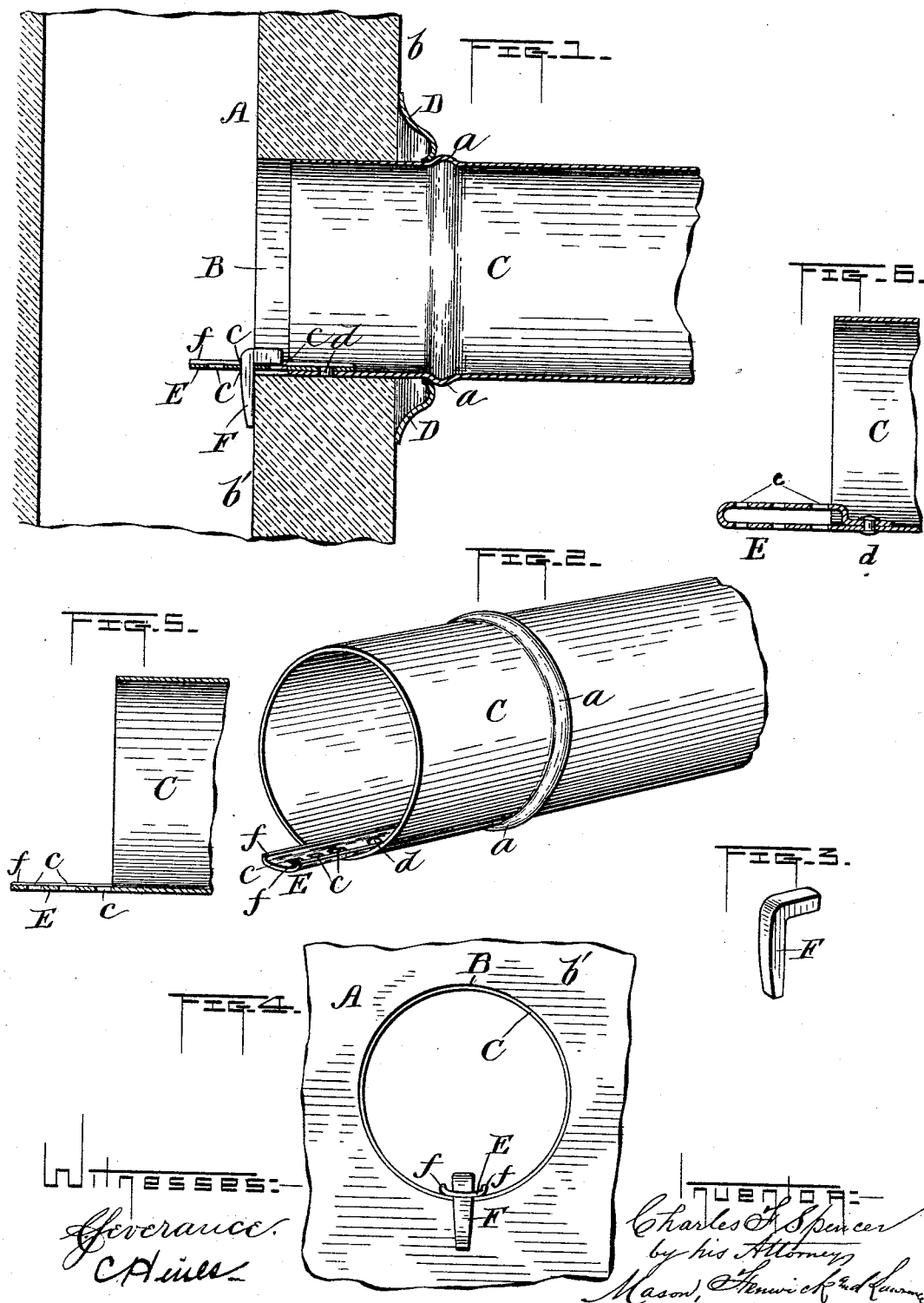


(No Model.)

C. F. SPENCER.
STOVEPIPE HOLDING DEVICE.

No. 479,313.

Patented July 19, 1892.



UNITED STATES PATENT OFFICE.

CHARLES F. SPENCER, OF ROCHESTER, NEW YORK, ASSIGNOR TO WILLIAM HORCHELER, OF SAME PLACE.

STOVEPIPE-HOLDING DEVICE.

SPECIFICATION forming part of Letters Patent No. 479,313, dated July 19, 1892.

Application filed February 29, 1892. Serial No. 423,203. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. SPENCER, a citizen of the United States, residing at Rochester, in the county of Monroe and State of New York, have invented certain new and useful Improvements in Stovepipe-Holding Devices; 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 means employed for holding the terminating section of a stovepipe in the hole of the wall of the building or in communication with the draft-flue extending up or out into the chimney-flue; and its object is to lessen the cost and improve the efficiency and convenience of such holding devices.

