

REPORT ON WATER TUBE BOILERS.

No. 18387

TUE MAY 25 1900

Date of writing Report

191

When handed in at Local Office

191

Received at London Office

Port of NEW YORK N.Y.

TUE MAY 25 1900

No. in Survey held at BROOKLYN N.Y. Date, First Survey _____ Last Survey _____
 Reg. Bk. 20787 on the S/S "FORT VICTORIA" EX. "WILLOCHRA" Number of Visits _____
 Master _____ Built at DALMUIR By whom built W. BEARDMORE & CO. LD. When built 1913
 Engines made at DALMUIR By whom made W. BEARDMORE & CO. LD. When made 1913
 Boilers made at _____ By whom made _____ When made 1913
 Registered Horse Power _____ Owners FURNESS BERMUDA LINE Port belonging to LIVERPOOL

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel

(Letter for Record _____) Date of Approval of plan _____ Number and Description or Type
 of Boilers 6 Babcock & Wilcox W.J. Working Pressure 250. Tested by Hydraulic Pressure to _____ Date of Test _____
 No. of Certificate _____ Can each boiler be worked separately YES. Total Heating Surface of Boilers 25,390 sq. ft.
 Is forced draught fitted No. Area of fire grate (coal) in each Boiler 102.75 sq. ft. Total grate area of boilers in vessel including
 Main and Auxiliary 616.5 sq. ft. No. and type of burners (oil) in each boiler 5 White No. and description of safety valves on
 each boiler 2 SPRING LOADED. Area of each valve 8.295 sq. ft. Pressure to which they are adjusted 250
 Are they fitted with easing gear YES. In case of donkey boilers state whether steam from main boilers can enter the donkey boiler _____
 Smallest distance between boilers or uptakes and bunkers or woodwork 12" Height of Boiler 16'-10 5/8" Width and Length 15'-0 5/8" x 15'-6"
 Steam Drums:—Number in each boiler 1 Inside diameter 3'-6" Material of plates STEEL Thickness 3/8"
 Range of Tensile Strength 26-30 Are drum shell plates welded or flanged No Description of riveting:—
 Cir. seams D.R.L. Long. seams T.R.S.B.S. Diameter of rivet holes in long. seams 3/8" Pitch of Rivets 3 1/2"
 Lap of plates or width of butt straps 7 1/2" Thickness of straps 7/16" Percentage strength of long. joint:—Plate 74 1/2% Rivet 118%
 Diameter of tube holes in drum 3 1/8" Pitch of tube holes 7" Percentage strength of shell in way of tubes _____
 If Drum has a flat side state method of staying _____ Depth and thickness of girders at centre
 (if fitted) _____ Distance apart _____ Number and pitch of stays in each _____ Working pressure
 by rules 290 lbs. Steam Drum Heads or Ends:—Material STEEL Thickness 3/4" Radius or how stayed 3'-0"
 Size of Manhole or Handhole 15" x 11" in shell Water Drums:—Number in each boiler _____ Inside Diameter _____
 Material of plates _____ Thickness _____ Range of tensile strength _____ Are drum shell plates welded
 or flanged _____ Description of riveting:—Cir. seams _____ long. seams _____ Diameter of Rivet Holes in
 long. seams _____ Pitch of rivets _____ Lap of plates or width of butt straps _____ Thickness of straps _____
 Percentage strength of long. joint:—Plate _____ Rivet _____ Diameter of tube holes in drum _____ Pitch of tube holes _____
 Percentage strength of drum shell in way of tubes _____ Water Drum Heads or Ends:—Material _____ Thickness _____
 Radius or how stayed _____ Size of manhole or handhole _____ Headers or Sections:—Number _____
 Material _____ Thickness _____ Tested by Hydraulic Pressure to _____ Material of Stays _____
 Area at smallest part _____ Area supported by each stay _____ Working Pressure by Rules _____ Tubes:—Diameter _____
 Thickness _____ Number _____ Steam Dome or Collector:—Description of Joint to Shell _____
 Percentage strength of Joint _____ Diameter _____ Thickness of shell plates _____ Material _____
 Description of longitudinal joint _____ Diameter of Rivet Holes _____ Pitch of Rivets _____ Working Pressure of shell
 by Rules _____ Crown or End Plates:—Material _____ Thickness _____ How stayed _____
 SUPERHEATER Type _____ Date of Approval of Plan _____ Tested by Hydraulic Pressure to _____
 Date of Test _____ Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler _____
 Diameter of Safety Valve _____ Pressure to which each is adjusted _____ Is easing gear fitted _____
 Is a drain cock or valve fitted at lowest point of superheater _____ Number, diameter, and thickness of tubes _____
 Spare Gear. Tubes _____ Gaskets or joints:—Manhole _____ Handhole _____ Handhole plates _____

The foregoing is a correct description,

Manufacturer.

Dates of Survey
 During progress of work in shops - - -
 while building board vessel - - -

Is the approved plan of boiler forwarded herewith

Total No. of visits

GENERAL REMARKS

(State quality of workmanship, opinions as to class, &c.)

These boilers were opened up completely and thoroughly examined and are in good order. The workmanship appears to be of the best class. The boilers in my opinion are eligible to be classed with this Society.

Survey Fee ... £ : :
 Travelling Expenses (if any) £ : :

When applied for,

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When received,

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H. D. Road.

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Assigned

See N.Y.K. Rpt No 18399.



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