

# REPORT ON WATER TUBE BOILERS.

No. 3398

Received at London Office

of writing Report 19 When handed in at Local Office 19  
in Survey held at LOS ANGELES HARBOR, CAL. Date, First Survey APRIL 1<sup>ST</sup> Last Survey MAY 9 1947  
Bk. on the STEEL SINGLE SCREW STEAMER, "U.S.S.R. VICTORY" (Number of Visits 8) Tons {Gross 7612  
Net 4555  
at LOS ANGELES, CALIFORNIA By whom built CALIFORNIA S.B. CORP. When built 1944  
es made at PITTSBURGH, PA. By whom made WESTINGHOUSE ELECTRIC MFG. CO. When made 1944  
s made at BARBERTON, OHIO By whom made BABCOCK & WILCOX CO. When made 1943  
nal Horse Power 1561 Owners INDIA STEAMSHIP CO. LTD. Port belonging to CALCUTTA.

TER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel WORTH—To REQUIREMENTS OF AMERICAN BUREAU OF SHIPPING.

of Approval of plan BOILERS NOT BUILT UNDER SURVEY. Number and Description or Type

oilers 2-CROSS DRUM SINGLE PASS SECTIONAL HEADERS—W.F. BOILERS. Working Pressure 525 LBS. Tested by Hydraulic Pressure to 788 LBS. Date of Test 29-4-47

of Certificate A.B. & S. Can each boiler be worked separately YES. Total Heating Surface of Boilers 16,440 SQ. FT.

ced draught fitted YES. Area of fire grate (coal) in each Boiler OIL FIRED.

nd type of burners (oil) in each boiler 4-BABCOCK & WILCOX MECHANICAL OIL BURNERS. No. and description of safety valves on

boiler TWO—2 1/2" DIA. "CONSOLIDATED" SPRING LOADED. Area of each set of valves per boiler {per rule 9.8 SQ. IN. Pressure to which they

adjusted 525 LBS. Are they fitted with easing gear YES. In case of donkey boilers state whether steam from main boilers can enter

donkey boiler — Smallest distance between boilers or uptakes and bunkers or woodwork NONE NEAR. Height of boiler 21'-3"

b and Length 12'-6 1/4" - 18'-0" Steam Drums:—Number in each boiler ONE. Inside diameter 42"

ness of plates 13/16" - 1 1/16" Range of Tensile Strength 70000 LBS. SQ. IN. MIN. Are drum shell plates welded

ged FUSION WELDED. If fusion welded, state name of welding firm BABCOCK & WILCOX. Have all the requirements of the rules

lass I vessels been complied with U.S.C.G. & A.B. & S. RULES. 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 — Pitch of tube holes —

utage strength of shell in way of tubes — Steam Drum Heads or Ends:—Range of tensile strength —

ness of plates 1 1/4" Radius or how stayed ELLIPTICAL. Size of manhole or handhole 12" x 16" Water Drums:—Number

h boiler — Inside Diameter — Thickness of plates — Range of tensile strength — Are drum shell plates

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

lass 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 —

utage strength of long. joint:—Plate — Rivet — Diameter of tube holes in drum — Pitch of tube holes —

utage strength of drum shell in way of tubes — Water Drum Heads or Ends:—Range of Tensile strength —

ness of plates — Radius or how stayed — Size of manhole or handhole —

ers or Sections:—Number 32-6 3/4" x 6 3/4" Material STEEL. Thickness 19/32" Tested by Hydraulic Pressure to 788 LBS. SQ. IN.

s:—Diameter 1 1/4" - 2" - 3 1/4" - 4" - 1 1/2" Thickness .095" - .134" - .203" - .220" - .134" Number 1316-64-20-16-55 Steam Dome or Collector:—Description of

o Shell — Inside diameter — Thickness of shell plates — Range of tensile

h — 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 —

LBS 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 —

PERHEATER. Drums or Headers:—Number in each boiler TWO. Inside Diameter 5 3/4" SQ.

ness 1" Material STEEL. Range of tensile strength 55,000 LBS. SQ. IN. MIN. Are drum shell plates welded

ged — If fusion welded, state name of welding firm — Have all the requirements of the rules

lass 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 — Pitch of tube holes — Percentage strength of

bell in way of tubes — Drum Heads or Ends:—Thickness — Range of tensile strength —

or how stayed — Size of manhole or handhole — Number, diameter, and thickness of tubes 228-1 1/4" - .120" MIN.

by Hydraulic Pressure to 788 LBS. Date of Test APRIL 29<sup>TH</sup> 1947 Is a safety valve fitted to each section of the superheater which

shut off from the boiler YES. No. and description of Safety Valves ONE—1 1/2" DIA. "CONSOLIDATED" SPRING LOADED. Area of each set

es 1.76 SQ. IN. EA. B.L.R. Pressure to which they are adjusted 473 LBS. SQ. IN. Is easing gear fitted YES.

e Gear. Has the spare gear required by the rules been supplied YES.

RT.—PORT & STARBOARD BOILERS. Hydrostatic Tests. 788 LBS. 1050 LBS.

A.B. 106 J.T.B. M.B. 3451 #192.

12-9-43 12-6-43

ENDS } During progress of work in shops -- } SURVEYED BY AMERICAN BUREAU OF SHIPPING AND U.S. COAST GUARD.

ey } During erection on board vessel -- }

g }

boiler a duplicate of a previous case YES. If so, state vessel's name and report No. "UNITED STATES VICTORY" - L.A.N. Rpt. 3392.

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) THE TWO WATERTUBE BOILERS WERE CONSTRUCTED

FOR THE SPECIAL SURVEY OF THE AMERICAN BUREAU OF SHIPPING AND U.S. COAST GUARD, AND HAVE NOW BEEN

HYDROSTATICALLY TESTED AND EXAMINED UNDER STEAM. SIZES VERIFIED AS FAR AS PRACTICABLE.

BOILERS & MACHINERY OF THIS VESSEL ARE IN GOOD CONDITION AND ELIGIBLE IN MY OPINION TO BE

CLASSED WITH RECORD OF L.M.C. 5-47.

vey Fee £CHARGED ON When applied for, 19

elling Expenses (if any) MACHY. 1<sup>ST</sup> ENTRY When received, 19

mittee's Minute

ned 2 W.T.B. (OPT) 525 lbs.

NEW YORK JUN 11 1947

Engineer Surveyor to Lloyd's Register of Shipping.

H.S. per bl. = 5722 1/2

L spt = 965

Sum = 1443

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