

## REPORT ON WATER TUBE BOILERS. No. 628

Received at London Office

Date of writing Report 30th June 1954 When handed in at Local Office 30th June 1954 Port of ROUEN  
 No. in Survey held at La Courneuve (Seine) Date, First Survey 1.9.53 Last Survey 1.6.54 19  
 Reg. Book. (Number of Visits 28) Tons Gross  
 on the Built at La Ciotat By whom built Chantiers de La Ciotat Yard No. 175/176 When built  
 Engines made at By whom made Engine No. When made  
 Boilers made at La Courneuve (Seine) By whom made Soc. Babcock & Wilcox Boiler No. 10.719 When made 1954  
 Nominal Horse Power Owners Port belonging to

## WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY—Manufacturers of Steel Acieries de Longway &amp; other approved works.

Dates of Approval of plans 20.3.53, 7.9.53 No. and Description or Type of Boilers for two ships, Four Water Tube Working Pressure 40 Kg/cm<sup>2</sup> Tested by Hydraulic Pressure to 63.5 Kg/cm<sup>2</sup> Date of Test

No. of Certificate Can each boiler be worked separately Total Heating Surface of Boilers per ship 1192.8 m<sup>2</sup>

Is forced draught fitted Area of Fire Grate (coal) in each Boiler = 2.66 + 5 ft.

No. and type of burners (oil) in each boiler No. and description of safety valves on

each boiler Area of each set of valves per boiler { per rule as fitted Pressure to which they

are adjusted Are they fitted with easing gear 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 Height of boiler

Width and length Steam Drums: Number in each boiler ONE Inside diameter 1169 mm.

Thickness of plates 26 mm. & 86 mm (tube plate) Range of tensile strength 47/56 kg/mm<sup>2</sup> Are drum shell plates welded

or flanged welded If fusion welded, state name of welding firm Soc. Babcock & Wilcox Have all the requirements of the Rules

for Class I vessels been complied with Yes Description of riveting: Circ. seams long. seams

Diameter of rivet holes in long. seams Pitch of rivets Thickness of straps Percentage strength of

long. joint: Plate Rivet Diameter of tube holes in drum 32.5 & 51.5 Pitch of tube holes 44.5 & 52.5

Percentage strength of shell in way of tubes Steam Drum Heads or Ends: Range of tensile strength 47/56 kg/cm<sup>2</sup>

Thickness of plates 36 mm. Radius or how stayed 975 R. Size of manhole or handhole 305 x 407 Water Drums: Number

in each boiler ONE Inside diameter 729 mm. Thickness of plates 17 & 56 (tube plate) Range of tensile strength 47/56 kg/mm<sup>2</sup> Are drum shell plates

welded or flanged welded If fusion welded, state name of welding firm Soc. Babcock & Wilcox Have all the requirements of the Rules

for Class I vessels been complied with Yes Description of riveting: Circ. seams long. seams

Diameter of rivet holes in long. seams Pitch of rivets Thickness of straps

Percentage strength of long. joint: Plate Rivet Diameter of tube holes in drum 32.5 & 51.5 Pitch of tube holes 44.5 & 52.5

Percentage strength of drum shell in way of tubes Water Drum Heads or Ends: Range of tensile strength 47/56 kg/mm<sup>2</sup>

Thickness of plates 23 mm. Radius or how stayed 610 R. Size of manhole or handhole 305 x 407

Headers or Sections: Number Four (total) Material Seamless Steel Thickness 29 mm. Tested by hydraulic pressure to 70 kg/cm<sup>2</sup>

Tubes: Diameter 32, 51, 82.5 Thickness 3, 4.5, 7, 7 Number (per boiler) 1540 Steam Dome or Collector: Description of

joint to shell Inside diameter Thickness of shell plates Range of tensile

strength Description of longitudinal joint If fusion welded, state name of welding

firm Have all the requirements for the Rules for Class I vessels been complied with Diameter of rivet holes

Pitch of rivets Thickness of straps Percentage strength of long. joint plate rivet

Crown or End Plates: Range of tensile strength Thickness Radius or how stayed

SUPERHEATER, Drums or Headers: Number in each boiler TWO Inside diameter 203 mm.

Thickness 32 mm. Material Or Mo Steel Seamless Range of tensile strength 48/58 kg/mm<sup>2</sup> Are drum shell plates welded

or flanged If fusion welded, state name of welding firm Have all the requirements of the Rules

for Class I vessels been complied with Description of riveting: Circ. seams long. seams

Diameter of rivet holes in long. seams Pitch of rivets Thickness of straps Percentage strength of

long. joint: Plate Rivet Diameter of tube holes in drum 28.5 & 30.5 Pitch of tube holes 54 mm. Percentage strength of

drum shell in way of tubes Header Drum Heads or Ends: Integral Thickness 50 mm. Range of tensile strength as above

Radius or how stayed flat Size of manhole or handhole 302 x 302 Number, diameter, and thickness of tubes (per boiler) 129, 28

Tested by hydraulic pressure to 64 kg/cm<sup>2</sup> Date of test Is a safety valve fitted to each section of the superheater which

can be shut off from the boiler No. and description of safety valves Area of each set

of valves Pressure to which they are adjusted Is easing gear fitted

Spare Gear. Has the spare gear required by the Rules been supplied

S. Française des Constructions BABCOCK & WILCOX

The foregoing is a correct description, for the Director General, Manufacturer.

Dates of Survey During progress of 1.9.53, 9.9.53, 18.9.53, 24.9.53, 6.10.53, Is the approved plan of boiler forwarded herewith No

while at La Courneuve 27.10.53, 3.11.53, 10.11.53, 17.11.53, 24.11.53, Total No. of visits 13, 4, 54

building during construction 12.53, 4.12.53, 15.12.53, 29.12.53, 12.1.54, 9.2.54, 16.2.54, 25.2.54, 3.3.54, 9.3.54, 19.3.54, 30.3.54, 2.4.54, 20.4.54, 30.4.54, 20.4.54, 1.6.54

Is this boiler a duplicate of a previous case If so, state vessel's name and report No.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c. the drums, headers & tubes mentioned above

have been constructed under Special Survey in accordance with the approved plans, Secretary's letters

and the Society's Rules. The workmanship is good. These parts have been dispatched to La Ciotat

for erection and installation in the above ships.

Survey Fee ... £rs. 424.000.- When applied for 19

Travelling Expenses (if any) £rs. 54.000.- When received 19

Date

Committee's Minute

Engineer Surveyor to Lloyd's Register of Shipping.

008177-008185-0090

Lloyd's Register Foundation



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Date of wr

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