

RECEIVED

22 JAN 1944

IN D.O.

STEEL STEAMER or MOTORSHIP

Received at London

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 **29th January, 1943**
 Date of re-typing report **15th September, 1943.**

Port of **VANCOUVER, B.C.**

No. **5868.**

Survey held at **Vancouver, B.C.**

Date First Survey **5th Oct. 1942**

Last Survey **26th January, 1943.**

On the (State if Machinery fitted Aft and if Single Main or Triple Screw) **Steel Single Screw Steamer, "FORT RAMPART"**

State Type (Complete Superstructure with or without Tonnage Openings) **C.S.S. with T.O. closed**

State Type of Erections

TONNAGE under Tonnage Deck **6704.21**

CLASS ***100 A.1 with Freeboard corresponding to a Summer Mld. Draft of 28'-10"**

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

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 416.0**

Launched **5th Dec., 1942** Yard No. **113**

Total **-----**

Breadth (greatest moulded) **B 56.88**

Builders **West Coast Shipbuilders, Ltd.**

Gross Tonnage **7134.05**

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck See Sec. 3 (1c) **D 37.33**

Owners **Minister of Munitions & Supply of Canada.**

Register Tonnage **4243.98**

1st Longitudinal Number (L x D) **15214 = 15529**

Managers **Charlton, McAllum & Co. Ltd.**

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

2nd Numeral L x (B + D) **38849 = 39191**

Residence **Newcastle**

REGISTERED DIMENSIONS. FEET.

Length **424.6'**

Framing Depth "d," at middle of length. See Sec. 3 (1d) **25.08**

Port of Registry

Breadth **57.2'**

Proportions—Depth to Length — Uppermost continuous deck to top of keel **11.14**

If surveyed while building, afloat, or in dry dock

Depth **34.9'**

Do. Long Bridge to top of keel **26.86'**

whilst building and afloat

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 3/8 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 9/16 ✓	
Frame Amidships, Angle, [or]	12x4x4x.47 ✓		" " top Angles	3x3x.44 ✓	
" " Extends up to.....	2nd Deck ✓		" " bottom Angles	4x4x.50 ✓	
Reversed Frame Amidships, Angle	-----		Side Girders, No. each side and thickness	One ✓	
" " Extends up to.....	-----		BA'S Top & Bottom	6x3x.44 ✓	
Depth of Framing Girder	12 ✓		Margin Plate depth (excl. of flange) and thickness	40x9/16" ✓	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	6x3x.50 ✓		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Welded to Tank Side Brackets ✓	
" " Second 'tween Decks, Angle, [or]	-----		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	10x.3/8 (FL 2") ✓	
" " Thin No. 1 Hold (Frs 135-162)	15x4x4x.625 ✓		" " Gussets, spacing and scantling abaft 1/4 len. from stem	Continuous ✓	
" " No. 2 Hold (Frs 106-135)	12x4x4x.625 ✓		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	17 x .3/8 (FL 2") ✓	
" " from 1/2 len. for d. to 15% len. from Stem	8x3x.34 ✓		Fr. 144	Continuous ✓	
" " in Peaks, Angle [or]	7/8 at 6 1/2 Dia. ✓		to Fore Peak Bnds	104x7/16" ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	No ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	84 x 1/2 ✓	
State if Frame Joggled	Yes ✓		INNER BOTTOM PLATING.	7/16"	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes ✓		Breadth and thickness of Middle Line Strake.....	Yes	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes ✓		Thickness of remainder in Holds		
SINGLE BOTTOM.			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?		
Floors, Depth and thickness at mid-line in Holds			BEAMS.		
Height of Brackets at side above base line at toe of frame			Uppermost Continuous Deck, amidships	8x3x.48	
Middle Line Keelson, on Floors, Angles, [or]			" " in way of Bridge, Angle, [or]	Every frame	
" " Through Plate or Intercoastal Plate.....			Spacing	9x3x.38	
" " Foundation Plate on Floors			Second Deck, amidships, Angle, [or]	12x4x.47	
" " Flat Plate Keel Angles			Spacing	Every frame	
Side Keelsons, No. each side			Third Deck, amidships, Angle, [or]		
" " thickness of Intercoastal Plate.....			Spacing		
" " Angles			Fourth Deck, amidships, Angle, [or]		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing	11/32 @ 30" ✓		Poop Deck, Angle, [or]		
" " Are Frame and Reversed Frame joggled?	Yes ✓		Spacing		
Bracket Floors, breadth and thickness at middle line	- - -		Bridge Deck, Angle, [or]		
" " breadth and thickness at margin plate	- - -		Spacing		
			Forecastle Deck, Angle, [or]		
			Spacing		

