(No Model.)

A. J. SPICER.

STOVE PIPE AND COLLAR HOLDER.

No. 389,984. Patented Sept. 25, 1888.

Fig: 1.

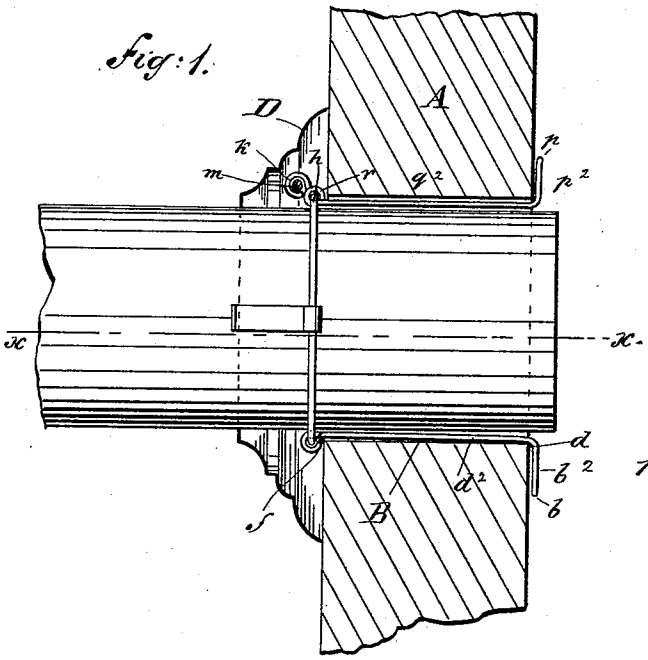


Fig: 3.

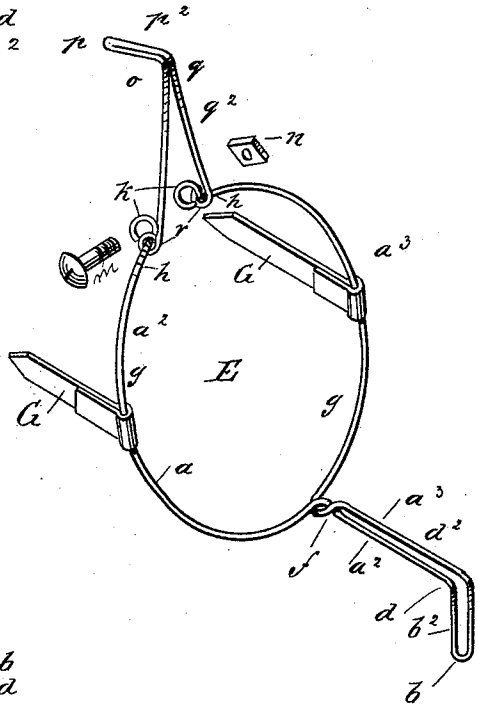
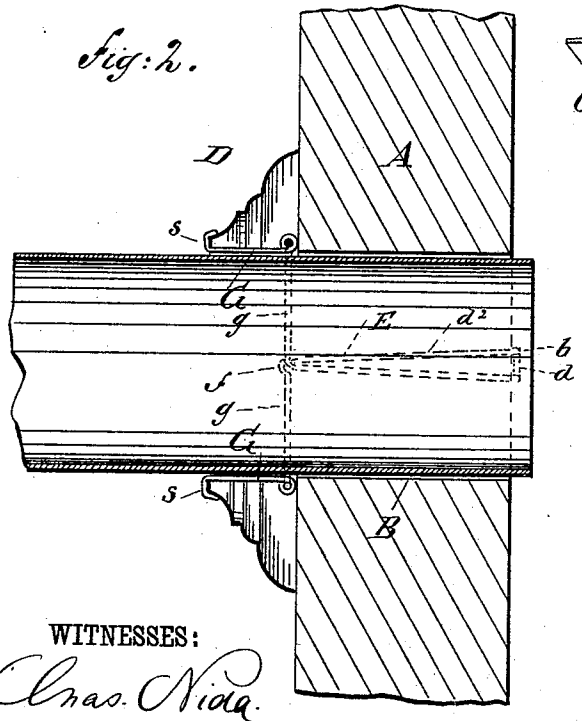


Fig: 2.



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UNITED STATES PATENT OFFICE.

ANDREW J. SPICER, OF PORTLAND, OREGON.

STOVE-PIPE AND COLLAR HOLDER.

SPECIFICATION forming part of Letters Patent No. 389,984, dated September 25, 1888.

Application filed September 24, 1887. Renewed July 30, 1888. Serial No. 281,442. (No model.)

