number (L x D).....=15529 Managers Counties Ship Management Co.

REGISTERED DIMENSIONS.
FEET.

Breadth 57.21

Depth 34.9'

CLASS *100 A1 with State if with freeboard Yes
Freeboard corresponding to a Summer Mld. Dft. condition of Class
25 24 10 1/2 FEET.

Length from fore part of stem to after part of stern }
post on summer L.W.L. See Sec. 3 (1a) } L 416.00

Breadth (*greatest moulded*) **56.88**

Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous } D. 37.33

Depth to 2nd Deck. = 28.58'

1st Longitudinal Number (L x D).....= 15289

2nd Numeral $L \times (B + D) \dots\dots\dots = 39191$

Framing Depth "d," at middle of length. See) 25-08

Sec. 3 (1d)	25.00
Proportions—Depth to Length — Uppermost con—	11.14

immense deck to top of keel }
Do Long Bridge to top)

Long Bridge to top
of keel

Draught Moulded 26.86

Built at **North Vancouver, B. C.**

Launched 28th August, Yard No. 165

1942
Burrard Dry Dock Co. Ltd

Buildaers **Bullard Dry Dock Co. Ltd.**

Owners Minister of Munitions & Supply

of Canada.

Managers Counties Ship Management Co.
(Where necessary to be entered in Box Book.)

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

Residence London

Port of Registry _____

If surveyed while building, afloat, or in dry dock.....

Building and Afloast

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	- - -	
“ “ from 3/5 length amidships to Collision bulkhead.....}	27		“ “ Reversed Frame	- - -	
“ “ in peaks	24		“ “ Vertical Struts	- - -	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	43 1/2 x .54	
Frame Amidships, Angle, <input checked="" type="checkbox"/> or <input type="checkbox"/>	12x4x4x.47		“ “ top Angles	3 1/2 3 1/2 .44	
“ “ Extends up to.....	2nd Deck		“ “ bottom Angles	4 4 .50	
Reversed Frame Amidships, Angle.....	- - -		Side Girders, (No. each side and thickness.....	One	
“ “ Extends up to.....	- - -		(BA.S. Top & Bottom	6 3 1/2 .44	
Depth of Framing Girder.....	12		Margin Plate depth (excl. of flange) and thickness	40 1/2 x .54	
Frames in Uppermost Continuous 'tween Decks, Angle <input checked="" type="checkbox"/> or <input type="checkbox"/>	6 3 1/2 .50		“ “ Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Welded to Tank side Brackets	
“ “ Second 'tween Decks, Angle, <input type="checkbox"/> or <input checked="" type="checkbox"/>	- - -		“ “ Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
No.1 Hold (Frs.135-162) <input checked="" type="checkbox"/>	15x4x4x.625		“ “ Gussets, spacing and scantling abaft 1/4 len. from stem	10 1/2 x .40" (FL 2")	
“ “ Third “ “ “ “ “ “	- - -		“ “ Frame 144.	Continuous	
No.2 Hold (Frs.106-135) <input checked="" type="checkbox"/>	12x4x4x.625		“ “ Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	17" x .40" (FL 2")	
“ “ from 1/2 len. for'd. to 15% len. from Stem	- - -		“ “ Fr.144 to F.P. Bnd.	Continuous	
“ “ in Peaks, Angle <input checked="" type="checkbox"/> or <input type="checkbox"/>	8 3 1/2 .34		Tank Side Brackets, height above base line at toe of Frame and thickness	104 1/2 x .45	see plan
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 At 6 1/2 Dias.		INNER BOTTOM PLATING.		
State if Frame Joggled	No		Breadth and thickness of Middle Line Strake.....	84 x .48	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes		Thickness of remainder in Holds44	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes		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.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds		Uppermost Continuous Deck, amidships) in Wells, Angle <input checked="" type="checkbox"/> or <input type="checkbox"/>	8 3 1/2 .46"		
Height of Brackets at side above base line at toe of frame		“ “ in way of Bridge, Angle, <input checked="" type="checkbox"/> or <input type="checkbox"/>	- - -		
Middle Line Keelson, on Floors, Angles, <input checked="" type="checkbox"/> or <input type="checkbox"/>		Spacing	Every Frame		
“ “ Through Plate or Intercoastal Plate....		Second Deck, amidships, Angle, <input checked="" type="checkbox"/> or <input type="checkbox"/>	9x3 1/2 x .38	see plan	
“ “ Foundation Plate on Floors		Spacing	Every Frame		
“ “ Flat Plate Keel Angles	Third Deck, amidships, Angle, <input checked="" type="checkbox"/> or <input type="checkbox"/>	- - -			
Side Keelsons, No. each side	Spacing	Fourth Deck, amidships, Angle, <input checked="" type="checkbox"/> or <input type="checkbox"/>	- - -		
“ “ thickness of Intercoastal Plate....	Spacing	Poop Deck, Angle, <input checked="" type="checkbox"/> or <input type="checkbox"/>	- - -		
“ “ Angles	Spacing	Spacing	- - -		
DOUBLE BOTTOM.		Bridge Deck, Angle, <input checked="" type="checkbox"/> or <input type="checkbox"/>	- - -		
Solid Floors, thickness and spacing	36" At 30"	Spacing	- - -		
“ “ Are Frame and Reversed Frame joggled?	Yes	Forecastle Deck, Angle, <input checked="" type="checkbox"/> or <input type="checkbox"/>	- - -		
Bracket Floors, breadth and thickness at middle line	- - -	Spacing	- - -		
“ “ breadth and thickness at margin plate	- - -				

