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REC'D NEW YORK JUL 25 1921

Rpt. 5a.

REPORT ON BOILERS

No. 3569

AT. 12 AUG. 1921

Received at London Office

Date of writing Report July 8 1921 When handed in at Local Office 1921 Port of San Francisco, California

No. in Survey held at Oakland, California Date, First Survey May 25 Last Survey July 8 1921

Reg. Book. on the Steel Steamer "ACHATINA" (Number of Visits 6) Gross 5817 Tons Net 3446

Master G. A. Thomas Built at Oakland, Calif. By whom built Union Construction Co When built 7-1921

Engines made at _____ By whom made _____ When made 1921

Boilers made at Seattle, Washington By whom made Commercial Boil Works When made 1921

Registered Horse Power _____ Owners Anglo Saxon Petroleum Co Port belonging to London

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR~~ DONKEY.—Manufacturers of Steel

(Letter for record _____) Total Heating Surface of Boilers 1304 sq. ft. Is forced draft fitted No. No. and Description of Boilers One Scotch Marine S.F. Working Pressure 120 lb. Tested by hydraulic pressure to _____ Date of test _____

No. of Certificate _____ Can each boiler be worked separately Area of fire grate in each boiler Oil Bunker No. and Description of safety valves to each boiler Twin Spig. loaded Area of each valve 9.8 sq. in. Pressure to which they are adjusted 120 lb.

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 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 _____ Working pressure of shell by rules _____

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 _____

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 _____

Boiler fixed on Tideley flat
 Safety valves adjusted July 8, 1921
 Safety valve settings Rt 1/32" Std 3/8"

The foregoing is a correct description,
Union Construction Co by H. L. Peake Manufacturer.

Dates of Survey _____ During progress of work in shops - - - _____ Is the approved plan of boiler forwarded herewith _____

while building _____ During erection on board vessel - - - _____ Total No. of visits 6

May 25, June 15, 24, 30, July 8.

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

Shipping. Survey Fee ... £ _____ : When applied for, _____ 1921

Travelling Expenses (if any) See S.F. Mach. Rept. : When received, _____ 1921

Committee's Minute New York JUL 26 1921

Assigned See S.F. 3569

Donkey Boil. Mach. No 264
LLOYD'S TEST
T.P. 180 lbs
W.P. 120 "
J.F. 15-2-21

H. B. Lawson
 Engineer Surveyor to Lloyd's Register of Shipping.

TUE. 7 JUL 1921