PILLARS AND DECKS.									
		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.				Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows. <u>One - in tween decks only</u>									
" in 'tween Decks, Size and Spacing.....		<u>6 x 6 x 5/8</u>		<u>on alt. frs.</u>					
" in Holds									
Centre Line Bulkhead in Holds		<u>12 x 4 x 7/16</u>		<u>on alt. frs.</u>					
Stiffeners and Spacing.....		<u>5/16"</u>							
Plating, thickness of.....									
STRINGERS AND DECKS.									
Uppermost Continuous Deck.									
Stringer Plate, breadth and thickness in Wells		<u>61 x 5/8</u>							
" in way of Bridge									
" Angle in Wells Welded to Sheerstrake									
Thickness of Plating abreast Deck openings		<u>9/16"</u>							
Thickness of Plating abreast Deck openings									
Thickness of Plating within line of openings..		<u>3/8"</u>							
If Sheathed, material and thickness									
Second Deck.		<u>50 x 7/16</u>							
Stringer Plate, breadth and thickness in Wells									
SHELL PLATING.									
SCANTLINGS.					RIVETING.				
STRAKES.					EDGES. <u>no</u>				
AS IN VESSEL.					BUTTS.				
ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.					State if jogged?.....				
AMIDSHIPS. FORWARD. AFT.					SINGLE OR DOUBLE. RIVETS. No. of Rows of Rivets. RIVETS. STEPPED OR LAPPED.				
Breadth. Thickness. Thickness. Thickness.					Diam. Spacing. Diam. Spacing.				
Inches. Inches. Inches. Inches.					Inches. Inches. Inches. Inches.				
FLAT PLATE KEEL.....					<u>Double 7/8 3-1/3 Butts Welded</u>				
DBLG. (if any).....									
BOTTOM PLATING, No. of Strakes.....					<u>Double 7/8 3-1/3 Butts Welded</u>				
BILGE PLATING, No. of Strakes.....									
SIDE PLATING, No. of Strakes.....									
UPPER DECK, Sheer-strake in Wells.....									
UPPER DECK, Sheer-strake in Bridge.....									
STRAKE BELOW Sheer-strake in Wells.....					<u>Double 7/8 3-1/3 Butts Welded</u>				
STRAKE BELOW Sheer-strake in Bridge.....									
POOP SIDE PLATING.....									
BRIDGE SIDE PLATING.....									
FORECASTLE SIDE PLATING.....									
WATERTIGHT BULKHEADS.					FORGINGS and CASTINGS.				
Total No. of W.T. BULKHEADS in Vessel.....					Casting or Forging. Scantlings. Maker's Name. Any Departure from Approved Plans to be Noted.				
Extending to Upper Deck (Sec. 3) <u>One (1) Coll. on Fr. 162</u>					KEEL Bar.....				
Deck next below <u>Seven (7) Frs. 12, 40, 58, 66, 93, 106</u>					STEM <u>Upper</u>				
In tween decks: <u>Six divisional W.T. Bhd's Frs. 19, 40, 66, 119, 135</u>					STEM <u>Lower</u>				
As per Rule <u>Seven (7)</u>					STERN FRAME { Propeller Post.....				
					RUDDER.....				
STIFFENERS.					Speed of Vessel.....				
VERTICAL. HORIZONTAL.					" A x D.....				
Scantlings. Spacing. Scantlings. Spacing.					" Diam. of head.....				
					" Mainpiece at top pintle.....				
					" heel.....				
					" how constructed.....				
					" double or single plate coupling, vertical or horizontal.....				
MIDSHIP BULKH'D. (Upper tween decks) <u>1/4 6x38x38 30"</u>					" Built, Riveted & Welded.....				
" Second " <u>x x x</u>					" Double.....				
" Third " <u>x x x</u>					" Horizontal.....				
" Holds <u>2-3/8 12x32x38 30"</u>									
COLLISION " (in Hold) <u>Fr. 162 11/32 27x36 24" 3 Strgs 6'0"</u>									
AFTER PEAK " <u>Fr. 12 5/16 11/32 27x38 24" " 6'0"</u>									
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <u>Open Hearth</u>									
STEEL. <u>Algoma Steel Corpn., Manitoba Rolling Mills, Central Iron & Steel, Phoenix Iron Co., U.S. Steel Corpn., Steel Company of Canada.</u>									
Has the Steel been tested as required by the Rules? <u>Yes</u>									

