

Rpt. 1.

STEEL STEAMER or MOTORSHIP

Received at London Office.

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 - Now**

5778

Date of completion of report **July 15th, 1942**Port of **Vancouver, B. C.**No. **5778**Survey held at **Vancouver, B. C.**Date First Survey **11th October, 1941**Last Survey **13th July**

1942

On the (State if Machinery fitted with or without Tonnage Openings) **Steel Single Screw Steamer "FORT CHIPEWYAN"**State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) **C.S.S. with T.O. closed**

State Type of Erections

TONNAGE under Tonnage Deck.... **6706.06**CLASS ***100 A1 with** State if with freeboard **Yes**
Freeboard Corresponding to a Summer Mtd. Draft **26'-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 **30th April, 1942** Yard No. **103**Breadth (greatest moulded) **B 56.88**Builders **West Coast Shipbuilders, Ltd., Vancouver.**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 and Supply of Canada.**1st Longitudinal Number (L x D) **15529**Managers **Idwal, Williams & Co.,**
(Where necessary to be entered in Reg. Book.)2nd Numeral L x (B + D) **39191**Residence **Cardiff**

REGISTERED DIMENSIONS. FEET.

Framing Depth "d," at middle of length. See Sec. 3 (1d) **25.08**Port of Registry **--**Length **424.6'**Proportions—Depth to Length — Uppermost continuous deck to top of keel **11.14**

If surveyed while building, afloat, or in dry dock

Breadth **57.2'**Do. Long Bridge to top of keel **--****Building, afloat and in dry dock.**Depth **34.9'**Draught Moulded **26.86'**

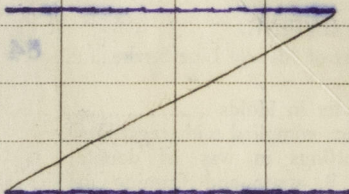
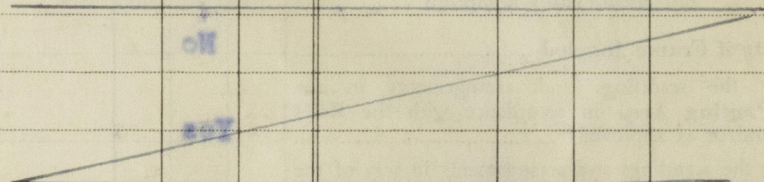
FRAMES, DOUBLE BOTTOM AND BEAMS.

	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 3/4 length amidships to Collision bulkhead.....	27	✓	" " Reversed Frame	--	
" " in peaks	24	✓	" " Vertical Struts	--	
DE FRAMING.			Centre Girder, depth and thickness amidships	43 1/2 x .54	
Frame Amidships, Angle, [or]	12x4x4x.47	✓	" " top Angles	3 1/2 x 3 1/2 x .44	✓
" " Extends up to.....	2nd Dk.	✓	" " bottom Angles	4x4x.50	✓
Reversed Frame Amidships, Angle.....	--		Side Girders, No. each side and thickness	One	
" " Extends up to.....	--		0.A's. top & bottom	6x4x.75	6x3 1/2 x .44 BA
Depth of Framing Girder.....	12	✓	Margin Plate depth (excl. of flange) and thickness	40 1/2 x .54	A# Approved
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	6x3 1/2 x .50	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Welded to	
" " Second 'tween Decks, Angle, [or]	--		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	Tank side Brackets	
" " No.1 Hold (Frs.135-162) CH	15x4x4x.625	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	10 1/2 x .40 FL 2"	Continuous
" " No.2 Hold (Frs.106-135) CH	12x4x4x.625	✓	" " Gussets, spacing and scantling forward 1/4 len. from stem to Panting Area	17x.40 FL 2"	Continuous
" " from 1/2 len. for'd. to 15% len. from Stem	--		Tank Side Brackets, height above base line at toe of Frame and thickness	104 1/2 x .45	✓
" " in Peaks, Angle or [	8x3 1/2 x .34	✓	INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" AT 6 1/2" Dias.	✓	Breadth and thickness of Middle Line Strake.....	84 x .48	✓
State if Frame Joggled	No		Thickness of remainder in Holds .....	.44	✓
Are the scantlings and arrangements in the Panting Area 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	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes	✓	BEAMS.		
DOUBLE BOTTOM.			Uppermost Continuous Deck, amidships	8x3 1/2 x .48	✓
Floors, Depth and thickness at mid-line in Holds			" " in way of Bridge, Angle, [or]	--	
Height of Brackets at side above base line at toe of frame			Spacing	Every Frame	✓
Middle Line Keelson, on Floors, Angles, [or]			Second Deck, amidships, Angle, [or]	9x3 1/2 x .38 BA	and see plan
" " Through Plate or Intercoastal Plate.....			Spacing	12x4x4x.47 CH	Every Frame
" " Foundation Plate on Floors			Third Deck, amidships, Angle, [or]		
" " Flat Plate Keel Angles			Spacing		
Side Keelsons, No. each side			Fourth Deck, amidships, Angle, [or]		
" " thickness of Intercoastal Plate....			Spacing		
" " Angles			Poop Deck, Angle, [or]		
DOUBLE BOTTOM.			Spacing		
Solid Floors, thickness and spacing .....	.36 @ 30"	✓	Bridge Deck, Angle, [or]		
" " Are Frame and Reversed Frame joggled?	Yes	✓	Spacing		
Bracket Floors, breadth and thickness at middle line	--		Forecastle Deck, Angle, [or]		
" " breadth and thickness at margin plate	--		Spacing		