My invention consists in a stovepipe terminating section provided with an extension portion having one or a series of perforations adapted for the reception of a fastening pin or nail, the said perforated extension projecting into the draft-flue beyond the rear surface of the inner wall of said flue and applied on or constructed homogeneously with the said pipe-section and serving, in connection with a raised bead on the section a little forward of the exposed surface of the wall of the chimney-flue, a finishing-collar, and the fastening pin or nail, for permanently holding the terminating pipe-section in its hole, so that it cannot enter too far into the chimney draft-flue, and thereby clog the draft, nor become disconnected from the chimney-wall by moving toward the exposed surface of the chimney-flue wall.

In the accompanying drawings, Figure 1 is a vertical section of a portion of a chimney-flue wall and a longitudinal section of the stovepipe terminating section with my improved fastening or holding means shown in connection therewith. Fig. 2 is a perspective view of a broken section of the terminating pipe-section, constructed in accordance with my invention. Fig. 3 is a perspective view of the fastening pin or nail. Fig. 4 is an end view of the pipe-section and its fastening pin or nail as applied in the hole leading to the chimney-flue and as seen looking toward the

forward end of the said terminating pipe-section. Fig. 5 illustrates the perforated extension portion constructed homogeneously with the terminating pipe-section. Fig. 6 is a similar view to Fig. 5, showing another form of the perforated extension portion.

A in the accompanying drawings represents a portion of the wall of a chimney-flue; B, the hole therein leading to the flue.

C is the terminating stovepipe-section, formed, as usual, with a raised corrugation or bead *a*, which bead is far enough from the terminating end of the said pipe-section to always occupy a raised position within the room and opposite the exposed surface *b* of the flue-wall A.

D is the finishing abutment-collar, placed around the pipe-section C and abutting with its outermost bearing portion against the wall and with its innermost bearing portion against the bead or corrugation *a*, as shown in the drawings. This collar prevents the pipe-section moving too far into the chimney-flue.

E is a narrow curved strip of metal provided with a series of holes *c*, of rectangular form. This strip is of a length sufficient to allow of one of its ends being lapped upon the inside of the stovepipe-section and fastened permanently in place on said section by one or more rivets *d* and to project some distance into the chimney-flue, as illustrated in the drawings. In cross-section the extension portion may be of gutter form by having its edges turned up slightly to form a flange on each edge, as indicated at *f*.

F is an angular tapered fastening-pin or a T-headed nail, this pin being passed down through one or the other of the holes *c* through the extension portion E by inserting the arm on the inside of the room through the pipe. The horizontal portion or head of the fastening pin or nail rests upon the upper surface of the perforated extension portion E, while its vertical portion bears against the unexposed surface *b'* of the flue-wall A, as represented, and is kept from changing from this position by means of the concave bearing-surface of the extension portion E and also by the square sides of the perforation or by the flanged edges of the perforated extension portion.

By this holding device the pipe-section is held from moving toward the collar D, and thus by the combined agency of the collar, perforated extension E, and fastening pin or nail F the pipe is permanently held in any position that the workman may have fitted and fastened it. By having a series of perforations, as c, in the extension portion E the pipe-section C can be adjusted and fastened to flue-walls of different thicknesses and still be held permanently in its position. In Figs. 5 and 6 the extension portion E is shown as constituting a homogeneous portion of the pipe-section C, and in one of these illustrations, Fig. 6, the perforated extension portion is made hollow, one portion of the metal of which it is formed being folded over and its inner terminating end bent down to form an angle and then riveted upon the inner surface of the pipe-section C. This double construction affords an upper and lower bearing for the nail F, and thus makes it more firm in its hold; but I prefer to construct the extension portion separate and rivet it in place, as it is the cheapest, and less waste of metal will be experienced by riveting a narrow piece to the pipe-section than by cutting away a large por-

tion of the metal of the pipe-section and leaving the narrow perforated portion on the pipe.

My invention meets a very great want, and its simplicity and efficiency are manifest from an inspection of the drawings.

What I claim as my invention is—

1. The terminating section of a stovepipe provided with a narrow perforated extension projecting beyond its forward end and adapted for receiving into one or the other of its perforations an angular or headed pin or nail, said pin or nail bearing against the unexposed surface of the flue-wall of the chimney or other structure, substantially as described.

2. The combination of the terminating end section of a stovepipe, the perforated extension projecting into the chimney-flue, the fastening pin or nail, and the collar abutting against the bead or corrugation of the pipe-section and against the flue-wall, substantially as described.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

CHARLES F. SPENCER.

Witnesses:

WILLIAM SAGE,
AB. TROMPETER.