

REPORT ON BOILERS.

No. 2896

REC'D NEW YORK

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Date of writing Report July 3 1918 When handed in at Local Office 101 Port of Philadelphia
 No. in Survey held at Phoenixville Pa. Date, First Survey May 24-1918 Last Survey June 28 1918
 Reg. Book. on the four main boilers for Los Angeles S.B. & E.D. Co. Hull No. 6 (Number of Visits None) } Gross
 } Tons } Net
 Master _____ Built at _____ By whom built _____ When built _____
 Engines made at _____ By whom made _____ When made _____
 Boilers made at Phoenixville Pa. By whom made Heine Safety Boiler Co. When made 1918
 Registered Horse Power _____ Owners United States Shipping Board Port belonging to _____

Water tube
MULTITUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Illinois Steel Co.
 (Letter for record S) Total Heating Surface of Boilers 2900 ¹¹⁶⁰⁰ ~~SA~~ Is forced draft fitted _____ No. and Description of
 Boilers Four main water tube (Heine) Working Pressure 200 Tested by hydraulic pressure to 400 Date of test 21-6-18
 No. of Certificate 202 Can each boiler be worked separately _____ Area of fire grate in each boiler _____ No. and Description of
 safety valves to each boiler _____ Area of each valve _____ Pressure to which they are adjusted _____
 Are they fitted with easing gear _____ In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler _____
 Smallest distance between boilers or uptakes and bunkers or woodwork _____ Mean dia. of ^{drums} ~~boilers~~ 4'-0" 17/32 Length 15'-0"
 Material of shell plates S Thickness 17/32 Range of tensile strength 60000 min Are the shell plates welded or flanged No
 Descrip. of riveting: cir. seams single long. seams S.R. & B.S. Diameter of rivet holes in long. seams 17/16 Pitch of rivets 3 7/8 & 7 3/4
 Lap of plates or width of butt straps 16 3/4 ^{0 2 10 3/4} Per centages of strength of longitudinal joint rivets 98.5 Working pressure of shell by
 rules 242 Size of manhole in shell _____ Size of compensating ring flanged plate 85.0
 boiler Material 11 x 15 Outside diameter _____ Length of plain part _____ Thickness of plates _____
 Description of longitudinal joint _____ No. of strengthening rings _____ Working pressure of furnace by the rules _____
 plates: Material _____ Thickness: Sides _____ Back _____ Top _____ Bottom _____ Pitch of stays to ditto: front Sides and Back 5" x 7"
 Top _____ If stays are fitted with nuts or riveted heads riveted Working pressure by rules 250 Material of stays S Diameter at
 smallest part 1 9/16 3/4 Area supported by each stay 35.0 Working pressure by rules 267 End plates in steam space: Material S Thickness 3/4
 Pitch of stays _____ How are ^{ends} ~~stays~~ secured dischd Working pressure by rules 242 Material of stays _____ Diameter 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 3 1/2 ^{0 Dia}
 Pitch of tubes 4 2/3 x 7" Material of tube plates S Thickness: Front 17/32 Back 17/32 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,

Heine Safety Boiler Co. Manufacturer.

Dates of Survey } During progress of 24-5, 29-5, 31-5, 5-6, 7-6, 12-6, 14-6, 21-6, 28-6 1918 Is the approved plan of boiler forwarded herewith retained
 } while building } During erection on }
 } board vessel }
 Total No. of visits _____

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) These boilers have been made under special survey & in accordance with Lloyds rules. The materials & workmanship are good & the boilers have been shipped to Los Angeles to be installed in the vessel. San Francisco surveyors have been advised to complete the survey.

Credit Phila office with 1/3 of total fee
 Survey Fee £ _____ :
 Travelling Expenses (if any) £ \$10.00 :

When applied for, _____ 191
 When received, 14/10/18 191

Jas McDermott
 Engineer Surveyor to Lloyd's Register of Shipping.

Committee's Minute New York SEP 24 1918

Assigned

See L. To. Rpt 2823

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Foundation