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. <u>One - in Tween Decks only.</u>					
" in 'tween Decks, Size and Spacing.....	<u>6 x 6 x 8</u> ✓		Stringer Plate, breadth and thickness in way of Bridge	--	
" " " " "	<u>on alt. frs.</u> ✓		Thickness of Plating abreast Deck openings <u>in way of Wells</u>	<u>.35</u> ✓	
" " " " "			Thickness of Plating abreast Deck openings in way of Bridge	--	
" in Holds " "	--		Thickness of Plating within line of openings..	<u>.34</u> ✓	
" " " " "	--		If Sheathed, material and thickness.....	_____	
Centre Line Bulkhead. <u>in Holds</u>			Third Deck.		
Stiffeners and Spacing.....	<u>12x4x4x7/16" CH</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	--		Poop Deck.		
" Angle <u>in Wells</u>	<u>6 x 6 x 8</u> ✓		Stringer Plate, breadth and thickness.....		
Thickness of Plating abreast Deck openings <u>in way of Wells</u>	<u>.55</u> ✓		Plating, Sheathing, material and thickness.....		
Thickness of Plating abreast Deck openings in way of Bridge	--		Bridge Deck.		
Thickness of Plating within line of openings..	<u>.40</u> ✓		Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness	--		Plating, Sheathing, material and thickness.....		
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness <u>in Wells</u>	<u>50 x .43</u> ✓		Stringer Plate, breadth and thickness.....		
			Plating, Sheathing, material and thickness.....		

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			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.			Inches.	Inches.		Inches.	Inches.	
FLAT PLATE KEEL	52	.78	.68	.68		Dble.	$\frac{7}{8}$	3-1/3	Butts Welded			
" DBLG. (if any)	-	-	-	-								
BOTTOM PLATING, No. of of Strakes Four .....		.61	.56	.52		Dble.	$\frac{7}{8}$	3-1/3	"	"		
BILGE PLATING, No. of Strakes One .....		.61	.56	.49								
SIDE PLATING, No. of Strakes Three .....		.61	.56	.48								
UPPER DECK, Sheer- strake in Well	84	.70	.50	.50								
UPPER DECK, Sheer- strake in Bridge	-	-	-	-								
STRAKE BELOW Sheer- strake in Well	78	.61	.50	.48		Dble.	$\frac{7}{8}$	3-1/3	"	"		
STRAKE BELOW Sheer- strake in Bridge												
POOP SIDE PLATING												
BRIDGE SIDE PLATING												
FORE'C'TLE SIDE PLATING												

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

STIFFENERS.					
Plating Thickness.	VERTICAL.		HORIZONTAL.		
	Scantlings.	Spacing.	Scantlings.	Spacing.	
MIDSHIP BULKH'D	Fr. 93	Upper tween decks	.26	6x3 1/2 x 38	30"
"	"	Second	-	-	-
"	"	Third	-	-	-
"	"	Holds	.26	12x3 1/2 x 38	30"
COLLISION	Fr. 162	(in Hold)	.33	7x3x.36	24"
AFTER PEAK	Fr. 12	"	.30	7x3x.36	24"

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) Open Hearth
Algoma Steel Corp., Manitoba Rolling Mills, Central Iron & Steel, Phoenix Iron,
U.S. Steel Corp., Steel Company of Canada.
Has the Steel been tested as required by the Rules? Yes

EQUIPMENT No. 39800										LETTER at		ANCHORS.	
Number of Certificate.	Anchor.	WEIGHT, EX. STOCK.		WEIGHT OF STOCK.		TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY SPECIFICATION.		Description of Anchor.		Makers.	Where and when tested and Superintendent.
F3100F.	1st Bower	7660	lbs.	-	-	-	-	68.	-	{ BALOT TYPE STOCKLESS		YULCAN IRON WORKS.	WINNIPEG. 13. 4. 42.
F2111	2nd "	7165	lbs.	-	-	-	-	68.	-			RIVERSIDE IRON WORKS.	J. F. NIND. CALGARY. 23. 3. 42.
	3rd "												P. D. McARTHUR.
F3100B.	Collective Weight.	14825	lbs.					136		{ BALOT TYPE STOCKLESS.		YULCAN IRON WORKS.	WINNIPEG. 13. 2. 42.
	Stream	2730	lbs.	-	-	-	-	23 1/4					J. F. NIND.

