

REPORT ON BOILERS.

No. 6845

28 JAN 1933

Date of writing Report **Dec. 30th 1932** When handed in at Local Office **191** Port of **SAN FRANCISCO,**
 No. in Survey held at **San Francisco, Cal.** Date, First Survey **November 15th** Last Survey **December 12th 1932**
 Reg. Book. **58357** on the **Steel Twin Screw M. S. "BEULAH"** (Number of Visits **12**) Gross **1389**
 Tons Net **1042**
 Master **-** Built at **Fevig** By whom built **Randolph A/S Skibs** When built **1923 - 3**
 Engines made at **Stockholm** By whom made **J. & C. G. Bolinders Co. Ltd.** When made **1923**
 Boiler made at **San Francisco** By whom made **Eureka Boiler Works** When made **1914.**
 Registered Horse Power **-** Owners **Carriso, Inc.** Port belonging to **PANAMA.**

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel **Worth Steel Co.**

Number for record **S.B.** Total Heating Surface of Boilers **837** Is forced draft fitted **No.** No. and Description of
 Boilers **1 Donkey Boiler Multitubular** Working Pressure **150** Tested by hydraulic pressure to **225 Lbs** Date of test **7-12-32**

of Certificate **-** Can each boiler be worked separately **-** Area of fire grate in each boiler **-** No. and Description of

valves to **xxx** boiler **1 - 3" Spring Loaded.** Area of **xxx** valve **7.06 sq. in.** Pressure to which they are adjusted **125** ✓

they fitted with easing gear **Yes.** In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler **No.** ✓

Smallest distance between boilers or uptakes and bunkers or woodwork **--** Mean dia. of boilers **96" 8'0"** Length **9'-6"** ✓

Material of shell plates **Steel** Thickness **11/16"** Range of tensile strength **58000 60000** Are the shell plates welded or flanged **--**

Direction of riveting: cir. seams **---** long. seams **T.R. D.B.S.** Diameter of rivet holes in long. seams **1 3/16"** Pitch of rivets **3 1/2"**

of plates or width of butt straps **12" & 18"** Per centages of strength of longitudinal joint **141%** Working pressure of shell by plate **87%**

178 Size of manhole in shell **11" x 15"** Size of compensating ring **--** No. and Description of Furnaces in each

erl Morrison Material **Steel** Outside diameter **44"** Length of plain part **top -- bottom --** Thickness of plates **crown 1/2" bottom 1/2"** ✓

Description of longitudinal joint **Welded** No. of strengthening rings **-** Working pressure of furnace by the rules **163** Combustion chamber

Material **Steel** Thickness: Sides **1/2"** Back **1/2"** Top **5/8"** Bottom **1/2"** Pitch of stays to ditto: Sides **6"** Back **6"** ✓

7 1/2" If stays are fitted with nuts or riveted heads **Riveted** Working pressure by rules **156** Material of stays **Steel** Area at

least part **1.2 sq. in.** Area supported by each stay **36 sq. in.** Working pressure by rules **221** End plates in steam space: Material **Steel** Thickness **5/8"** ✓

of stays **15** How are stays secured **D. Nuts** Working pressure by rules **196** Material of stays **Steel** Area at smallest part **4.9"** ✓

supported by each stay **225** Working pressure by rules **252** Material of Front plates at bottom **Steel** Thickness **5/8"** Material of

er back plate **Steel** Thickness **5/8"** Greatest pitch of stays **-** Working pressure of plate by rules **-** Diameter of tubes **2-1/2"** ✓

of tubes **3 1/2" x 3 1/2"** Material of tube plates **Steel** Thickness: Front **5/8"** Back **9/16"** Mean pitch of stays **3 1/2"** Pitch across wide

spaces **--** Working pressures by rules **156** Girders to Chamber tops: Material **Steel** Depth and thickness of

at centre **8" x 3/4"** Length as per rule **30"** Distance apart **7 1/2"** Number and pitch of Stays in each **3 - 7 1/2"** ✓

Working pressure by rules **243** Steam dome: description of joint to shell **--** % of strength of joint **--**

Material **--** Thickness of shell plates **--** Material **--** Description of longitudinal joint **--** Diam. of rivet holes **--**

of rivets **--** Working pressure of shell by rules **--** Crown plates **--** Thickness **--** How stayed **--**

ERHEATER. Type **--** Date of Approval of Plan **--** Tested by Hydraulic Pressure to **--**

of Test **--** Is a Safety Valve fitted to each Section of the Superheater which can be shut off from the Boiler **--**

er of Safety Valve **--** Pressure to which each is adjusted **--** Is Easing Gear fitted **--**

The foregoing is a correct description,

Eureka Boiler Works Co Manufacturer.
per Edward T. Brady

Is the approved plan of boiler forwarded herewith **Yes.**

During progress of
 work in shops - -
 During erection on
 board vessel - - -

Nov. 15, 22, 23, 28, 30, Dec. 1, 2, 5, 6, 7, 10 & 12

Total No. of visits **Twelve.**GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) **This Boiler was made by the Eureka Boiler****, of San Francisco, and material and workmanship tested and examined by the U. S. Steamboat****Inspectors. Same has now been examined and found to comply with the Rules and the approved plan;**

workmanship and material are good and this Boiler is in good and safe working condition and
able in my opinion to receive notation of 150 lbs. in the Register Book, subject to being exam-
annually and two 2 1/2" safety valves being fitted on Vessel's return to this Port in about three

months. Survey Fee ... \$ (SEE RPT. When applied for, **Dec. 31st 1932.**Travelling Expenses (if any) £ (9. FOR FEES.) When received, **191**

Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute

NEW YORK JAN 18 1933

Assigned **D.B. made 1914 - fitted 12.32**

am Pressure - 150 lbs

W425-0116

Lloyd's Register
Foundation