

# REPORT ON WATER TUBE BOILERS.

No. 6327

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Writing Report 20th Sept. 44 When handed in at Local Office 20th Sept. 1944 Port of Vancouver, B. C.  
 Survey held at Vancouver, B. C. Date, First Survey 10th June, 1944 Last Survey 6th September, 1944  
 Bk. on the Steel Single Screw Steamer "MOUNT ROBSON PARK" Ex- "FORT MIAMI" (Number of Visits 17) Gross 6709.66 Tons  
 at Vancouver, B. C. By whom built West Coast Shipbuilders, Ltd. When built 1944  
 es made at Montreal, P. Q. By whom made Dominion Engineering Works Ltd. When made 1944  
 rs made at Vancouver, B. C. By whom made Vancouver Iron Works, Ltd. When made 1944  
 44 al Horse Power 628 Owners Minister of Munitions & Supply of Canada (Mrs. Park Steamship Co. Ltd.) Port belonging to Montreal, P. Q.

TER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY. Manufacturers of Steel Steel Co. of Canada, Page-Hersey Tubes, Combustion Eng. Co., Chattanooga.

of Approval of plan 17 - 7 - 43 Number and Description of Type 2 Sinuous Header Watertube Working Pressure 250 lbs. (Spt. 230 lb.) Tested by Hydraulic Pressure to 425 lbs. Date of Test 20-6-44

of Certificate 719 - 720 Can each boiler be worked separately Yes Total Heating Surface of Boilers 9704 sq. ft. (2 Blrs)

ced draught fitted Yes Area of fire grate (coal) in each Boiler - -

nd type of burners (oil) in each boiler 4 Todd "Hex - Press" Burners No. and description of safety valves on boiler One Twin 4" spring loaded Area of each set of valves per boiler { per rule 22.9 sq. in. as fitted 25.14 " " Pressure to which they 23.9 with 450 lb

Adjusted 250 lbs. Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter

23. donkey boiler - - Smallest distance between boilers or uptakes and bunkers or woodwork 23" Height of boiler 16'-5-5/8

b and Length 14'-7 1/2" x 18'-7 1/2" Steam Drums:—Number in each boiler One Inside diameter 47 3/8"

ness of plates 15/16" Range of Tensile Strength 70,000 to 82,000 lbs. Are drum shell plates welded

inged Welded If fusion welded, state name of welding firm Vancouver Iron Works, Ltd. Have all the requirements of the rules

Class I vessels been complied with Yes Description of riveting:—Cir. seams - - long. seams - -

eter of rivet holes in long. seams - - Pitch of rivets - - Thickness of straps - - Percentage strength of joint:—Plate - - Rivet - - Diameter of tube holes in drum 4-1/32" Pitch of tube holes 7"

ntage strength of shell in way of tubes 42.5% Steam Drum Heads or Ends:—Range of tensile strength 65,000 to 77,000 lbs.

ness of plates 15/16" Radius or how stayed 38" Size of manhole or handhole 12" x 16" Water Drums:—Number

h boiler One Inside diameter 5 1/2" sq. Thickness of plates 3/4" Range of tensile strength 60,000 - 70,000 lbs. Are drum shell plates

d or flanged Solid drawn If fusion welded, state name of welding firm - - Have all the requirements of the rules

Class I vessels been complied with - - Description of riveting:—Cir. seams - - long. seam - -

eter of rivet holes in long. seams - - Pitch of rivets - - Thickness of straps - -

es ntage strength of long. joint:—Plate - - Rivet - - Diameter of tube holes in drum 4-1/32" Pitch of tube holes 7"

ntage strength of drum shell in way of tubes 42.5% Water Drum Heads or Ends:—Range of Tensile strength 60,000 to 70,000 lbs.

ness of plates 9/16" min. Radius or how stayed Handholes in end Size of manhole or handhole 4 1/2" x 5 1/2"

ers or Sections:—Number 22 Material Steel Thickness 9/16" Tested by Hydraulic Pressure to 500 lbs.

ss:—Diameter 2" & 4" Thickness 10 & 6 BWG (203" Number 602-2" 44-4" Steam Dome or Collector:—Description of

to Shell - - Inside diameter - - Thickness of shell plates - - Range of tensile

at th - - Description of longitudinal joint - - If fusion welded, state name of welding

- - Have all the requirements of the rules for Class I vessels been complied with - - Diameter of rivet holes - -

of rivets - - Thickness of straps - - Percentage strength of long. joint - - Plate - - Rivet - -

n or End Plates:—Range of tensile strength - - Thickness - - Radius or how stayed - -

C. PERHEATER. Drums or Headers:—Number in each boiler Two Inside diameter 6" square

ness 5/8" Material Steel Range of tensile strength 60,000 to 70,000 lbs. Are drum shell plates welded

inged Forged If fusion welded, state name of welding firm - - Have all the requirements of the rules

Class I vessels been complied with - - Description of riveting:—Cir. seams - - long. seams - -

eter of rivet holes in long. seams - - Pitch of rivets - - Thickness of straps - - Percentage strength of joint:—Plate - - Rivet - - Diameter of tube holes in drum 2-1/64" Pitch of tube holes 3-3/4" Percentage strength of shell in way of tubes 46% Drum Heads or Ends: Welded to inlet and outlet nozzles. Range of tensile strength - -

s or how stayed - - Size of manhole or handhole 4 1/2" x 5 1/2" Number, diameter, and thickness of tubes 22 of 2" OD 10BWG 1.34 wall.

l by Hydraulic Pressure to 425 lbs. Date of Test 19-6-44 and 20-6-44 Is a safety valve fitted to each section of the superheater which

e shut off from the boiler Yes No. and description of Safety Valves One Area of each set

lves 1.76 sq. inches Pressure to which they are adjusted 230 lbs. Is easing gear fitted No

re Gear Has the spare gear required by the rules been supplied Yes

2. Headers, Superheater headers and mud drums manufactured by Combustion Engineering Co. Inc. at Chattanooga, Tennessee, under Mobile Surveyors inspection and certificate. The foregoing is a correct description. Manufacturer.

es } During progress of 1944 June 10, 12, 14, 15, 16, 19, 20 & 21 Is the approved plan of boiler forwarded herewith No

rvey } work in shops - - 1944 July 12 & 20 Aug. 21, 23, 24, 29 & 30 Plans in U.K.

le } During erection on 1944 July 12 & 20 Aug. 21, 23, 24, 29 & 30 Total No. of visits 17

ing } board vessel - - September 1 & 6.

boiler a duplicate of a previous case. Yes If so, state vessel's name and report No. "FORT COLUMBIA" (Vcr. Report No. 5942)

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been built and fitted on

nd under Special Survey in accordance with the approved plans, New York letters and the Rules.

workmanship is good and the materials tested as per Rule. Satisfactorily tested under hydraulic

asure as above, examined under working conditions, safety valves adjusted to the W.P. and a

factory accumulation test carried out. 11th Sept. 1944

Survey Fee \$150.00 : When applied for, 11th Sept. 1944

travelling Expenses (if any) \$ 15.00 : When received, 19

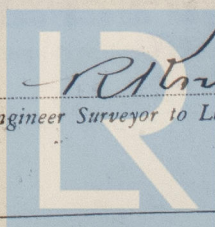
Committee's Minute

igned

8 DEC 1944

see minute on J.E. Rpt.

Engineer Surveyor to Lloyd's Register of Shipping.



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