To all whom it may concern:

Be it known that I, ANDREW J. SPICER, of Portland, in the county of Multnomah and State of Oregon, have invented a new and Improved Stove-Pipe and Collar Holder, of which the following is a full, clear, and exact description.

The object of the present invention is to provide a holder for stove-pipes at the flue, which in its formation is most effective, easily applied, durable, and cheap, and also means to hold the flange or collar on the stove-pipe closely about the pipe-hole and against the chimney; and the invention consists of parts that are formed and arranged in relation to each other and to the chimney-flue and its surrounding collar, all substantially as will hereinafter appear, and be specifically set forth in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a vertical section of a portion of a chimney at its flue, having applied thereto a section of stove-pipe and collar, each shown as held in place by the use of the present invention. Fig. 2 is a horizontal section of same on line x x, Fig. 1; and Fig. 3 is a view in perspective of the parts forming the pipe and collar holder.

In the drawings, A represents the wall of a chimney, having a flue, B, through which the stove-pipe C is inserted, about which is placed the usual flange or collar, D.

E represents the pipe-holder, which is formed by a suitable length of wire, a, bent at its intermediate portion, as at b, and its end portions, a^2 a^3, returned extending from said point b in a short length, b^2, and bent or turned, as at d, in a line at right angles to said length b^2, from which point it extends in a length, d^2, about equal to or a little greater than the thickness of the chimney at its flue, where the parts a^2 a^3 are coiled or twisted, the one about the other, as at f, and thence extending in a plane at right angles to the length d^2 from opposite sides of the point f in bow-shaped or semicircular lines g until the ends h of the returned wires a^2 a^3 are brought into proximity and terminated in eyes k k, formed by the wire being bent around, all as is shown in Fig. 3, whereby a band or strap is produced with extended arm and leg d^2 b^2, to lie along and through the flue and behind the wall of the chimney, adapted to embrace and bind on the stove-pipe when the headed pin or bolt m is passed through the eyes k k, and the ends of the strap drawn together by screwing on the nut n.

In addition to the extended angular arms d^2 b^2, formed integrally with the band, as described, there may also be provided another extended angular arm, q^2, and lug p^2, which is formed of a length of wire, o, bent at its middle portion, as at p, its end portions returned therefrom in the length p^2, and then bent at right angles, as at q, thence extending in length q^2, corresponding with the thickness of the chimney, and terminating in the eyes r, formed at their ends encircling the strap a, and this angular extension is to lie through the chimney-flue and behind the chimney-wall in a manner similar to the extensions d^2 b^2, and preferably diametrically opposite thereto, thereby assuring greater security of the stove-pipe when in place.

G G are strips of metal, wire, &c., engaged with the wire strap a, extending forward in line alongside the stove-pipe beyond the front face or edge of the encircling flange or collar D, where their ends are turned over, as at s, Fig. 2, upon said collar, maintaining it closely against the chimney, preventing any forward slide on the pipe.

It will be seen that a strap formed of one strip or length of wire twisted about as at f, with the lug formed of its intermediate portion and with rings or eyes for the bolt formed by its end portions, is a most simple, cheap, durable, and effective device for engaging with the stove-pipe and retaining it in place.

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

1. The herein-described stove-pipe holder, comprising the encircling arms g g, provided at their ends with the eyes k k, and the arm d^2, standing in a plane at right angles to said encircling arms, and the lug b^2, parallel therewith, all integrally formed of a single piece of wire bent and twisted upon itself, and the

screw-bolt m and nut n, substantially as shown and described.

2. The herein-described stove-pipe holder, comprising the encircling arms $g\ g$, provided at their ends with the eyes $k\ k$, and the arm d^2, standing in a plane at right angles to said encircling arms, and the lug b^2, parallel therewith, all integrally formed of a single piece of wire bent and twisted upon itself, and the screw m and nut n, in combination with the supplementary arms $q^2\ q^2$, having the eyes $r\ r$, embracing the end portions of said encircling arms, and having the lug p, said supplementary arms, eyes, and lugs being integrally formed of a single piece of wire bent upon itself, all substantially as described and shown, for the purpose described.

3. The combination, with a stove-pipe holder comprising the encircling arms $g\ g$, provided at their ends with the eyes $k\ k$, and the arm d^2, standing in a plane at right angles to said encircling arms, and the lug b^2, parallel therewith, all integrally formed of a single piece of wire bent and twisted upon itself, substantially as described and shown, of the screw-bolt m and nut n, and the arm G, engaging with said bands, all substantially as and for the purpose described.

ANDREW J. SPICER.

Witnesses:
F. R. STRONG,
THOS. N. STRONG.