EQUIPMENT No. <u>39800</u>										LETTER <u>A</u>										ANCHORS.									
Number of Certificate.		Anchors.		WEIGHT, EX. STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED.		Description of Anchor.		Makers.		Where and when tested and Superintendent.													
F5067		1st Bower.....		<u>7794</u>						<u>68</u>		<u>C.S. "Baldt"</u>		<u>Vulcan Iron Works Ltd.</u>		<u>10-12-42 J.F. Hind</u>													
F5066		2nd ".....		<u>7740</u>						<u>68</u>		<u>Type Stockless</u>																	
		3rd ".....																											
F5009		Collective Weight.....		<u>15534</u>						<u>136</u>		<u>C.S. "Baldt"</u>		<u>Vulcan Iron Works Ltd.</u>		<u>29-10-42 H.F. Hind</u>													
		Stream.....		<u>2728</u>						<u>234</u>		<u>Type Stockless</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. Diam.		Fathoms. Ins.		Status. Break.		Supplied. Cwts. qrs. lbs.		Per Rule. Cwts. qrs. lbs.		Fathoms. Ins.		Cables.		Towing.		Length and Size per Table 53.													
Length. Diam.		Fathoms. Ins.		Status. Break.		Supplied. Cwts. qrs. lbs.		Per Rule. Cwts. qrs. lbs.		Fathoms. Ins.		Cables.		Towing.		Length and Size per Table 53.													
Length. Diam.		Fathoms. Ins.		Status. Break.		Supplied. Cwts. qrs. lbs.		Per Rule. Cwts. qrs. lbs.		Fathoms. Ins.		Cables.		Towing.		Length and Size per Table 53.													
1603		<u>2252 5/16</u>		<u>A30320</u>		<u>70609 lbs 600</u>		<u>225 2 5/16</u>		<u>5/16</u>		<u>C.S. National Steel Castings Co.</u>		<u>Sharon, Pa.</u>		<u>123 1/3 4 3/4 77.6 120 4 3/4</u>													
Stream		<u>92 1/2</u>		<u>5" 60.5 tons</u>						<u>90</u>		<u>5" GSWR</u>		<u>British Rope Co. Ltd.</u>		<u>185 2 1/2 15.3 20 50 2 1/2</u>													
Steel Wire																													
Steering Gear, Type (Power or hand) <u>Steam with telemotor control</u>										Alternative Means of Steering <u>(Blocks and tackle led to aft warping winch.)</u>																			
Steering Chains (Size and Test) <u>Windlass Steam - 11" x 13"</u>										Boats <u>1026'-0" (motor)</u>																			
Ceiling in Holds, thickness and material <u>2 1/2" B.C. Fir</u>										Cargo Battens, thickness, material and spacing <u>1 1/2" thk, B.C. Fir 9" clear</u>																			
Cargo Hatchways (Upper Deck) <u>Steel plates and angles</u>										Thickness of Hatches <u>3" B.C. Fir</u>																			
Size of Hatchways No. 1 (Fwd) <u>33'9"x20'</u>										No. 2 <u>35'x20'</u>																			
No. 3 <u>15'x20'</u>										No. 4 <u>35'x20'</u>																			
No. 5 <u>35'x20'</u>										Cross Bunker <u>11'x20'</u>																			
Number of Shifting Beams <u>Nos. 1, 2, 4 & 5 - each 5. No. 3 - 2.</u>										Cross Bunker - 1.																			
Builder's Signature <u>W.S.M. Lane</u>										General Manager																			
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. <u>No</u>																													
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. <u>No</u> . 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 tanks, peaks, deep tanks and fresh water tanks, decks and 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 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 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 ship has been surveyed on behalf of the Minister of Munitions & Supply of Canada in accordance with the Hull Specification requirements which have been carried out to my satisfaction.																													
The amount of Entry Fee..... \$ <u>50.00</u>										Fees applied for, <u>25th Jan. 44</u>																			
Special Survey Fee..... \$ <u>2145.00</u>										Received by me, <u>PL</u>																			
Travelling Expense, if any \$ <u>50.00</u>										We are <u>in</u> of opinion the Vessel should be Classed <u>*100 A.1 with Freeboard</u>																			
Owners' Repres. \$ <u>1000.00</u>										Signature <u>J. J. Caldwell</u>																			
State whether the Vessel has been built under Special Survey. <u>Yes</u>										Surveyor to the Registrar of Shipping.																			
Certificate to be sent to <u>New York</u>										Date of issue <u>2/2/44</u>																			
Committee's Minute.....										+ 100 A.1																			
Character assigned.....										with freeboard																			
Write <u>TX</u>										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 thirteenth of this type to be built by West Coast Shipbuilders, Ltd. to the order of the Minister of Munitions & Supply of Canada, and is a sistership to the West Coast Shipbuilders (Yard No. 101) - "FORT CHILCOTIN" (Vancouver Report No. 5764).

