

REC'D NEW YORK APR 22 1927

REPORT ON WATER TUBE BOILERS.

No. 76687

Received at London Office

9 MAY 1927

Date of writing Report Sept 3rd 1926 When handed in at Local Office Sept 3rd 1926 Port of New York

No. in Survey held at Bayonne N.J. Date, First Survey _____ Last Survey _____ 19

eg. Bk. on the S/S ROBERT HOBSON Number of Visits _____ Tons {Gross _____ Net _____}

Master Built at Lorain, Ohio By whom built The American S. S. Co When built _____

Engines made at Lorain, Ohio By whom made American S. B. Co. When made _____

Boilers made at Bayonne N.J. By whom made The Babcock & Wilcox Co When made 1926

Registered Horse Power _____ Owners Interlake S. S. Co. Port belonging to Fairport

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

Letter for Record _____ Date of Approval of plan July 11th 1926 Number and Description or Type _____

Boilers Three (3) Water Tube Boilers Working Pressure 200 lbs Tested by Hydraulic Pressure to 400 Date of Test 2, 3, 16, 8-26

of Certificate 499, 500, 501. Can each boiler be worked separately. yes Total Heating Surface of Boilers 7965 #

forced draught fitted _____ Area of fire grate (coal) in each Boiler 52.5 # Total grate area of boilers in vessel including _____

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

h boiler _____ Area of each valve _____ Pressure to which they are adjusted _____

they fitted with easing gear _____ In case of donkey boilers state whether steam from main boilers can enter the donkey boiler _____

allest distance between boilers or uptakes and bunkers or woodwork _____ Height of Boiler _____ Width and Length _____

am Drums:—Number in each boiler One Inside diameter 42" Material of plates Steel Thickness 1/2"

ange of Tensile Strength 60000-70000 Are drum shell plates welded or flanged _____ Description of riveting:— _____

seams SRL long. seams DRDBS Diameter of rivet holes in long. seams 29/32" Pitch of Rivets 2 3/32" & 4 9/16"

of plate or width of butt straps 16" & 10 3/4" Thickness of straps 9/16" Percentage strength of long. joint:—Plate 80% Rivet 110%

meter of tube holes in drum 4 1/32" Pitch of tube holes 7" Percentage strength of shell in way of tubes 42%

Drum has a flat side state method of staying _____ Depth and thickness of girders at centre _____

fitted) _____ Distance apart _____ Number and pitch of stays in each _____ Working pressure _____

rules 260 lbs Steam Drum Heads or Ends:—Material Steel Thickness 13/16" Radius 42"

of Manhole or Handhole 11 x 15" Water Drums:—Number in each boiler One Inside Diameter 7 1/4" dia.

erial of plates Steel Thickness 9/16" Range of tensile strength _____ Are drum shell plates welded _____

anged _____ Description of riveting:—Cir. seams _____ long. seams _____ Diameter of Rivet Holes in _____

seams _____ Pitch of rivets _____ Lap of plates or width of butt straps _____ Thickness of straps _____

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

centage strength of drum shell in way of tubes _____ 7/8"

ins or how stayed _____ Size of manhole or handhole 6" x 4 1/2" Headers or Sections:—Number 17

erial Steel Thickness 9/16" Tested by Hydraulic Pressure to 400 Material of Stays _____

at smallest part _____ Area supported by each stay _____ Working Pressure by Rules 580 lbs Tubes:—Diameter 4"

kness 6 x 8 BHG Number 238 Steam Dome or Collector:—Description of Joint to Shell _____

centage strength of Joint _____ Diameter _____ Thickness of shell plates _____ Material _____

ription of longitudinal joint _____ Diameter of Rivet Holes _____ Pitch of Rivets _____ Working Pressure of shell _____

rules _____ Crown or End Plates:—Material _____ Thickness _____ How stayed _____

SUPERHEATER. Type B & W Date of Approval of Plan July 11th 1926 Tested by Hydraulic Pressure to 500 lbs

Date of Test 27/8/26 Is a safety valve fitted to each section of the superheater which can be shut off from the Boiler _____

meter of Safety Valve _____ Pressure to which each is adjusted _____ Is easing gear fitted _____

rain cock or calce fitted at lowest point of superheater _____ Number, diameter, and thickness of tubes _____

to re Gear. Tubes _____ Gaskets or joints:—Manhole _____ Handhole _____ Handhole plates _____

The foregoing is a correct description,
The Babcock & Wilcox Co Manufacturer.
N. Hubbard &

During progress of work in shops - - - 1926- August, 2, 3, 16, 27. Is the approved plan of boiler forwarded herewith _____

During erection on board vessel - - - Total No. of visits _____

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The workmanship & material both of good quality. To complete the survey, the boilers to be re-erected on board, and tested by hydraulic pressure, All mountings to be examined & fitted. Safety valves to be adjusted under steam

The above requirements have been met G. Drummond

Survey Fee ... See Cleveland Rpt 378 When applied for, _____ 19

Travelling Expenses (if any) £ _____ When received, _____ 19

Alexander Mac Watt.

Shipping _____

Committee's Minute NEW YORK APR 27 1927

signed See Cleveland Rpt. 378

B. Pressure 200 lbs D

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