PILLARS AND DECKS.			
	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows <u>One - in tween decks only.</u>			Stringer Plate, breadth and thickness in way of Bridge
" in 'tween Decks, Size and Spacing.....	<u>6 6 5</u>	<u>on alt. frs.</u>	Thickness of Plating abreast Deck openings in way of Wells
" " " " " "	<u>- - -</u>		Thickness of Plating abreast Deck openings in way of Bridge
" in Holds " "	<u>- - -</u>		Thickness of Plating within line of openings..
" " " " " "	<u>- - -</u>		If Sheathed, material and thickness.....
Centre Line Bulkhead <u>in Holds</u>			Third Deck.
Stiffeners and Spacing.....	<u>12x4x4x7/16</u>	<u>on alt. frs.</u>	Stringer Plate, breadth and thickness.....
Plating, thickness of.....	<u>.30</u>		If Plated, state thickness.....
STRINGERS AND DECKS.			Fourth Deck.
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....
Stringer Plate, breadth and thickness <u>in Wells</u>	<u>61 x .64</u>		If plated, state thickness.....
" " " " in way of Bridge	<u>- - -</u>		Poop Deck.
" Angle <u>in Wells</u>	<u>6 x 6 x 5</u>	<u>8</u>	Stringer Plate, breadth and thickness.....
Thickness of Plating abreast Deck openings in way of Wells	<u>.55</u>		Plating, Sheathing, material and thickness.....
Thickness of Plating abreast Deck openings in way of Bridge	<u>- - -</u>		Bridge Deck.
Thickness of Plating within line of openings..	<u>.40</u>		Stringer Plate, breadth and thickness.....
If Sheathed, material and thickness	<u>- - -</u>		Plating, Sheathing, material and thickness.....
Second Deck.			Forecastle Deck.
Stringer Plate, breadth and thickness <u>in Wells</u>	<u>50" x .43"</u>	<u>8</u>	Stringer Plate, breadth and thickness.....
			Plating, Sheathing, material and thickness.....

