

REPORT ON BOILERS

PHL 2030

N.Y. No. 9600

SAT. JUN. 21. 1913

PHL 13-6-13

Received at London Office

Date of writing Report 10th July 1913 When handed in at Local Office 10th July 1913 Port of New York

No. in² Survey held at morris heights N.Y.K. Date, First Survey June 5th Last Survey June 26th 1912

Reg. Book. 175 SS. SOCONY For vessel no 134 (Number of Visits 3) Tons { Gross 3663.7 Net 2223.0

Master T. Fenlon Built at Camden By whom built New York S.B. Co. When built 1913-6

Engines made at Camden By whom made New York S.B. Co. when made 1913-6

Boilers made at morris heights N.Y.K. By whom made Jas. Hughes & Power Co. & C. L. Seabury Co. when made 1912

Registered Horse Power 318 Owners Standard Oil Co. Port belonging to New York

MULTITUBULAR BOILERS ~~MAIN, AUXILIARY OR DONKEY.~~ — Manufacturers of Steel Lukens Iron Steel Co. Castings Riverside S. Casting Co.

(Letter for record 5) Total Heating Surface of Boilers 1135 sq ft Is forced draft fitted No. and Description of Boilers one water tube Working Pressure 300 lbs Tested by hydraulic pressure to 400 lbs Date of test 26.6.12

No. of Certificate 15 Can each boiler be worked separately Area of fire grate in each boiler 24.4 sq ft No. and Description of safety valves to each boiler one spring loaded Area of each valve 4.9 sq in Pressure to which they are adjusted # 200 #

Are they fitted with easing gear yes In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler 4 No

Smallest distance between boilers or uptakes and bunkers or woodwork 12 feet Mean dia. of boilers top drum 20 3/8" low drum 10 7/8" Length 7'-2"

Material of shell plates steel Thickness upper 5/8" lower 3/8" Range of tensile strength 26-30 tons Are the shell plates welded or flanged

Descrip. of riveting: cir. seams Single Riv. long. seams Double Riv. Lap Diameter of rivet holes in long. seams 15" Pitch of rivets 3"

Lap of plates or width of butt straps 4 1/2" Per centages of strength of longitudinal joint: rivets 68.15% plate 68.75% Working pressure of shell by rules T. 406 lbs Size of manhole in shell 9" x 14" Size of compensating ring flanged plates 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 Diameter at smallest part Area supported by each stay Working pressure by rules 364 lbs End plates in steam space: Material steel Thickness 9/16"

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

Area supported by each stay Working pressure by rules Material of Front plates at bottom Drums cast steel Thickness 1/2" Material of Lower back plate Thickness Greatest pitch of stays Working pressure of plate by rules Diameter of tubes 1"

Pitch of tubes 1 1/2" x 2 1/4" 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 Superheater or Steam chest; how connected to boiler Can the superheater be shut off and the boiler worked separately Diameter Length Thickness of shell plates Material Description of longitudinal joint Diam. of rivet holes Pitch of rivets Working pressure of shell by rules Diameter of flue Material of flue plates Thickness

If stiffened with rings Distance between rings Working pressure by rules End plates: Thickness How stayed

Working pressure of end plates Area of safety valves to superheater Are they fitted with easing gear

The foregoing is a correct description,
H. J. Woolson for Manufacturer.

Dates of Survey: During progress of work in shops - June 5th 17th 26th 1912. Is the approved plan of boiler forwarded herewith Yes

while building: During erection on board vessel - Mar 28. April 15. May 13-17. 27 June 3 Total No. of visits 3. 9

GENERAL REMARKS (State quality of workmanship, opinions as to class, etc. this water tube boiler has been built under special survey, to approved plans, eligible for record + NDB 1912 upon completion of survey. the workmanship and materials are of good quality

So complete survey: Boiler to be fitted on no 134 vessel belonging to New York S.B. Co. Philadelphia

Safety valves to be adjusted under steam. Easing gear to be fitted. Survey completed

Survey Fee \$25.00 : When applied for, July 19th 1913 Boiler fitted to burn liquid fuel.

Travelling Expenses (if any) £ : : When received, 10.8 1912

Wm Murray H. Haig
 Engineer Surveyor to Lloyd's Register of British and Foreign Shipping.

Committee's Minute TUE. JUN. 24. 1913

Assigned



W1294-0103