

Rpt. 1.

WRECK
SECTION

No. 985

STEEL STEAMER or MOTORSHIP

Received at London Office

20 JUL 1943

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 17th May, 1943

Port of Vancouver, B. C.

No. 5910

Survey held at Vancouver and North Vancouver, B.C.

Date First Survey 25th Feb., 1943

Last Survey 5th May, 1943

1943

On the (State if Machinery fitted Aft and if Single, Twin or 3 Screw)

Steel Single Screw Steamer "FORT CARIBOU"

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 6703.14

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

Total

Gross Tonnage 7131.92

Registered Tonnage 4244.83

REGISTERED DIMENSIONS. FEET.

Length 424.6'

Breadth 57.2'

Depth 34.9'

CLASS 100 A1 with Freeboard corresponding to a Summer Mld. Dft. of 26.18'

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) B 56.88

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

Depth to 2nd Deck - 28.58'

1st Longitudinal Number (L x D) 15529

2nd Numeral L x (B + D) 39191

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

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

Do. Long Bridge to top of keel

Draught Moulded 26.86'

Built at Vancouver and North Vancouver, BC

Launched 27th March, 1943 Yard No. 171

Builders Burrard Dry Dock Co. Ltd.

Owners Minister of Munitions & Supply of Canada.

Managers Haldin & Philipps, Ltd.,

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

Residence London

Port of Registry

If surveyed while building, afloat, or in dry dock

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 3/5 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 [or]	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 [or]	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 [or]	-		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	10 1/2 x .40" (FL 2")	
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.59		" " 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 [or]	8 3 1/2 .34		Tank Side Brackets, height above base line at toe of Frame and thickness	104 1/2 x .45	
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 Holds	.44	
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 [or]	8 3 1/2 .46	
Height of Brackets at side above base line at toe of frame	-		" " in way of Bridge, Angle, [or]	-	
Middle Line Keelson, on Floors, Angles, [or]	-		Spacing	Every Frame	
" " Through Plate or Intercoastal Plate	-		Second Deck, amidships, Angle [or]	9x3 1/2 x .38	
" " Foundation Plate on Floors	-		Spacing	Every Frame	
" " Flat Plate Keel Angles	-		Third Deck, amidships, Angle, [or]	-	
Side Keelsons, No. each side	-		Spacing	-	
" " thickness of Intercoastal Plate	-		Fourth Deck, amidships, Angle, [or]	-	
" " Angles	-		Spacing	-	
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	-	
Solid Floors, thickness and spacing	.36" At 30"		Spacing	-	
" " Are Frame and Reversed Frame joggled?	Yes		Bridge Deck, Angle, [or]	-	
Bracket Floors, breadth and thickness at middle line	-		Spacing	-	
" " breadth and thickness at margin plate	-		Forecastle Deck, Angle, [or]	-	
	-		Spacing	-	

PILLARS AND DECKS.					
	INCHES IN SHEET.	Any Departure from Approved Plans to be Noted.		INCHES IN SHEET.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	One- in tween decks only.	✓	Stringer Plate, breadth and thickness in way of Bridge	- - -	
" in 'tween Decks, Size and Spacing.....	{ 6 6 8 on alt. frs.	✓	Thickness of Plating abreast Deck openings} .35		
" " " " "	- - -	✓	Thickness of Plating abreast Deck openings} .34		
" in Holds " "	- - -		If Sheathed, material and thickness.....		
" " " " "	- - -		Third Deck.		
Centre Line Bulkhead.in Holds.	{ CH 12x3 1/2 x 3 1/2 x .45	✓	Stringer Plate, breadth and thickness.....		
Stiffeners and Spacing.....	on alt. frs.	✓	If Plated, state thickness.....		
Plating, thickness of30	✓	Fourth Deck.		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness.....		
Uppermost Continuous Deck.			If plated, state thickness.....		
Stringer Plate, breadth and thickness in Wells.....	61 x .64	✓	Poop Deck.		
" " " " in way of Bridge.....	- - -		Stringer Plate, breadth and thickness.....		
" E.W. to Sheerstrake		✓	Plating, Sheathing, material and thickness.....		
" Angle in Wells.....			Bridge Deck.		
Thickness of Plating abreast Deck openings} .55			Stringer Plate, breadth and thickness.....		
in way of Wells.....	- - -		Plating, Sheathing, material and thickness.....		
Thickness of Plating abreast Deck openings} .40			Forecastle Deck.		
in way of Bridge	- - -		Stringer Plate, breadth and thickness.....		
Thickness of Plating within line of openings..	- - -		Plating, Sheathing, material and thickness.....		
If Sheathed, material and thickness	- - -				
Second Deck.					
Stringer Plate, breadth and thickness in Wells.....	50" x .43"	✓			

[illegible]

FORGINGS and CASTINGS.

