

REPORT ON WATER TUBE BOILERS.

Received at London Office 26 JUN 1941

Date of writing Report Oct. 3rd, 1940 When handed in at Local Office 191 Port of SAN FRANCISCO

No. in Survey held at Oakland, California Date, First Survey 26th Mar. Last Survey 17th June 1940

Reg. Bk. 31943 on the T. S. S. "MARIA PEPA" ex "PRESIDENT WILSON" Number of Visits 43 Tons { Gross 12,597 Net 6,735

Master - Built at Camden, N.J. By whom built New York S. B. Corp. When built 1921

Engines made at Quincy, Mass. By whom made Bethlehem S. B. Corp., Ltd. When made 1921

Boilers made at Bayonne, N.J. By whom made Babcock and Wilcox Co. When made 1921

Registered Horse Power - Owners Berge Y Compania Port belonging to Bilbao

WATER TUBE BOILERS—MAIN, ~~AUXILIARY OR DONKEY~~—Manufacturers of Steel Midvale Steel & Ordnance Co. Central Iron & Steel Co.

(Letter for Record) Date of Approval of plan Number and Description or Type of Boilers 8-Water Tube Working Pressure 265# Tested by Hydraulic Pressure to 398# Date of Test

No. of Certificate - Can each boiler be worked separately Yes Total Heating Surface of Boilers 41376 sq. ft.

Is forced draught fitted Yes Area of fire grate (coal) in each Boiler - Total grate area of boilers in vessel including Main and Auxiliary - No. and type of burners (oil) in each boiler 7-B. & W. Peabody No. and description of safety valves on each boiler 2-Spring loaded Area of each valve 9.62 sq. in Pressure to which they are adjusted 265 lbs.

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 about 2'-8" Height of Boiler 15'-0" Width and Length 18'-5 3/4" x 10'-0"

Steam Drums:—Number in each boiler One Inside diameter 42" Material of plates Steel Thickness 21/32" Range of Tensile Strength 60000 Lbs. Are drum shell plates welded or flanged no. Description of riveting:—

Cir. seams D.R.Lap. long. seams T.R.D.B.S. Diameter of rivet holes in long. seams 29/32" Pitch of Rivets 2-3/8" x 4-7/8" Lap of plate or width of butt straps 13" x 18" Thickness of straps 5/8" Percentage strength of long. joint:—Plate 81 Rivet 80.8

Diameter of tube holes in drum 4-1/32" Pitch of tube holes 7" Percentage strength of shell in way of tubes 84.8

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 306 lbs. Steam Drum Heads or Ends:—Material Steel Thickness 13/16" Radius or how stayed 42"

Size of Manhole or Handhole 15" x 11" 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 30

Material Steel Thickness 5/8" Tested by Hydraulic Pressure to 398 lbs. Material of Stays -

Area at smallest part - Area supported by each stay - Working Pressure by Rules Tubes:—Diameter 2" - O.D. Thickness #10-B.W.G. Number 1020

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

UPERHEATER. Type Tube Date of Approval of Plan - Tested by Hydraulic Pressure to 398 Lbs. Date of Test - Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler Yes

Diameter of Safety Valve 1" Pressure to which each is adjusted 265 Lbs. Is easing gear fitted no.

Is a drain cock or valve fitted at lowest point of superheater Yes Number, diameter, and thickness of tubes 32- 2" O.D. #10 B.W.G.

Spare Gear. Tubes - Gaskets or joints:—Manhole - Handhole - Handhole plates -

The foregoing is a correct description,

Manufacturer.

Dates of Survey while building { During progress of work in shops - - } During erection on 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.)

Workmanship and Materials are satisfactory. See Report No. 9 for particulars of repairs and renewals performed. In the opinion of the undersigned the Boilers detailed above are eligible to be included in the L. M. C. 6-40.

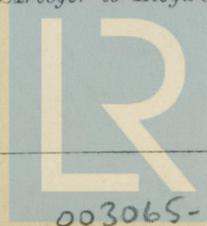
Survey Fee ... Charged on Machinery When applied for, 191

Travelling Expenses (if any) Report 4 A When received, 191

(Signed) S. J. Taylor per D. Millar
Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute NEW YORK NOV 20 1940

Assigned J. W. T. B. - 265 lbs.



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