

4769

Description Cylindrical Multitubular
 Tested by hydraulic pressure to 160 lbs Date of test 2.12.81. Certificate No 640
 Heating apparatus or steam chest Vertical steam dome. Contracted at back
 Can the superheater be shut off and the boiler worked separately No Superheater
 Area of grate surface in each boiler 35 sq ft. Description of safety valves Spring made by Blair & Co (Linn)
 Area of each valve 9.62 Are they fitted with easing gear Yes
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 Boilers and bunkers or woodwork 9"
 Length of boilers 9.10" description of riveting of shell long. seams all welded except seams in
 Diameter of rivet holes 1 1/8 whether punched or drilled drilled pitch of rivets 4 3/16
 Percentage of strength of longitudinal joint 12.5 working pressure of shell by rules 9 1/2 lbs
 Size of compensating rings 15 1/2 x 11 1/2 Rectangular plate 28 x 24 x 1 1/8
 Outside diameter 3.0 length, top 6.1 bottom 8.8
 Description of joints Double butt straps if rings are fitted No greatest length between rings
 Thickness, sides 1/2 back 1/2 top 1/2
 Sides 8 x 8 back 8 x 8 top Curved top
 Riveted heads Part with outside part riveted working pressure of plating by rules 100 lbs
 Working pressure of ditto by rules 126 lbs
 Pitch of stays to ditto 15 x 14 3/4 how stays are secured Washers
 Diameter of stays at smallest part 23/8 working pressure by rules 120 lbs
 Back plates, thickness 13/16 greatest pitch of stays 11 3/8 x 8 working pressure by rules 8 1/2
 Stays 1 3/16

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Diameter of tubes $3\frac{1}{2}$ pitch of tubes $4\frac{3}{4} \times 4\frac{3}{4}$ thickness of tube plates, front $\frac{13}{16}$ back $\frac{13}{16}$
How stayed *Screwed tubes* pitch of stays $14\frac{1}{2} \times 16\frac{1}{2}$ width of water spaces $1\frac{1}{4}$ between tubes
Diameter of Superheater or Steam chest $5\frac{1}{4}$ length $5\frac{1}{2}$
Thickness of plates $\frac{1}{2}$ description of longitudinal joint *Lap, double riveted* diameter of rivet holes $\frac{13}{16}$ pitch of rivets $3\frac{1}{8}$
Working pressure of shell by rules 126 lbs Diameter of flue thickness of plates
If stiffened with rings distance between rings Working pressure by rules
End plates of superheater, or steam chest; thickness $\frac{1}{2}$ How stayed *Four stays $2\frac{1}{4}$ dia*
Superheater or steam chest; how connected to boiler *By malleable iron pipe $1\frac{1}{2}$ dia & $\frac{1}{8}$ thick double riveted to donkey boiler*

DONKEY BOILER—

Description *Vertical water tubes in furnace*
Made at *Stockton* By whom made *Wiley Bros* when made *1881. Tested 6.12.81.*
Where fixed *In the hold* working pressure *Certified 40* Tested by hydraulic pressure to *140* No. of Certificate *643*
Fire grate area *20 sq ft* Description of safety valves *Direct. lever* No. of safety valves *One of each description* Area of each *5.14*
If fitted with easing gear *No* If steam from main boilers can enter the donkey boiler *No*
Diameter of donkey boiler $6\frac{1}{2}$ length $12\frac{1}{2}$ description of riveting *Single seams lap double joint*
thickness of shell plates $\frac{15}{32}$ diameter of rivet holes $\frac{13}{16}$ whether punched or drilled *Punched*
pitch of rivets $2\frac{3}{4}$ lap of plating $4\frac{1}{4}$ per centage of strength of joint 70
thickness of crown plates $\frac{1}{2}$ stayed by *Four stays $1\frac{1}{2}$ dia*
Diameter of furnace, top $5\frac{1}{2}$ bottom $5\frac{1}{2}$ length of furnace $4\frac{1}{2}$
thickness of plates $\frac{9}{16}$ description of joint *Lap. Single riveted*
thickness of furnace crown plates $\frac{1}{2}$ stayed by *Four stays $1\frac{1}{2}$ dia*
Working pressure of shell by rules 40 lbs working pressure of furnace by rules 42 lbs
diameter of uptake 14 thickness of plates $\frac{1}{16}$ thickness of water tubes $\frac{3}{8}$

The foregoing is a correct description,

Robert Blair & Co
R Blair

Manufacturers of Engines & Marine Boilers only

General Remarks (State quality of workmanship, opinions as to class, &c.)

Material & workmanship good.

The Machinery & Boilers of this vessel are in good order & safe working condition & in my opinion eligible for the Notification of Lloyd's M.C. in the Register Book

Has put matter that has been raised in relation to the notification & is recorded
27/12/81

The amount of Entry Fee ... £ 2: : : received by me,

Special ... £ 21: : :

Certificate (if required) ... £ : : : 220 1891

To be sent as per margin.

(Travelling Expenses, if any, £ 1: : :)

Committee's Minute

Tuesday, December, 27th. 1881.

Engineer Surveyor to Lloyd's Register

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