No. 606,967. Patented July 5, 1898.

J. A. HANGER.

STOVEPIPE ATTACHMENT.

(Application filed July 21, 1897.)

(No Model.)

FIG. 1.

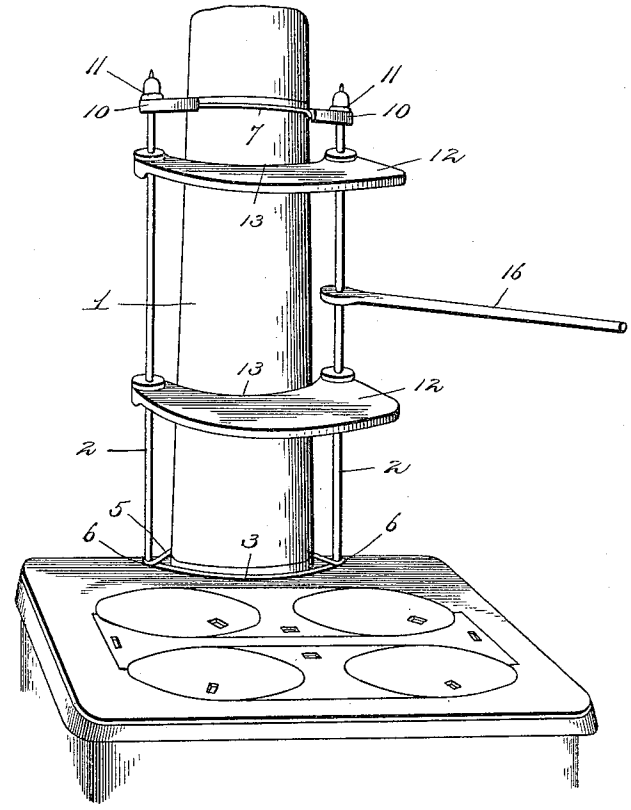


FIG. 2.

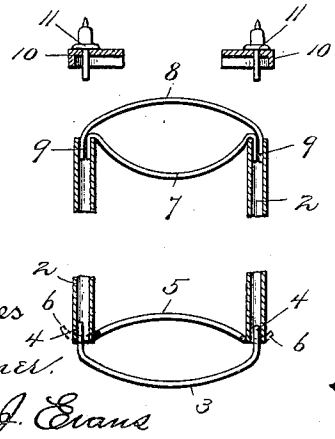
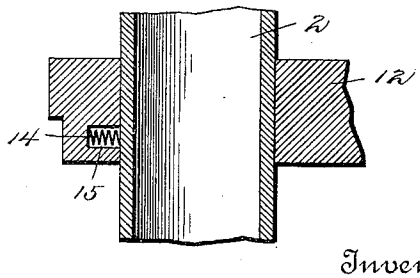


FIG. 3.



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UNITED STATES PATENT OFFICE.

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STOVEPIPE ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 606,967, dated July 5, 1898.

Application filed July 21, 1897. Serial No. 645,377. (No model.)

To all whom it may concern:

Be it known that I, JACOB A. HANGER, of Staunton, in the county of Augusta and State of Virginia, have invented certain new and useful Improvements in Stovepipe Attachments; 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.

My invention relates to stovepipe attachments.

My object is to provide a simple and cheap attachment for stovepipes adapted to be used adjacent the stove for the purpose of supporting articles which have to be warmed and for holding utensils, so that the same will be within easy reach of the person using the stove.

I accomplish the foregoing objects by the provision of an attachment for stovepipes which is provided with certain improved devices and comprising certain novel features and combinations of parts, appearing more fully hereinafter.

In the accompanying drawings, Figure 1 is a perspective view showing my invention applied to a stovepipe and adjacent the stove; Fig. 2, a perspective detail view showing the construction and arrangement of the securing-wires, the covering-caps and supporting-pipes being in section. Fig. 3 is a detail view of the gripping part of one of the shelves, disclosing a certain spring.

