

W. C. LEONARD.
 BACK FOR BOILERS AND THE LIKE.
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972,879.

Patented Oct. 18, 1910.

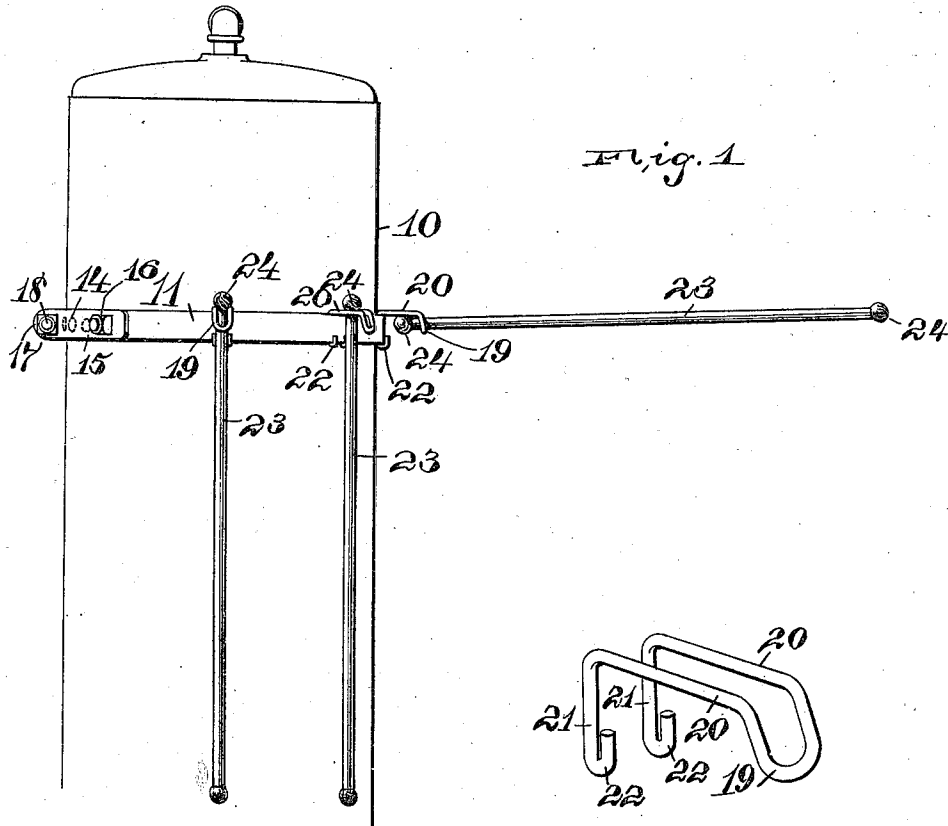


Fig. 1

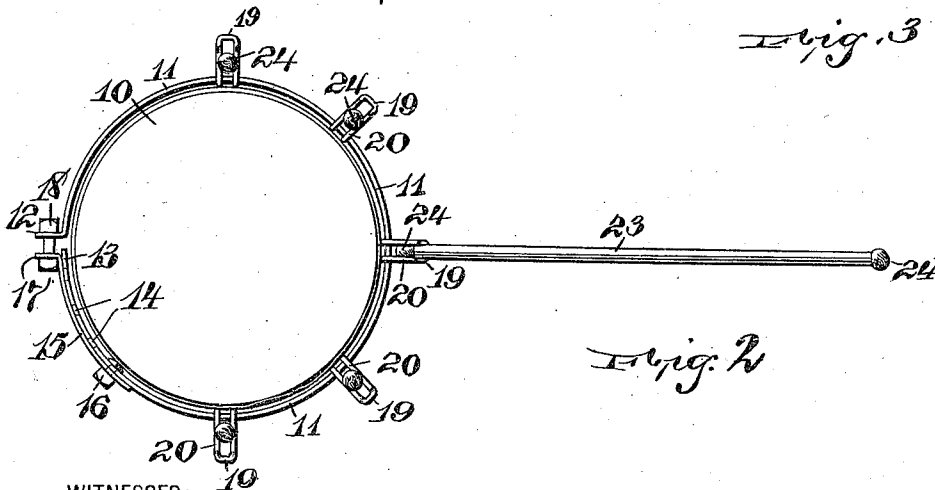


Fig. 2

WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM C. LEONARD, OF NEWARK, NEW JERSEY.

RACK FOR BOILERS AND THE LIKE.

972,879.

Specification of Letters Patent.

Patented Oct. 18, 1910.

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To all whom it may concern:

Be it known that I, WILLIAM C. LEONARD, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Racks for Boilers and the Like; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to figures of reference marked thereon, which form a part of this specification.

This invention relates to a rack for suspending articles and is designed to be clasped around a circular support such as a hot water boiler used in conjunction with ranges, and is adjustable so that it will fit around different sized supports.

The invention is further designed to provide a band that is adapted to clasp supports which, by their peculiar construction, are designed to be securely held by the band and which are in turn adapted to hold rods that can be suspended vertically adjacent to the boiler in the supports, or which can be drawn out and held horizontally, ready for suspending articles thereon, such as towels, the device being particularly adapted for drying purposes.

