

STEEL STEAMER ~~MOTORSHIP~~

Received at London Office.

17 JUN 1942

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 4th MAY, 1942.Port of VANCOUVER B.C.No. 5442.Survey held at NORTH VANCOUVER B.C. Date First Survey 21st OCTOBER, 1941. Last Survey 2nd MAY, 1942.On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) STEEL SINGLE SCREW STEAMER "FORT FRASER"State Type (Full Seantling, Complete Superstructure with or without Tonnage Openings) C.S.S. WITH T.O. CLOSED.State Type of Erections. ---TONNAGE under Tonnage Deck... 4403.34Do. of space or spaces between Tonnage Dk. and Upper Dk. ---Total ---Gross Tonnage 4125.44Register Tonnage 4253.28CLASS + 100 A.I. WITH

FREEBOARD CORRESPONDING TO A SUMMER MLO. OF 26'-10"

State if with freeboard as condition of Class YES.Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 416.00Breadth (greatest moulded) B 56.88Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck, See Sec. 3 (1c) D 37.331st Longitudinal Number (L x D) 155292nd Numeral L x (B + D) 39191Framing Depth "d," at middle of length. See Sec. 3 (1d) 25.08'Proportions—Depth to Length — Uppermost continuous deck to top of keel 11.14Do. Long Bridge to top of keel ---Draught Moulded 26.86'Built at NORTH VANCOUVER B.C.Launched 21st FEBRY 1942. Yard No. 136.Builders BURRARD DRY DOCK CO. LTD.Owners H.M. GOVERNMENT IN THE UNITED KINGDOM.Managers MUNGO CAMPBELL & CO. LTD.

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

Residence NEWCASTLE-ON-TYNE.Port of Registry ---If surveyed while building, afloat, or in dry dock BUILDING, AFLOAT AND IN DRY DOCK.

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..... | 24 | | " " Reversed Frame | | |
| " " in peaks | 24 | | " " Vertical Struts | | |
| FRAME FRAMING. | | | Centre Girder, depth and thickness amidships | 43 1/2 x 54 | |
| Frame Amidships, Angle, [] | 12 x 4 x 4 x 47 | | " " top Angles | 3 1/2 3 1/2 x 44 | |
| " " Extends up to..... | 2 nd DECK | | " " bottom Angles | 4 4 x 50 | |
| Reversed Frame Amidships, Angle..... | --- | | Side Girders, No. each side and thickness..... | ONE 6 3/2 x 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 | |
| Frames in Uppermost Continuous 'tween Decks, Angle, [] | 6 3 1/2 x 50 | | " " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area | TANK SIDE BRACKETS | |
| " " Second 'tween Decks, Angle, [or [] | 12 x 4 x 4 x 62 1/2 | | " " Gussets, spacing and scantling abaft 1/4 len. from stem | 10 1/2 x 40 (FL 2") CONTINUOUS | |
| " " from 1/2 len. for'd. to 15% len. from Stem | 12 x 4 x 4 x 62 1/2 | | " " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area | 11 1/2 x 40 (FL 2") CONTINUOUS | |
| " " in Peaks, Angle, [] | 8 3 1/2 x 34 | | Tank Side Brackets, height above base line at toe of Frame and thickness | 10 1/4 x 45 | |
| Diameter and Spacing of Rivets through Frame and Shell Plating amidships | 7/8 AT 6 1/2 INCHES | | INNER BOTTOM PLATING. | | |
| State if Frame Joggled | No. | | Breadth and thickness of Middle Line Strake..... | 8 1/2 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. | |
| DOUBLE BOTTOM. | | | BEAMS. | | |
| Floors, Depth and thickness at mid-line in Holds | | | Uppermost Continuous Deck, amidships in Walls, Angle, [] | 8 3 1/2 x 48 | |
| 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 9 3/2 x 38 | |
| " " Through Plate or Intercoastal Plate..... | --- | | Second Deck, amidships, Angle, [or [] | 12 x 4 x 4 x 44 | |
| " " 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.
PILLARS, No. of Rows... ONE IN TWELVE
Centre Line Bulkhead, in Holds.
STRINGERS AND DECKS.
Uppermost Continuous Deck.
Second Deck.