The numeral 1 designates a stovepipe arising from an ordinary stove. There are two supporting-rods 2. At the base of the stovepipe is located a fastening-wire 3, which is curved to conform to the pipe and has its ends 4 bent upwardly or at right angles to its length and received in the supporting-pipes. A second retaining-wire 5, curved to conform to the stovepipe, lies at the opposite side thereof from the wire 3 and has its ends formed into hooks 6, which embrace the supporting-pipes. Said supporting-pipes have their lower ends resting on the stove. There are retaining-wires 7 and 8 at the top of the supporting-pipes, said retaining-wires being disposed on opposite sides of the stovepipe and conforming thereto. Both of said wires have their ends 9 bent downwardly at right angles to their length and fitted in the upper open ends of the supporting-pipes.

In order to give an ornamental appearance to the upper portion of the device and to hold the ends of the upper retaining-wires in the supporting-pipes, I employ covering-caps 10, which are curved to conform to the stovepipe and have depending flanges. The upper ends of the supporting-pipes are received between the flanges of said covering-caps and the flanges of said caps cover the upper retaining-wires. Said caps have depending pins 11 fitted into them or which may be formed integral therewith, if desirable. These pins project down in the supporting-pipes and wedge the ends 9 of the wires 7 and 8, retaining all the parts in position.

The shelves are shown at 12, the same being of any size and preferred construction. Said shelves are at 13 curved, so as to lie closely adjacent to the stovepipe. It will be observed that the weight of the free portion of the shelf causes it to firmly grip or pinch the supporting-pipes, and this action is made stronger when additional weight is placed on the shelf. It will be seen, therefore, that no fastening devices are necessary to secure the shelf to the supporting-pipes. The shelf can be moved upwardly or downwardly by simply lifting the free end thereof, whereupon the pinching or biting action will cease. It will be apparent that if the free end of the shelf was struck upwardly quickly by the hand when the shelf settled by gravity there would be a tendency for it to vibrate somewhat and move slightly downward before it properly gripped the supporting-pipes to insure its being retained. To obviate this difficulty, I employ in each bearing portion a coil-spring 14, seated in the pocket 15, made in the part and pressing against the supporting-pipe. This spring supplements the force of gravity, and vibration, as aforesaid, is rendered impossible. Of course this spring will be disposed at the back of the supporting-pipes—that is, directly opposite the free portion of the shelf. Of course as many shelves could be employed as found desirable, although in the present instance I have shown only two. It is desirable to employ a towel-rack 16, which, it will be observed, may be

swung around in a horizontal plane to the desired position. This rack automatically locks itself to the supporting-pipe in the same manner as do the shelves, and it also is provided with a supplemental spring 14.

Among the many advantages of my invention are that the shelves can be held at any height with relation to the stove, and they are adapted to automatically lock themselves in adjusted position. The parts can be quickly and easily separated or assembled, and the device is light, strong, and cheap.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a shelf attachment for stovepipes, the combination of supporting-guides consisting of hollow rods, retaining-wires for embracing the stovepipe coupled with the supporting-guides by means of hooks projecting into the tubular rods, and adjustable shelves carried by the supporting-rods adapted to automatically engage said rods in whatever position they may be adjusted, substantially as described.

2. In a shelf attachment for stovepipes, the combination of a shelf, upright supporting-guides for said shelf, retaining-wires arranged in sets at the top and bottom of said guides embracing the stovepipe on opposite sides thereof and having their hooked ends engaging the open ends of the pipe, substantially as described.

3. In a shelf attachment for stovepipes, the combination of tubular, upright, supporting-guides, retaining-wires at the bottom of said guides which embrace the stovepipe each having a hooked end engaging one of the supporting-tubes and the other end engaging a second supporting-tube, a second set of wires at the top of the supports which embrace the stovepipe and have their ends fitted into the upper ends of the supports, covering-caps for the upper ends of the supports and wires, and shelves adjustably mounted on said supports, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JACOB A. HANGER.

Witnesses:
R. G. BYERS,
JOS. B. WOODWARD.