

REPORT ON BOILERS.

No. 2656

REC'D NEW YORK
Received at London Office
10 JAN 1914
When handed in at Local Office 2-10-14
Port of Philadelphia

Survey held at Phoenixville, Pa. Date, First Survey 16th May 1914 Last Survey 2nd Oct 1917. 191

on the Water tube boilers for Foxe River & B Co. N^o 265. (Number of Visits 36.) Tons } Gross } Net }

Built at Phoenixville By whom built Heine Boiler Works. When built 1914
Made at Phoenixville By whom made Heine Boiler Works. When made 1914
Horse Power Owners Port belonging to

TUBULAR BOILERS—MAIN, AUXILIARY OR DONKEY.—Manufacturers of Steel Worth Bros. Coatesville.

Total Heating Surface of Boilers 15520 Superheaters 784 sq ft Is forced draft fitted Yes. No. and Description of

4. Heine Water Tube Working Pressure 225 Tested by hydraulic pressure to Date of test

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

Boilers to each boiler 2 direct spring Area of each valve 9.6211 sq ft Pressure to which they are adjusted

fitted with easing gear Yes. In case of donkey boilers, state whether steam from main boilers can enter the donkey boiler

distance between boilers or uptakes and bunkers or woodwork Mean dia. of boilers 4'-6 1/16" Length 14'-4"

of shell plates S Thickness 1/16" Range of tensile strength 55000/42000 Are the shell plates welded or flanged No.

of riveting: cir. seams TRDBS long. seams DRL Diameter of rivet holes in long. seams 1 1/16" Pitch of rivets 4 3/4"

Width of butt straps 8 13/16" 0=11 1/16" Per centages of strength of longitudinal joint rivets 111 Working pressure of shell by

4 4 Size of manhole in shell 11" x 15" Size of compensating ring flanged No. and Description of Furnaces in each

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

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

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

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

part Area supported by each stay Working pressure by rules End plates in steam space: Material S Thickness 3/4"

stays How are stays secured DISHED ENDS Working pressure by rules 225 Material of stays S Area at smallest part 1445

supported by each stay 4 3/8" x 4 1/4" Working pressure by rules 418 Material of front plates at bottom S Thickness 3/4" Material of

back plate Thickness Greatest pitch of stays 4 3/8" x 4 1/4" Working pressure of plate by rules 408 Diameter of tubes 3 1/2" OD

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

spaces Working pressures by rules Girders to Chamber tops: Material Depth and thickness of

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

Steam dome: description of joint to shell % of strength of joint

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

Working pressure of shell by rules Crown plates Thickness How stayed

HEATER. Type Heine Date of Approval of Plan 31-5-16 Tested by Hydraulic Pressure to 450.

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

of Safety Valve 1 1/2" DIA Pressure to which each is adjusted Is Easing Gear fitted

The foregoing is a correct description,
HEINE SAFETY BOILER CO., PHOENIXVILLE, PA.
M. E. J. Heilmann Manufacturer.

During progress of work in shops - - -
During erection on board vessel - - -
Total No. of visits

GENERAL REMARKS (State quality of workmanship, opinions as to class, &c.) The boilers have been constructed special survey, in accordance with the approved plan. The materials workmanship are good.

Survey Fee ... £ : : When applied for, 191
Selling Expenses (if any) £ \$24.00 : : When received, 191

Committee's Minute New York DEC 18 1917

See Bas. Rpt. 964.

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Water tube boiler for the steam engine of the
Philadelphia

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