

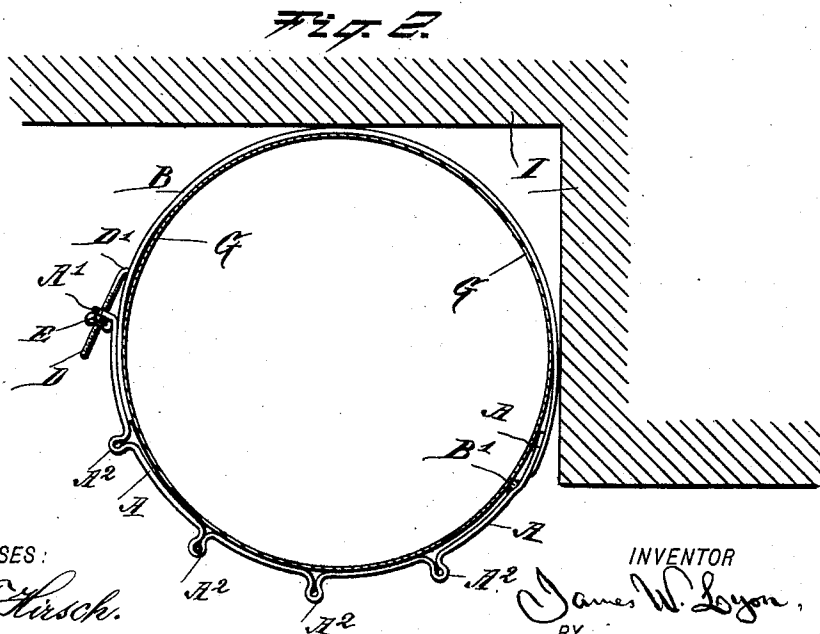
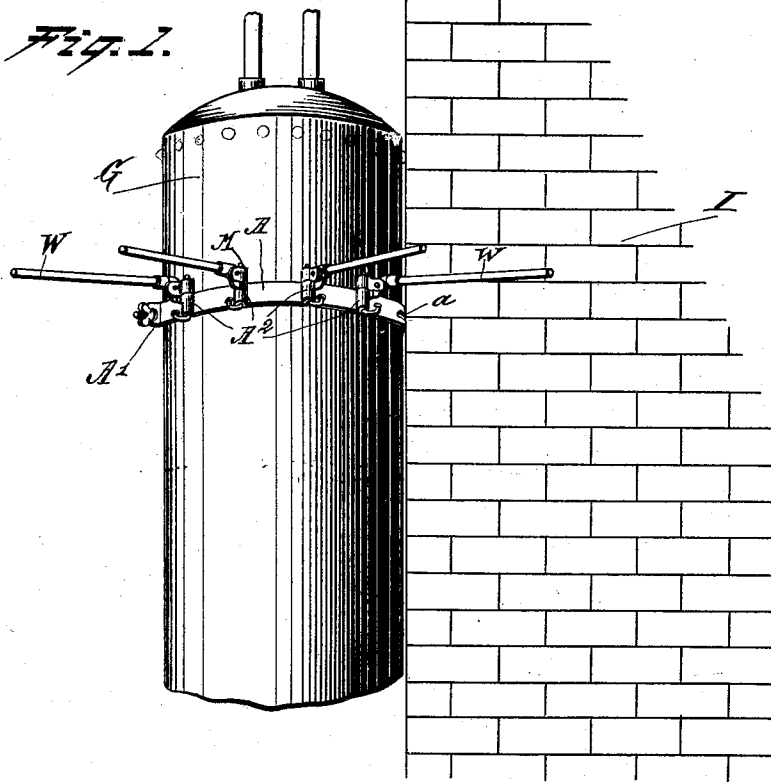
(No Model.)

2 Sheets—Sheet 1.

J. W. LYON.
TOWEL RACK.

No. 605,565.

Patented June 14, 1898.



WITNESSES:

Henry P. Hirsch.
M. F. Boyle.

INVENTOR

James W. Lyon.
BY
James Drew Stearns
ATTORNEY

UNITED STATES PATENT OFFICE.

JAMES W. LYON, OF BROOKLYN, NEW YORK.

TOWEL-RACK.

SPECIFICATION forming part of Letters Patent No. 605,565, dated June 14, 1898.

Application filed June 8, 1897. Serial No. 639,840. (No model.)

To all whom it may concern:

Be it known that I, JAMES W. LYON, a citizen of the United States, residing in Brooklyn, Kings county, in the State of New York, have invented a certain new and useful Improvement in Towel-Racks, of which the following is a specification.

The subject of my invention is an improved towel-rack of simple and durable construction, capable of ready and convenient application in position, and of considerable efficiency and service when in use.

The accompanying drawings form a part of this specification and represent what I consider the best means of carrying out the invention.

Figure 1 is a perspective view of a kitchen-boiler with my improved towel-rack applied. Fig. 2 is a horizontal section on a larger scale. Fig. 3 is a perspective view showing one of the eyes in the strap and the vertical pin and hook-base. Fig. 4 shows the same with the clip applied and a portion of an arm. The dotted lines show the arm turned up into the elevated position. Fig. 4^a is a perspective view of a portion in the simplest form. The remaining figures show some of the parts detached. Fig. 5 is an edge view showing certain parts as adjusted when out of use. Fig. 6 is a face view of a part. Fig. 7 is a face view of another part, and Fig. 8 shows the tightening hook and nut.

