

# REPORT ON WATER TUBE BOILERS.

No. 8470

Received at London Office.

Report made on 14th May, 1947 When handed in at Local Office 20th May, 1947 Port of Baltimore, Maryland  
 Survey held at Baltimore, Maryland Date, First Survey March 23rd, Last Survey April 15th, 1947  
 Name of the S.S. "VASILIOS E. KULUKUNDIS" (ex "Finley Peter Dunne") (Number of Visits 3) Gross 7176 Tons Net 4380  
 Port of origin Angeles, California By whom built California Shipbuilding Corp. When built 1943  
 Port of destination San Francisco, California By whom made Jushua Hendy Iron Works When made 1943  
 Port of origin California By whom made Western Pipe and Steel Company When made 1943  
 Power 660 Owners Messrs. Rethymnis and Kulukundis Port belonging to Syria

WATER TUBE BOILERS—MAIN, AUXILIARY, OR DONKEY.—Manufacturers of Steel Lukens and Carnegie Steel Company

Number and Description or Type  
 Two B and W - W.T. Cross Drum Working Pressure 240 Tested by Hydraulic Pressure to 375 Date of Test 2-23-43  
 Can each boiler be worked separately Yes Total Heating Surface of Boilers 9704 square feet  
 Area of fire grate (coal) in each Boiler - Plus Spt. H. S. of 529 sq. ft.  
 No. and description of safety valves on  
 4" Consolidated Duplex, Spring Covered Area of each set of valves per boiler { per rule 23.88 sq. in. Pressure to which they  
 as fitted 25.132 sq. in.  
 Are they fitted with easing gear Yes In case of donkey boilers state whether steam from main boilers can enter  
 Smallest distance between boilers or uptakes and bunkers or woodwork - Height of boiler 16-5 5/8"  
 Steam Drums:—Number in each boiler One Inside diameter 47 3/8"  
 Range of Tensile Strength 70,000 lbs. Are drum shell plates welded  
 If fusion welded, state name of welding firm Combustion Engineering Company, N. Y. Have all the requirements of the rules  
 Built under ABS & U.S.C.G. Description of riveting:—Cir. seams - long. seams -  
 Pitch of rivets - Thickness of straps - Percentage strength of  
 Diameter of tube holes in drum 4 1/64" Pitch of tube holes 7"  
 Steam Drum Heads or Ends:—Range of tensile strength 65,000 lbs.  
 Size of manhole or handhole 12 x 16 Water Drums:—Number  
 Range of tensile strength 65,000-70,000 lbs. Are drum shell plates  
 If fusion welded, state name of welding firm - Have all the requirements of the rules  
 Built under A.B.S. AND U.S.C.G. Description of riveting:—Cir. seams - long. seam -  
 Pitch of rivets - Thickness of straps -  
 Diameter of tube holes in drum 4 1/32" Pitch of tube holes 7"  
 Water Drum Heads or Ends:—Range of Tensile strength -  
 Size of manhole or handhole -  
 Number 22 Material Steel Thickness 9/16" Tested by Hydraulic Pressure to 375 lbs.  
 Thickness 10 to 6 B.W.G. Number 602 and 44 Steam Dome or Collector:—Description of  
 Inside diameter - Thickness of shell plates - Range of tensile  
 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 -  
 Thickness of straps - Percentage strength of long. joint - Plate - Rivet -  
 Plates:—Range of tensile strength - Thickness - Radius or how stayed -  
 Number in each boiler Two Inside Diameter 6" square  
 Material Steel Range of tensile strength 60,000 - 70,000 lbs. Are drum shell plates welded  
 If fusion welded, state name of welding firm - Have all the requirements of the rules  
 Built under A.B.S. AND U.S.C.G. Description of riveting:—Cir. seams - long. seams -  
 Pitch of rivets - Thickness of straps - Percentage strength of  
 Diameter of tube holes in drum 2 1/64" Pitch of tube holes 3 3/4" Percentage strength of  
 Drum Heads or Ends:—Thickness - Range of tensile strength -  
 Size of manhole or handhole - Number, diameter, and thickness of tubes 22-2"-10 B.W.G.  
 Tested by Hydraulic Pressure to 375 lbs. Date of Test 2-23-43 Is a safety valve fitted to each section of the superheater which  
 from the boiler Yes No. and description of Safety Valves One high lift - spring covered Area of each set  
 76 square inches. Pressure to which they are adjusted 230 lbs. Is easing gear fitted Yes  
 Has the spare gear required by the rules been supplied Yes

The foregoing is a correct description,

Manufacturer.

Is the approved plan of boiler forwarded herewith  
 Total No. of visits

If so, state vessel's name and report No. "CHARLES M. RUSSELL" Balt. Rpt. No. 8449

REMARKS (State quality of workmanship, opinions as to class, &c.) The W. T. boilers described above have, together  
 with fittings, been opened up, examined throughout and placed in order, and again examined under steam, and the  
 valves adjusted. It is the opinion of the undersigned that the workmanship is good, the boilers well installed,  
 to be classed with the Society, with record of BS 4-47, when feed water regulators have been fitted to  
 port and starboard boilers.

When applied for, 20 May, 1947  
 When received, - 19 -

Minute

WTB (SPT) 240 lbs.

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Engine Surveyor to Lloyd's Register of Shipping.

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