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.		Fathoms.	Ins.	Fathoms.	Ins.
	Fathoms.	Ins.		Supplied.	Per Rule.						Fathoms.	Ins.		Fathoms.	Ins.				
1481	225	2 1/2	A 140320 lbs B 424630 lbs	72214 lbs	-	225	2 1/2	NATIONAL MALLEABLE & STEEL CASTINGS CORPN	SHARON PA. 5. 5. 42. A. T. GRIMES.	Towline.	123 1/2	4 3/4	74.82	120	4 3/4				
										Hawsers & Warps	20 3/4	2 3/4	18.2	20 90	2 3/4				
											20 3/4	2 1/2	15.8	20 90	2 1/2				
Iron Stream Chain or Steel Wire	92 1/2	5"	-	59.8	G. 12. GSWR.	90	5"												

Steering Gear, Type (Power or hand) **Steam with telemotor control** Alternative Means of Steering **Blocks & tackle to after warping winch.**

Steering Chains (Size and Test) **Windlass Steam 11" x 13"** Boats **2 @ 20'0" 1 @ 26'0" 1 @ 28'0" (Motor)**

Ceiling in Holds, thickness and material **2 1/2" B.C. Fir** Cargo Battens, thickness, material and spacing **2" B.C. Fir 9" Clear**

Cargo Hatchways.—(Upper Deck) **Steel plates and angles** Thickness of Hatches **3" 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'** **Cross Bunker No. 6 8' x 20'**

Number of Shifting Beams) **Nos. 1, 2, 4 & 5 - each 5. No. 3 - 2. Cross Bunkers - 1.**
and/or Fore and Afters

Builder's Signature **WEST COAST SHIPBUILDERS LTD.**
W. S. M. Lane Director.

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 material 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 equipment of anchors and chain cables is in accordance with the War Emergency Reduction of Equipment requirements and it is recommended that a suitable Notation be entered on the First Entry Certificate. The weights of Anchors supplied are slightly below those specified but the collective weight of the two bower anchors exceeds two-thirds of the Tabular collective weight. The ship has also been surveyed during construction on behalf of the Minister of Munitions and Supply of Canada in accordance with the Hull Specification requirements which have been carried out to our satisfaction.

The amount of Entry Fee £ **50.00** Fees applied for, **9th July 1942** (Special notations, where part of class, to be stated.)
Special Survey Fee..... £ **2145.00** Received by me, **19**
Travelling Expense, if any £ **50.00**
Owners' Representatives \$1000.00

I am of opinion the Vessel should be Classed **100 A1 with Freeboard.**

State whether the Vessel has been built under Special Survey **Yes** Signature **J. Perry**
Certificate to be sent to **New York** Date of issue **1/12/42** Surveyor to Lloyd's Register of Shipping.

Committee's Minute **TUE. 22 SEP 1942**
Character assigned **+ 100 A1 with freeboard + LMC 7.42**
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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 second of this type to be built by the 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 - "PORT CHILCOTIN" (Vancouver Report No. 5764).

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:-

No. F-1392 for Stern Frame.

No. F-3373 for Rudder.

No. F-1710 for Steering Engine, quadrant and tiller.

No. F-1837 for Steam Windlass.

Nos. F-1990, 1981, 1991, 1982, 1992, 1993, 3148, 1983, 3149, 1980 for Steam Winches.

(Warping Winch 3424).

PARTICULARS OF ELECTRIC WELDING (if employed) D.B. Tanks, W.T. Floors, margin plates to shell, to side frame margin brackets and to floors, gusset plates to tank top and side frame margin brackets, hold bulkheads to tank top, 2nd deck closing plates to shell and frames, plate butts of shell, tank top (part) tunnel top and sides, 2nd deck, upper deck, centre girder and hatch side girders, other items of minor importance. Electrodes:- complying with Sect. 4 paras. 1 - 9 of the Rules have been employed for manual welding and the Rules for the application of Electric Welding to 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	5750 lbs.	J.F.H.	F3100F	13-4-42
2nd "	5152 lbs.	P.D.M.	F2111	23-3-42
Stream	2030 lbs.	J.F.H.	F3100B	13-2-42

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 439.9'

No. and Material of Decks Two (2) - steel

Parts of Bottom of Vessel coated with cement or approved composition (Double bottom tanks and peaks cemented on bottom shell throughout and cement washed elsewhere except under E & B spaces where there is bitumastic solution and enamel on girders and floors and bitumastic solution on underside of tank top plating. Steel and bilges, bitumastic solution and enamel 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.
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, aft (Port) S.W.	20	390
Double bottom, if under Boilers only, (No. 5) 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	368.25	1149	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 48

Date 17th July, 1941

Dates of Surveys held while building

1941 - Oct. 11, 30 Nov. 5, 19, 24, 26. Dec. 5, 12, 17, 22.

1942 - Jan. 9, 22, 28 Feb. 2, 5, 9, 24 Mar. 11, 12, 17, 18, 19, 20, 23, 27, 28.

April - 1, 8, 9, 11, 13, 15, 17, 18, 20, 22, 23, 25, 27, 28, 29, 30.

May - 14, 20, 27, 28 June - 4, 9, 10, 11, 12, 15, 16, 17, 18, 19, 20, 22, 23, 24.

June - 25, 26, 27, 29, 30 July 1, 2, 3, 4, 6, 8, 9, 13.

Total No. of Visits 73