Referring to the drawings and the letters of reference thereon, G is an ordinary range-boiler, and I the wall of the apartment.

I provide a thin metal strap bent by pliers or other means at properly-spaced intervals to form a plurality of eyes A², which when the strap is extended around the boiler are presented to receive pins to carry the supporting-bars for towels. The strap is in two sections A and B, with adjustable locking means, which make the length easily adapted for a wide range of sizes of boilers. One section A is sharply bent near one end, forming an angular part or ear A', which is perforated to receive a screw-threaded hook to effect the final tightening, as will be presently described. A considerable length of the opposite end of the section A is flat and is provided with a series of oblong holes a, with the longer dimensions extending lengthwise of the strap. The

section B is flat throughout and is formed at one end with a T-shaped head B', adapted to pass easily through one of the openings a in the section A when it is properly presented thereto. After the T-head has been entered in one of the holes a the section B is partially turned to effect the locking and is swung around to form a practically continuous length with the section A. Thus engaged one end of each section lies under the body of the other section and is concealed and protected between the body of the strap and the boiler. A considerable length of the section B is punched with holes b.

D D' is a stout wire hook having its shank D screw-threaded, adapted to extend through the aperture in the ear A' and receive a nut E, which may be a thumb-nut, as shown. The hook D' being engaged in a proper hole b, the strap may be tightened, so as to be firmly held. The holes b may be of the same size as the holes a and similarly arranged. Their function is simply to receive the wire hook, which may be shifted from one into another, instead of adjusting the junctions of the sections, or in addition thereto, so as to give the proper length to the united strap. The hooked end D' is wedge-formed, so as to lie nicely between the strap B and the boiler.

In applying the invention to use the flat strap B is passed in either direction through the narrow space or spaces between the boiler and the wall. Boilers are frequently set so close to the wall that there is not sufficient space to pass an ear through. After the two sections of the strap are properly engaged the junction, which is also flat, and even if irregularly bent will only present a little more than twice the thickness of the thin strap, may be slipped around in either direction until the proper adjustment is attained. The hook-bolt D D' may be inserted through the ear A' and be loosely engaged by applying the nut E before the operation of attaching is commenced. Then the hook portion of the bolt being engaged in one of the holes b the nut is tightened.

M M are sufficiently stout pins set upright in the eyes A² and extending upward therefrom and adapted to serve as pivots for the junctions of the towel-supporting arms. Each pin carries a clip P, between the leaves of which

is received the flattened end of a bar W, which is allowed to turn up and down on a loosely-fitting horizontal rivet or pivot Q, as shown in Fig. 4.

5 The flattened end of each bar is made by embracing it in a metallic thimble Y, having a considerably extended end Y', which is flattened and extended downward between the leaves of the clip and provided with a heel
10 Y². When the arm is turned into the upright position, the heel is idle; but when the arm is turned down into the horizontal position the heel braces against the eye A² and strongly supports the arm and its load.

15 In what I esteem the preferable form the lower end of each pin M is bent outward and slightly upward and formed with a slight rounded head, all as indicated by M'. The bent pin being clamped with efficient force
20 within the eye to maintain its position this hook may serve to support any domestic article as required.

Each arm W can swing horizontally by the turning of the clip P on the upright pin M,
25 and it can be raised into a perpendicular position by turning on the pivot Q.

Modifications may be made without departing from the principle or sacrificing the advantages of the invention. The sections A
30 and B may differ in length, A being the longer; but having them of uniform length facilitates packing for storage or shipment.

In applying the straps the flat portion of the section A instead of the flat strap B may
35 be inserted through the thin space between the boiler and the wall, if preferred. There may be boilers so small that the strap A will serve alone, in which case the hook D' will be engaged in one of the holes a.

40 Parts of the invention may be used without the whole. The heel Y² may be varied and a plainer construction of the end adopted, as shown in Fig. 4^a. In this form the angle Y³

supports the arm in the horizontal position by pressing fairly on the adjacent portion of 45 the clip.

I claim as my invention—

1. In a towel-rack, a flexible strap A and adjustable connecting means, said strap being bent to present the vertical eyes A², upright pins bearing in the strap-eyes, a clip 50 embracing each of the pins, and towel-supporting arms W, carried by said clips, substantially as herein specified.

2. In a towel-rack, the combination with 55 the flexible strap A, presenting the vertical eyes A², of strap-connecting means, and upright pins M bearing in the strap-eyes, a clip embracing each of the pins M, and towel-supporting arms W, each pivoted to swing vertically in a clip, each arm having a heel or stop 60 Y² to limit its downward movement, substantially as herein specified.

3. In a towel-rack, the flexible strap A, carrying the upright pins M, strap-connecting 65 means, a clip P, for each pin and including a flat projection, in combination with a bar W having the thimble Y with flattened portion Y' pivoted on said projection to swing vertically, substantially as herein specified. 70

4. In a towel-rack, the flexible strap A carrying the upright pins M, strap-connecting means, a clip P, for each pin and including a flat projection, in combination with a bar 75 W, having the thimble Y with flattened portion pivoted on such projection, and having an integral heel or contacting part for limiting its downward movement, substantially as herein specified.

In testimony that I claim the invention 80 above set forth I affix my signature in presence of two witnesses.

JAMES W. LYON.

Witnesses:

WILLIAM PAXTON,
M. F. BOYLE.