

REPORT ON BOILERS.

Date of writing Report SEPT 26TH 1921 When handed in at Local Office 1921 Port of SAN FRANCISCO, CAL.

No. in Survey held at E. SAN PEDRO CAL. Date, First Survey 8TH AUGUST 1921 Last Survey 22ND SEPT 1921

Req. Book. 5/S. "SEMIRAMIS." (Number of Visits 9) Gross 5827.72 Tons }
 Net 3435.71

Master G VAN KREGTEN Built at E. SAN PEDRO By whom built SOUTHWESTERN S.B. CO. When built 1921

Engines made at HAMILTON OHIO By whom made HOVEN OWENS AND FENTSCHELER CO. When made 1921

Boilers made at PORTLAND OREGON By whom made WILLAMETTE IRON AND STEEL WORKS When made 1921

Registered Horse Power ✓ Owners NEDERLANDSCH-INDISCHE TANK STOOMBOOT MAATSCHAPPIJ Port belonging to S. GRAMENHAGE

MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel SEE PORTLAND REPORT.

(Letter for record) Total Heating Surface of Boilers 12 1/2 sq ft Is forced draft fitted NO No. and Description of Boilers ONE S.E. SCOTCH Working Pressure 120 LBS. Tested by hydraulic pressure to 230 LBS. Date of test 15-3-21

No. of Certificate 224 Can each boiler be worked separately ✓ Area of fire grate in each boiler OIL BURNER No. and Description of safety valves to each boiler 2 SPRING LOADED Area of each valve 5.939 Pressure to which they are adjusted 125 LBS.

Are 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 12" Mean dia. of boilers Length

Material of shell plates Thickness Range of tensile strength Are the shell plates welded or flanged

Descrip. of riveting: cir. seams long. seams Diameter of rivet holes in long. seams Pitch of rivets

Lap of plates or width of butt straps Per centages of strength of longitudinal joint rivets Working pressure of shell by rules plate

Size of manhole in shell Size of compensating ring No. and Description of Furnaces in each boiler

Material Outside diameter Length of plain part Thickness of plates crown bottom

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

plates: Material Thickness: Sides Back Top Bottom Pitch of stays to ditto: Sides Back

Top If stays are fitted with nuts or riveted heads Working pressure by rules Material of stays Area at smallest part

Area supported by each stay Working pressure by rules End plates in steam space: Material Thickness

Pitch of stays How are stays secured Working pressure by rules Material of stays Area at smallest part

Area supported by each stay Working pressure by rules Material of Front plates at bottom Thickness Material of Lower back plate

Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes

Pitch of tubes Material of tube plates Thickness: Front Back Mean pitch of stays Pitch across wide water spaces

Working pressures by rules Girders to Chamber tops: Material Depth and thickness of girder at centre

Length as per rule Distance apart Number and pitch of Stays in each

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

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

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

SUPERHEATER. Type ✓ Date of Approval of Plan ✓ Tested by Hydraulic Pressure to ✓

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

Diameter of Safety Valve ✓ Pressure to which each is adjusted ✓ Is Easing Gear fitted ✓

The foregoing is a correct description,
South Beach Shipbuilding & Repairing Co. Manufacturer.

Dates of Survey } During progress of work in shops - - }
 while building } During erection on board vessel - - - } 1921, AUG. 8, 11, 15, 14, 26, SEPT 3, 8, 16, 22

Is the approved plan of boiler forwarded herewith

Total No. of visits 9

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.)

This boiler was constructed under Special Survey of materials, tested to Rule requirements and the workmanship was found good throughout. It has been fitted on board the vessel in an efficient manner, tried under steam and found satisfactory

Survey Fee £ When applied for, 191

Travelling Expenses (if any) £ : When received, 191

Committee's Minute New York NOV 1 1921

Assigned See S. 70. 3627



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