						STIFFENERS.		FRAME.			
						Plating Thickness.	VERTICAL.		HORIZONTAL.		
							Ins.	Scantlings.	Spacing.	Ins.	Scantlings.
MIDSHIP BULKHEAD	(Fr. 93)	Upper tween decks	.26	6x3 $\frac{1}{2}$ x.38	30	-	-				
" "	Second	"	-	-	-	-	-				
" "	Third	"	-	-	-	-	-				
" "	Holds		.26	39 12x3 $\frac{1}{2}$ x.38	30	-	-				
COLLISION	(in Hold) (Fr. 162)		.33	50 7x3x.36	24 3	Stgrs.	6'-0"				
AFTER PEAK	(Fr. 12)		.30	35 7x3x.38	24	"	6'-6"				
						Speed of Vessel		Not exceeding 12 knots			
						RUDDER—Type		Semi-Balanced Streamlin			
						A x D		282 - -			
						Diam. of head		- 9 $\frac{1}{2}$ Dia.			
						Mainpiece at top pintle		- 12Dia.			
						heel		- 9 $\frac{1}{2}$ Dia.			
						how constructed		Built, Riv ^d & E.W.			
						double or single plate coupling, vertical or horizontal		Double Horizontal			

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture). Open Hearth
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

ANCHORS.

HAWSERS AND WARPS.

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

Steering Chains (Size and Test)..... Windlass Steam - 11" x 13" Boats (1@26' x 8.00' x 3.25'
1@28' x 8.60' x 3.75' (Motor

Ceiling in Holds, thickness and material 2 1/2" thk. B.C. Fir Cargo Battens, thickness, material and spacing (1 1/2" thk. B.C. Fir
0 1/2" Clear

Cargo Hatchways.—(Upper Deck) Strong steel plates and angles Thickness of Hatches 2" 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.....

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 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 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 amount of Entry Fee £\$ 50.00 } Fees applied for, (Special notations, where part of class, to be stated.)

Special Survey Fee..... £ \$ 2145.00
Freeboard \$ 100.00
Travelling Expense, if any £ \$ 50.00
Owner's Rep. \$ 1000.00

Received by me, *[Signature]*
19 *[initials]*

WE ARE
of opinion the Vessel should be Classed "100 A1 with
Freeboard, subject to 45 fathoms 2-5/16"
diameter stud link chain cable being supplied
at the earliest opportunity.

State whether the Vessel has been built under Special Survey Yes Signature R. C. C. and J. Sinclair

Certificate to be sent to New York Date of issue 27/8/47

OR *Constitution's Minute* TUES. 17 AUG 1943

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 forty-fourth 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" (Ver. 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.

Immersed main ship's side openings Certificate issued - Copy attached.

A copy of each of the following Certificates attached hereto.

Certificate No. F-6044 for cast steel stern frame.

Certificate No. F-6516 for rudder.

Certificate No. F-6236 for steam steering engine, quadrant and tiller.

Certificate No. F-6217 for windlass.

Certificate Nos. F-6270, F-6272, F-5978, F-5673, F-6207, F-6210, F-6182, F-5633, F-6209, F-6208 & F-6572 for winches.

Certificate Nos. F-5143, F-5144 & F-5147 for anchors.

There are six (6) divisional bulkheads in the tween decks. These are all watertight and have no tonnage openings in them except on bulkhead No.93 (between No.3 tween decks and tween deck bunker) where steel hinging W.T. doors are fitted to openings, 1P. and 1S.

PARTICULARS OF ELECTRIC WELDING (if employed)

Upper deck stringer plate to sheerstrake; double bottom tank margin plates to shell, to side frame brackets and to floors; gusset plates to double bottom tank top and side frame brackets; hold bulkheads to tank top; closing plates to 2nd deck stringer plates shell and frames; plate butts of shell plating, double bottom tank top, centre girder and hatch side girders; also tween deck bulkheads, tunnels, deckhouses and masts, E.W. construction and butts and seams of upper and 2nd decks' plating welded - Union Melt. Other items of minor importance and the Rules for the application of Electric Arc Welding to Ship Construction have been complied with where applicable.

SPECIAL NOTATIONS:—Echo Sounder; Wireless.

Particulars of Drop Test of Cast Steel Anchors, viz:—
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	5713 lbs.	J.F.H.	F-5143	28th Jan., 1943
2nd "	5638 lbs.	J.F.H.	F-5144	28th Jan., 1943
Stream	2052 lbs.	J.F.H.	F-5147	2nd Feb., 1943

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.**

Parts of Bottom of Vessel coated with cement or approved composition **Nos. 5 (B.R.) and 6 (E.R.) D.B. tanks and 3 fr. spaces fwd. and aft of them have 2" thk. cement on bottom shell. Remainder of D.B. tanks and bilges fore and aft cement washed throughout.**

Particulars of composition (if fitted) and of approval —

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 (dry)	S.W. 20.0	89.	Deep tank, forward, Star'd.	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. **61**

Date **10-9-42**

Dates of Surveys held while building

1943.- Feb. 25.

Mar. 8, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20, 22, 23, 24, 25, 27, 29.

Apr. 15, 19, 22, 26, 29, 30.

May 1, 3, 4, 5.

Total No. of Visits **28**