SHELL PLATING.				SHELL PLATING.			
SCANTLINGS.		RIVETING.		SCANTLINGS.		RIVETING.	
AS IN VESSEL.		EDGES.		AS IN VESSEL.		EDGES.	
STRAKES.		No.		STRAKES.		No.	
AMIDSHIPS.		RIVETS.		AMIDSHIPS.		RIVETS.	
Breadth. Thickness.		Diam. Spacing.		Breadth. Thickness.		Diam. Spacing.	
Inches. Inches.		Inches. Inches.		Inches. Inches.		Inches. Inches.	
FLAT PLATE KEEL		Double		FLAT PLATE KEEL		Double	
DBLG. (if any)		Butts Welded		DBLG. (if any)		Butts Welded	
BOTTOM PLATING, No. of Strakes		Double		BOTTOM PLATING, No. of Strakes		Double	
BILGE PLATING, No. of Strakes		Butts Welded		BILGE PLATING, No. of Strakes		Butts Welded	
SIDE PLATING, No. of Strakes		Double		SIDE PLATING, No. of Strakes		Double	
UPPER DECK, Sheer-strake in Wells		Butts Welded		UPPER DECK, Sheer-strake in Wells		Butts Welded	
UPPER DECK, Sheer-strake in Bridge		Double		UPPER DECK, Sheer-strake in Bridge		Double	
STRAKE BELOW SHEER-strake in Wells		Butts Welded		STRAKE BELOW SHEER-strake in Wells		Butts Welded	
STRAKE BELOW SHEER-strake in Bridge		Double		STRAKE BELOW SHEER-strake in Bridge		Double	
POOP SIDE PLATING		Butts Welded		POOP SIDE PLATING		Butts Welded	
BRIDGE SIDE PLATING		Double		BRIDGE SIDE PLATING		Double	
FORECASTLE SIDE PLATING		Butts Welded		FORECASTLE SIDE PLATING		Butts Welded	

WATERTIGHT BULKHEADS.				WATERTIGHT BULKHEADS.			
Total No. of W.T. BULKHEADS in Vessel				Total No. of W.T. BULKHEADS in Vessel			
Extending to Upper Deck (Sec. 3 c)				Extending to Upper Deck (Sec. 3 c)			
Deck next below				Deck next below			
As per Rule				As per Rule			
STIFFENERS.				STIFFENERS.			
Plating Thickness.				Plating Thickness.			
Ins.				Ins.			
VERTICAL.				VERTICAL.			
Scantlings. Spacing.				Scantlings. Spacing.			
Inches. Feet.				Inches. Feet.			
MIDSHIP BULKHEAD (Upper tween decks)				MIDSHIP BULKHEAD (Upper tween decks)			
Second				Second			
Third				Third			
Holds				Holds			
COLLISION (in Hold)				COLLISION (in Hold)			
AFTER PEAK				AFTER PEAK			
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)				Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)			
Central Iron and Steel Co., The Steel Co. of Canada Ltd., Manitoba Rolling Mills Co. Ltd., Carnegie-Illinois Steel Corp., The Phoenix Iron Co., Algoma Steel Products Co. Ltd., Bethlehem Steel Co.				Central Iron and Steel Co., The Steel Co. of Canada Ltd., Manitoba Rolling Mills Co. Ltd., Carnegie-Illinois Steel Corp., The Phoenix Iron Co., Algoma Steel Products Co. Ltd., Bethlehem Steel Co.			
Has the Steel been tested as required by the Rules? Yes				Has the Steel been tested as required by the Rules? Yes			

EQUIPMENT No.39800										LETTER A		ANCHORS.	
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY SPECIFICATION.		Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		lbs.	Cwts. qrs. lbs.	lbs.	Tons. cwts. qrs. lbs.	Cwts.	lbs.						
F4077	1st Bower.....	4400	lbs.	—	—	—	—	68.0	68.0	6.5. BALOT. TYPE	VULCAN. IRON WORKS. LTD.	WINNIPEG. JUNE/JULY 1942.	
F4076	2nd "	4638	lbs.	—	—	—	—	68.0	68.0	STOCKLESS.	WINNIPEG.	J. F. HIND.	
	3rd "												
	Collective Weight.	15385	lbs.	—	—	—	—	136.0		6.5. BALOT. TYPE	VULCAN. IRON WORKS. LTD.	WINNIPEG. JUNE/JULY 1942.	
F4080	Stream	2450	lbs.	—	—	—	—	29 3/4		STOCKLESS	WINNIPEG.	J. F. HIND.	