The approved plans have been retained for sisterships building and to be built. Blue print plan of the midship section is forwarded herewith.

Interim certificate issued - copy attached.

Immersed main ship's side openings certificate issued - copy attached.

A copy of each of the following certificates attached hereto:-

No. F-4749 for cast steel stern frame.

No. F-5387 for rudder.

No. F-5364 for steam steering engine, quadrant and tiller.

No. F-5385 for windlass

Nos. F-1952, F-1951, F-4559, F-4571, F-1976, F-1974, F-5256, F-5266, F-1975, F-1977 & F-3713 for winches.

Nos. F-5066, F-5067 & F-5009 for Anchors.

There are six divisional bulkheads in the tween decks, all watertight having tonnage openings closed with riveted plates, except on bulkhead No. 93 (between tween deck bunker and No. 3 tween deck) which has steel hinging W.T. doors. All tween deck bulkheads have been hose tested and found satisfactory.

PARTICULARS OF ELECTRIC WELDING (if employed) D.B. Tanks:- W.T. floors, margin plates to shell, side frame brackets and to floors. Gusset plates to tank top and frame brackets. Upper deck stringer to sheerstrake. Hold bulkheads to tank top, 2nd deck closing plates to shell and frames. Plate butts of shell, 2nd deck, upper deck, centre girder, hatch side girders and other items of minor importance. Electrodes: Complying with Section 4, paras. 1-9 of the Rules have been employed for manual welding, and the Rules for the Application of Electric Welding of Ship Construction have been complied with.

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

Cruiser stern; Direction finding apparatus, Echo sounder, Wireless.

Particulars of Drop Test of Cast Steel Anchors, viz:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	5685	J.F.H.	F5067	10-12-42
	2nd "	5615	J.F.H.	F5066	10-12-42
	Stream	1985	J.F.H.	F5009	29-10-42

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 439.7' (Circ. 1611) (Circ. 1703)
No. and Material of Decks Two - Steel

Parts of Bottom of Vessel coated with cement or approved composition D.B. tanks cement washed and fillets on bottom shell except in way of E & B spaces; where there is 1-1/2" cement on bottom shell, cement washed elsewhere throughout, Bitumastic solution and enamel on tank top in E & B spaces. Steelwork in bilges cement washed throughout.
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.	Feet.	Tons.
Double bottom, aft, Nos. 7 & 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, Port S.W.	20.	390
Double bottom, if under Boilers only, No. 5 S.W.	20.0	89.	Deep tank, 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	368.25	1149.	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 59
Date 30-3-42
Dates of Surveys held while building
1942 - Oct. 5, 6, 9 - Nov. 5, 6, 7, 10, 16, 17, 18, 19, 20, 23, 25, 26, 27, 28, 30
Dec. 1, 2, 3, 4, 5, 19, 22, 23, 24, 29,
1943. - Jan. 4, 7, 8, 11, 12, 13, 14, 15, 19, 20, 21, 22, 26.