The invention further consists in the particular kind of support in which the rods are adapted to be secured and which can be easily removed from or inserted in their places, being held by the band against the support or boiler, and thus being adapted to be placed in any required number and at any particular point around the circumference of the boiler, this being desirable because boilers, as arranged in houses, have a different amount of space exposed from which rods are adapted to be projected or suspended.

The invention is illustrated in the accompanying drawing, in which—

Figure 1 is an elevation of part of a range boiler showing the towel rack with a number of rods suspended therefrom and with one of the rods projected. Fig. 2 is a plan view of the structure shown in Fig. 1. Fig. 3 is a perspective view of one of the supports.

It will be understood that the device can be used on any cylindrical support, but is

particularly adapted for boilers, and in the specification a boiler will be described, although it will be understood that the invention is not limited to its application to boilers.

The device can be adapted to a boiler 10 which is illustrated as being of the usual type of kitchen or range boiler, and the band 11 has a projecting lip 12 on one end, which lip, as will be hereinafter described, forms an element for attaching this end of the band. I prefer to provide the end 13 of the band with a series of holes 14. I also provide the extension 15 with a perforation. A bolt 16 is placed through the perforation in the extension strip 15 and can be placed through any one of the perforations 14 so that the device can be adapted to boilers of different sizes. The extension has a lip 17 thereon, the lips 12 and 17 being connected by a bolt 18. It will be evident that other means of fastening the two ends of the band together can be used. The band is adapted to clasp, between itself and the boiler 10, a series of supports, each support being made of a single strip of wire which is bent into a downwardly projecting loop 19, the wire then being formed into parallel, approximately horizontal strands 20, these strands then being formed into downwardly extending portions 21 terminating in the ends 22 which are turned over and extend upward part way parallel with the portions 21 to form hooks. The band 11 passes through the hooks, having its bottom edge bearing substantially on the hooks, and its top edge being engaged by the inner end of the horizontal strands 20. It will be evident from this construction that the number of supports can be varied, or they can be slid around and disposed along the band as best suited according to the location of the boiler in the room, that is, if only one side of the boiler is available the supports can all be slid around or shifted to that side. The supports are adapted to receive rods 23, each rod having enlarged ends or heads 24, one of the heads engaging the top of the horizontal strands 20 when the rod is suspended, and the other head engaging the under side of the horizontal strands 20 and maintaining the rod 23 in a substantially horizontal position, when said rod rests in the downwardly projecting loop 19.

The device is cheap, is easily attached and

detached, and is adapted for use in a great many different situations, being particularly adapted for quick and easily made changes in the location of the supports for the rods.

5 Having thus described my invention, what I claim is:—

1. A towel rack comprising a band adapted to be placed around a support, means for connecting the ends of the band, a series of
10 rod supports, each rod support comprising a wire formed in two downwardly projecting portions adapted to be clasped between the band and the element which it surrounds, the downwardly projecting portions termi-
15 nating in hooks which embrace the lower edge of the band, the downwardly projecting portions extending from their top ends into substantially horizontal strands substantially parallel, the horizontal strands being
20 connected by a downwardly projecting loop, and rods, each rod being adapted to be placed in a support and having heads on its ends whereby the rod can be suspended or projected from its support.

25 2. A towel rack comprising a band adapted to be placed around a support, adjusting means on the band for varying its length, and for connecting the ends together, a series of rod supports, each rod support com-
30 prising a wire formed in two downwardly projecting portions adapted to be clasped between the band and the element which it surrounds, the downwardly projecting portions terminating in hooks which embrace
35 the lower edge of the band, the downwardly projecting portions extending from their top ends into substantially horizontal strands substantially parallel, the horizontal strands being connected by a downwardly
40 projecting loop, and rods, each rod being adapted to be placed in a support and hav-

ing heads on its ends whereby the rod can be suspended or projected from its support.

3. A towel rack comprising a band having
45 a lip on one end, an extension strip on the other end of the band, the extension strip having a lip on its end, a bolt passing through the extension strip and the band, the extension strip and the band being per-
50 forated, the perforations being so disposed that they can be placed in register to vary the length of the band, means for clasping the lip on the band and the lip on the extension strip to cause the band to embrace
55 an element, a series of rod supports, each support comprising a wire bent into downwardly projecting portions terminating at their lower ends in hooks, the downwardly projecting portions being adapted to be embraced between the band and the element on
60 which it is supported, the hooks catching on the lower edge of the band, the downwardly projecting portions having their top ends engaging the top edge of the band and bent into substantially parallel horizontal
65 strands, the horizontal strands being connected by a downwardly projecting loop, and a series of rods, each rod being adapted to be placed in a support, each rod having a head on each end, one head being adapted
70 to rest on the horizontal strands when the rod is suspended, the other head being adapted to bear underneath the horizontal strands when the rod is placed in the downwardly projecting loop to project the rod. 75

In testimony, that I claim the foregoing, I have hereunto set my hand this 26th day of May 1910.

WILLIAM C. LEONARD.

Witnesses:

WM. H. CAMFIELD,
E. A. PELL.