CHAIN CABLES.										HAWSEERS AND WARPS.									
Number of Certificate.	Length and size supplied.		Test per Certificate.	WEIGHT OF CHAIN CABLE		Length and size supplied.		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.				
	Fathoms.	Diam.		Supplied.	Per Rule.	Fathoms.	Diam.					Fathoms.	Cir.		Tons.	Fathoms.	Inch.		
1325	225	2 3/4	8301840	42122	lbs.	600.	225	2 3/4	6.5. BALOT. ANCHOR CHAIN & FORGE CO.	CHESTER PA. 14. 9. 42. J. K. HELM S.	TOWLINE.	123 3/4	4 3/4	75.50	120	4 3/4			
	WITH	15	DETACHABLE LINKS.								HAWSEERS & WARPS	209 2 3/4	2 3/4	17.85	209 0	2 3/4			
											"	209 2 3/4	2 1/2	15.80	209 0	2 3/4			
Stream (Steel Wire)	92 3/4	5	598	6 1/2	F.S.W.R.		90	5	6 1/2	F.S.W.R.									

Steering Gear, Type (Power or hand) Steam with telemotor control (Efficient arrangement of blocks and tackle led to after warping winch.)

Steering Chains (Size and Test) Windlass Steam - 11" x 13" Boats 2020'x6.75'x2.60'
1026'x8.00'x3.25'
1028'x8.60'x3.75' (Motor)

Ceiling in Holds, thickness and material 2 1/2" thk. B.C. Fir Cargo Battens, thickness, material and spacing 2" thk. B.C. Fir

Cargo Hatchways.—(Upper Deck) Strong steel plates and angles Thickness of Hatches 3" thk. B.C. Fir

Size of Hatchways No. 1 (Fwd.) 33'9"x20' No. 2 35'x20' No. 3 15'x20' No. 4 35'x20' No. 5 35'x20' No. 6 8'x20'

Number of Shifting Beams Nos. 1, 2, 4 and 5 -- each 5. No. 3 - 2. x Bkr. - 1.

Builder's Signature Burrard Dry Dock Company, Limited

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. No
(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 (where required to be inserted in the Notation).

This ship has been constructed in accordance with the approved plans, instructions and printed Rules of the Society. The materials and workmanship are of good quality.

The double bottom, peaks, deep and fresh water tanks, decks, bulkheads, tunnels, watertight doors, steering gear, and windlass have been tested and found satisfactory. The freeboards assigned by the Committee have been marked on the ship's sides and verified. The ship has also been surveyed during construction on behalf of the Minister of Munitions & Supply of Canada in accordance with the Hull Specification requirements which have been carried out to our satisfaction.

The equipment of anchors and chain cables is in accordance with the War Emergency Reduction of Equipment requirements. Regarding the anchors all the requirements of Sections 12 and 13 of the Rules for Quality and Testing of Materials have been carried out except the Statutory Tests of Section 12 for which tensile tests on the materials of each head and shank were substituted (28 tons per sq. inch minimum, with the usual extension). It is recommended that a suitable Notation be entered on the First Entry Certificate because of these departures from the Rules.

The amount of Entry Fee \$ 50.00 Fees applied for, Oct. 8th 1942
Special Survey Fee..... \$ 2145.00 Received by me, RE
Freeboard \$ 100.00
Travelling Expense, if any \$ 50.00
Owners' Rep. \$ 1000.00
State whether the Vessel has been built under Special Survey Yes
Certificate to be sent to New York Date of issue 15/2/43
Committee's Minute FRL 4 DEC 1942
Character assigned +100A1
With freeboard
Butt of shell etc. plating etc. welded.
OL, E.S.D.
note for S.R.L.
mk RHL
Signature Mumma and G. Sinclair
Surveyed to Lloyd's Register of Shipping.

