

STEEL STEAMER or MOTORSHIP

Received at London Office

State if Report has been sent on the Freeboard of the Vessel YesState if Report is sent on the Machinery of the Vessel Yes

-1 JUN 1943

Date of completion of report April 14th, 1943 Port of Vancouver, B. C. No. 5901Survey held at North Vancouver, B.C. Date First Survey 18th Dec., 1942 Last Survey 3rd April, 1943On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Steel Single Screw Steamer "FORT CONNOLLY"State Type (Full scantling, Complete Superstructure with or without Tonnage Openings) C.S.S. with T.O. closed

State Type of Erections

TONNAGE under 6703.16
Tonnage DeckDo. of space or spaces
between Tonnage Dk.
and Upper Dk.

Total

Gross Tonnage 7132.78

Register Tonnage 4243.97

REGISTERED DIMENSIONS.
FEET.

Length 424.6'

Breadth 57.2'

Depth 34.9'

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

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 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 deck. See Sec. 3 (1c) 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 North Vancouver, B. C.Launched 20th Feb., 1943 Yard No. 170Builders Burrard Dry Dock Co. Ltd.Owners Minister of Munitions & Supply of Canada.Managers Gibbs & Co.,
(Where necessary to be entered in Reg. Book.)Residence Cardiff.

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.
AMES, Spacing amidships	30	✓	Bracket Floors, Frame	-	-
" " from 3/8 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 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 6 3 1/2 .44	✓
" " Extends up to	-	-	Margin Plate depth (excl. of flange) and thickness	40 1/2 x .54	✓
Depth of Framing Girder	12	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	Welded to Tank side Brackets	✓
Spaces in Uppermost Continuous 'tween Decks, Angle [or]	6 3 1/2 .50	✓	" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	10 1/2 x .40 (FL 2")	✓
" Second 'tween Decks, Angle, [or]	-	-	" " Gussets, spacing and scantling abaft 1/4 len. from stem	Continuous	✓
No. 1 Hold (Frs. 135-162) Angle	15x4x4x.625	✓	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	17" x .40 (FL 2")	✓
No. 2 Hold (Frs. 106-135) Angle	12x4x4x.50	✓	" " Frame 144	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 [8 3 1/2 .34	✓	INNER BOTTOM PLATING.		
Number 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	✓
Is Frame Joggled	No	✓	Thickness of remainder in Holds	.44	✓
Are the scantlings and arrangements in the Anting 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	8 3 1/2 .46	✓
Floors, Depth and thickness at mid-line in Holds			" " in Wells, Angle [or]	-	-
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			Spacing		

PILLARS AND DECKS.			
	INCHES IN SHEET.	Any Departure from Approved Plans to be Noted.	
PILLARS, No. of Rows.....	One - in tween decks only.		
" in 'tween Decks, Size and Spacing.....	{ 6 6 5 on alt. frs.		
" " " " " "	- - -		
" in Holds " "	- - -		
" " " " " "	- - -		
Centre Line Bulkhead. in Holds			
Stiffeners and Spacing.....	{ 12x3 12x3 12x4 5 on alt. frs.		
Plating, thickness of.....	.30		
STRINGERS AND DECKS.			
Uppermost Continuous Deck.			
Stringer Plate, breadth and thickness in Wells	61 x .64		
" " " " " " in way of Bridge	- - -		
" " " " " " " E.W. to Sheerstrake			
" " " " " " Angle in Wells			
Thickness of Plating abreast Deck openings } in way of Wells	.55		
Thickness of Plating abreast Deck openings } in way of Bridge	- - -		
Thickness of Plating within line of openings..	.40		
If Sheathed, material and thickness	- - -		
Second Deck.			
Stringer Plate, breadth and thickness in Wells	50" x .43"		
Stringer Plate, breadth and thickness.....			
Thickness of Plating abreast Deck openings } in way of Wells	.35		
Thickness of Plating abreast Deck openings } in way of Bridge	- - -		
Thickness of Plating within line of openings..	.34		
If Sheathed, material and thickness.....			
Third Deck.			
Stringer Plate, breadth and thickness.....			
If Plated, state thickness.....			
Fourth Deck.			
Stringer Plate, breadth and thickness.....			
If plated, state thickness.....			
Poop Deck.			
Stringer Plate, breadth and thickness.....			
Plating, Sheathing, material and thickness.....			
Bridge Deck.			
Stringer Plate, breadth and thickness.....			
Plating, Sheathing, material and thickness.....			
Forecastle Deck.			
Stringer Plate, breadth and thickness.....			
Plating, Sheathing, material and thickness.....			

[illegible]

FORGINGS and CASTINGS.

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
Corpn., The Phoenix Iron Co., Algoma Steel Products Co. Ltd., Bethlehem Steel Co.
 Has the Steel been tested as required by the Rules? Yes

ANCHORS

HAWSEERS AND WARPS

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 (28'0" x 10.7' x 2.00')
(10'26" x 8.00' x 3.25')
(10'28" 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 2" thk. B.C. Fir
9" Clear

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' x Bkr. 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 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.)
6th Apr, 1943

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

Received by me, *RB*
 _____ 19____

WE ARE.
 In 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 James Sinclair

Surgeon, Lloyd's Register of Shipping

Certificate to be sent to supr. Date of issue 22/07/43

Committee's Minute

Character assigned 450 AM. subject:
with fresh air

4 LMC 44.428

FD CA

Mileage

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 fortieth 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.

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

A copy of each of the following Certificates attached hereto.

Certificate No. F-5630 for cast steel stern frame.

Certificate No. F-6075 for rudder.

Certificate No. F-5945 for steam steering engine, quadrant and tiller.

Certificate No. F-3741 for windlass.

Certificate Nos. F-3271, F-3493, F-5892, F-5891, F-3407, F-3845, F-5893, F-5894, F-3699, F-3755 & F-1275 for winches.

Certificate Nos. F-5082, F-5083 & F-5085 for anchors.

There are six divisional bulkheads in the tween decks, all watertight having the tonnage openings closed with rivetted plates except on bulkhead No.93 (between tween deck coal bunker and No.3 tween decks) which has steel hinging W.T. doors.

PARTICULARS OF ELECTRIC WELDING (if employed) Upper deck stringer plate to sheerstrake; double bottom tank margin plates to shell, to side frame brackets, to gusset plate and to floors; hold bulkheads to tank top; closing plates to 2nd deck stringer plate, shell and tween deck frames; plate butts of double bottom tank top, centre girder, 2nd deck and upper deck plating and hatch side girders; also casings, tween deck bulkheads, centre line bulkheads and tunnels S.W. construction. 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 Arc Welding to Ship Construction have been complied with where applicable.

Plate butts of shell plating E.W.
See page 2 of this Rpt. & letter 6.5.43

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	5690 lbs.	J.F.H.	F-5082	22-12-42
2nd "	5670 lbs.	J.F.H.	F-5083	29-12-42
Stream	2020 lbs.	J.F.H.	F-5085	22-12-42

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 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 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, 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. 60

Date 22-4-42

Dates of Surveys held while building

1942. Dec. 18.

1943. Jan. 18,19,25,26,27,28,29.

Feb. 1,2,4,5,6,8,10,11,12,13,15,16,17,18,19,20.

Mar. 8,16,17,25,27,29,30,31.

Apr. 1,2,3.

Total No. of Visits 35