SHELL PLATING.
SCANTLINGS.
RIVETING.
STRAKES.
FLAT PLATE KEEL
BOTTOM PLATING, No. of Strakes... FOUR
BILGE PLATING, No. of Strakes... ONE
SIDE PLATING, No. of Strakes... THREE
UPPER DECK, Sheer-strake in Well...
UPPER DECK, Sheer-strake in Bridge...
STRAKE BELOW SHEER-strake in Well...
STRAKE BELOW SHEER-strake in Bridge...
POOP SIDE PLATING...
BRIDGE SIDE PLATING...
FORECASTLE SIDE PLATING...

WATERTIGHT BULKHEADS.
FORGINGS and CASTINGS.
STIFFENERS.
MIDSHIP BULKHEAD Upper two decks
COLLISION AFTER PEAK
STEEL.
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)...

EQUIPMENT No. 29800
LETTER of...
ANCHORS.
Number of Certificate...
Anchors...
Weight, Ex. Stock...
Test, per Certificate...
Description of Anchor...
Makers...
Where and when tested and Superintendent...

CHAIN CABLES.
HAWERS and WARPS.
Number of Certificate...
Length and size supplied...
Weight of Chain Cable...
Length and size specified...
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...

Steering Gear, Type (Power or hand)
Steering Chains (Size and Test)
Ceiling in Holds, thickness and material
Cargo Hatchways, (Upper Deck)
Size of Hatchways No. 1 (Fwd.)
Number of Shifting Beams
Builder's Signature
Burrard Dry Dock Company, Limited
President

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
(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo
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 amount of Entry Fee
Special Survey Fee
Travelling Expense, if any
State whether the Vessel has been built under Special Survey
Certificate to be sent to
Date of issue
Committee's Minute
Character assigned
With freeboard
Bulls & Shell work, etc. weld
Lloyd's Register of Shipping
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 third of this type to be built by Burnard Dry Dock Co Ltd, North Vancouver, B.C., and is a sister ship to the same builders yard No 130 - S.S. "FORT ST. JAMES", (Vancouver report No 5418.)

The approved plans have been retained for dealing with sister ships 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 1463 for steam steering engine, quadrant and tiller.
certificate No F 1045 for steam windlass.

certificates Nos F 1984, 1199, 1816, 1815, 1985, 1886, 1884, 1817, 1885, 1883 and 1754 for steam Winches.

certificate No F 1222 for cast steel stern frame.

certificate No F 1449 for rudder.

PARTICULARS OF ELECTRIC WELDING (if employed)

Double bottom 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 bulkhead to tank top plating; 2nd deck stringer closing plates to shell and frames; plate butts of shell, tank top (part) tunnel top and sides, 2nd deck, upper deck, centre girders and hatch side girders; 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.

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 | 5630 lbs. | T.H.D. | B.C. 14169 | 10-11-41. |
| 2nd " | 5625 " | T.H.D. | B.C. 14140 | 10-11-41. |
| STRENGTH | 1835 " | T.H.D. | B.C. 14168 | 10-11-41. |

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 438'-6" (Circ. 1611) (Circ. 1703)

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

Parts of Bottom of Vessel coated with cement or approved composition throughout and cement washed elsewhere, except under E.S.B.

Spaces where there is bitumastic solution and enamel on girders and floors and bitumastic solution on under side of tank top plating. Skelwork in 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, (No 4 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 | S.W. 20. | 345. |
| Double bottom, forward, (No 1, 2, 3 and 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. 42

Date 14th February, 1942.

Dates of Surveys held while building

1941: OCT, 21, 30; NOV⁸, 5, 6, 10, 12, 14, 20, 24; DEC⁸, 2, 3, 5, 8, 10, 12, 13, 14, 18, 20, 30, 31;
1942: JAN^Y, 6, 13, 15, 16, 19, 21, 22, 23, 29, 30; FEB^Y, 5, 6, 4, 8, 9, 12, 13, 14, 16, 14, 18, 19, 20, 21, 22, 24;
MARCH, 3, 5, 12, 13, 14, 25, 24, 29, 31; APRIL, 1, 2, 4, 10, 11, 12, 13, 14, 15, 16, 19, 21, 20, 24;
MAY, 2.

Total No. of Visits 41.