The Surveyor is requested to write on or below the Certificate of Maturity.

Lloyd's Register Foundation

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 ship is the nineteenth of this type to be built by Burrard Dry Dock Co. Ltd., and is a sistership to their Yard No. 130 - S.S. "FORT ST. JAMES" (Vancouver Report No. 5718).

The approved plans have been retained for dealing with sisterships building and to be built.

Blue print of plan of Midship Section is forwarded herewith. ✓

Interim Certificate issued - copy attached. ✓

A copy of each of the following Certificates attached hereto.

Certificate No. F-3350 for cast steel stern frame.

Certificate No. F-3817 for rudder.

Certificate No. F-3978 for steam steering engine, quadrant and tiller.

Certificate No. F-3662 for steam windlass.

Certificate Nos. F-1606, F-1627, F-3957, F-3956, F-1571, F-1575, F-3954, F-3931, F-1610, F-1771 & F-4315 for Winches.

Certificate Nos. F-4076, F-4077 and F-4080 for anchors.

Tonnage openings in tween deck bulkheads have all been efficiently closed with steel plates rivetted on bulkheads Nos. 19 and 135 and bolted elsewhere as per approved plans. All tween deck bulkheads have been hose tested and found satisfactory.

PARTICULARS OF ELECTRIC WELDING (if employed) All connections to double bottom tanks' margin plates, watertight floors and gusset plates; 2nd deck stringer closing plates all welded; plate butts of shell plating, tank top (part), tunnel, 2nd and upper decks, centre girder and hatch side girders; hold bhd. and tunnels' sides to tank top plating; other items of minor importance; Electrodes, complying with section 4 paras. 1 - 9 of the Rules have been employed for manual welding and the Rule for the Application of Electric Arc Welding to Ship Construction have been complied with where applicable

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book. Cruiser stern; Direction finder; Echo sounder; Wireless.

Particulars of Drop Test of Cast Steel Anchors, viz:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	5575 lbs.	J.F.H.	F4077	9-7-42
	2nd "	5500 lbs.	J.F.H.	F4076	9-7-42
	Stream	2000 lbs.	J.F.H.	F4080	9-7-42
	3rd "				

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. ---

Official No. Signal Letters Extreme Breadth over Belting No belting Over-all Length 441.5' (Circ. 1611) (Circ. 1703)
No. and Material of Decks Two- (2) steel. (Nos. 5 & 6 double bottom tanks and peaks cemented in bottom where there is bitumastic solution and enamel on girders and floors and bitumastic solution on underside of tank top plating. Steelwork in bilges, bitumastic solution and enamel throughout. Parts of Bottom of Vessel coated with cement or approved composition (shell and cement washed elsewhere, except, under E & B space).
Particulars of composition (if fitted) and of approval Bitumastic Solution and Enamel.

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft, Nos. 7 and 8	S.W. 135.0	306.	Fore peak tank,	S.W. 22.	145.
Double bottom, under Engines and Boilers,	--	--	After peak tank,	S.W. 24.	160.
Double bottom, if under Engines only, No. 6	S.W. 25.0	106.	Deep tank, aft, Port	S.W. 20.	390.
Double bottom, if under Boilers only, No. 5 (dry)	S.W. 20.0	89.	Deep tank, forward, Starboard,	S.W. 20.	375.
Double bottom, forward, Nos. 1, 2, 3, & 4	S.W. 188.25	648.	Other tanks, if fitted,		
Total length (if continuous) and Capacity	S.W. 368.25	1149.	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 60
Date 22-4-42
Dates of Surveys held while building
1942 - May 13, 21, 27 June 3, 9, 11, 18, 23, 30
July 1, 9, 15, 29 Aug. 4, 5, 7, 8, 10, 12, 13, 14, 15, 17, 18, 19, 22, 24, 25, 26, 27, 28.
Sept. 2, 5, 9, 10, 15, 18, 25, 26, 28, 29, 30.
Oct. 1, 2, 3, 5, 6, 7, 10.