

Dia. of Tunnel shaft as per rule 12.44 Dia. of Crank shaft journals as per rule 13.45 Dia. of Crank pin 14.5 Size of Crank webs 23 x 10 Dia. of thrust shaft under as fitted 12.44 as fitted 14.5

Form No. 93.

Lloyd's Register of British
 and Foreign Shipping,
 Newcastle

6th Aug 1891

The Surveyors,

Middleton

Gentlemen,

Herewith we forward particulars
 of donkey boiler for Messrs Furner
 Welling & Co L.S. No 249
 as requested in your letter of the 3rd inst

We are,

Yours faithfully,

John H Heck

MARK ON BOILER.

No. 5824

LLOYD'S TEST,

180 lbs.
H.H. 18-7-00

Robert Stephenson & Co 448 Boiler

DONKEY BOILER.

No. and Description One Cyl^r Single End
 Made at Newcastle By whom made R^d Stephenson & Co
 When made 18-7-00 Where fixed
 Working pressure 90 tested by hydraulic pressure to 180
 No. of Certificate 5824 Fire grate area 35.7 Description of safety
 valves No. of safety valves Area of each
 Pressure to which they are adjusted If fitted with easing gear
 If steam from main boilers can enter the donkey boiler Dia. of donkey
 boiler 11.0 Length 10.0 Material of shell plates S Range of tensile
 strength 28 Thickness 5 Description of riveting long seams d Sharp
 Dia. of rivet holes 7/8 Whether punched or drilled d
 Pitch of rivets 3 5/8 Lap of plating 8 3/4 5 Per centage of strength of
 joint Rivets 8.0 end 7/8 Thickness of shell plates 7/8
 Plates 75.8
 Pitch of stays to do 19 x 15 Dia. of stays 2 Dia. of
 furnace 39 Length of furnace 6-5
 Thickness of furnace plates 17/32 Description of joint d S
 Thickness of furnace crown plates 1/2 Stayed by 1 5/8 S 9 x 9
 Working pressure of shell by rules 99 Working pressure of furnace by
 rules 100 Dia. of water tubes 3 3/4 Thickness of water tubes F 3/4 B 1 1/2
 Thickness of water tubes
 Is the approved plan of Donkey Boiler forwarded herewith? Yes

The foregoing is a correct description,

John H Heck

Lloyd's Register
 Foundation

HPL 390-0004

Material of stays S Diameter at smallest part 1 3/8 Area supported by each stay 62 Working pressure by rules 193.5 End plates in steam space: