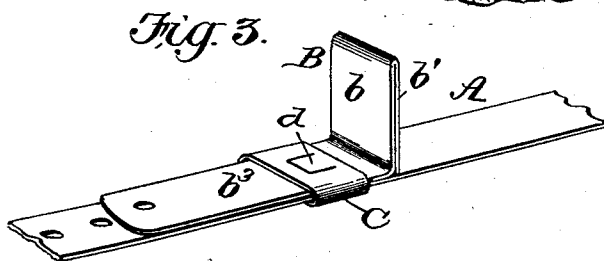
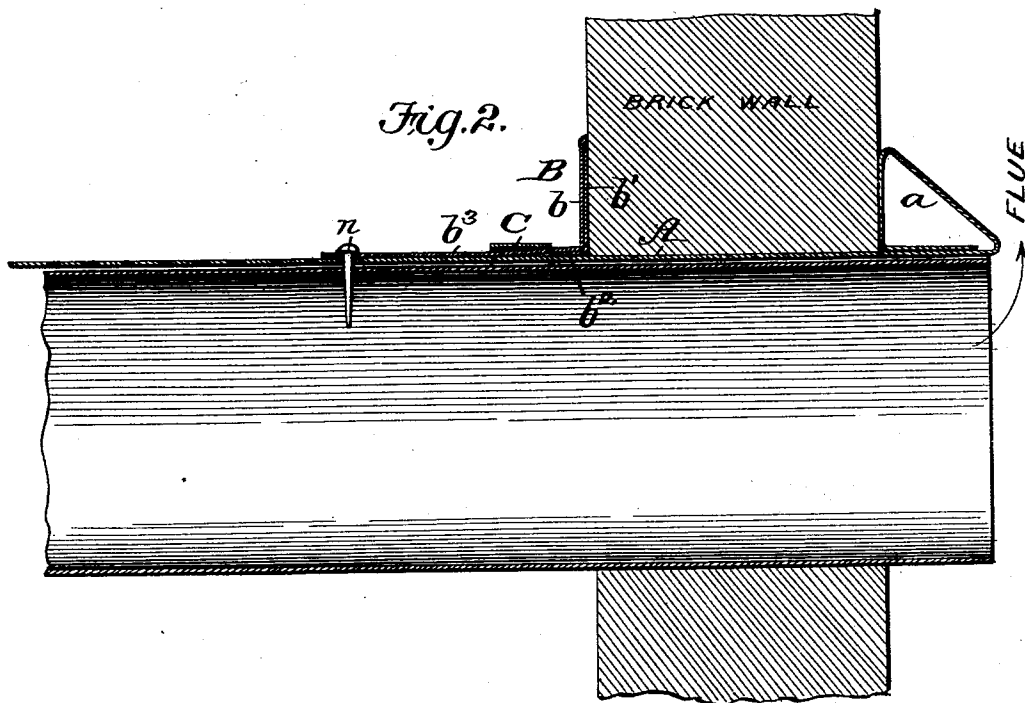
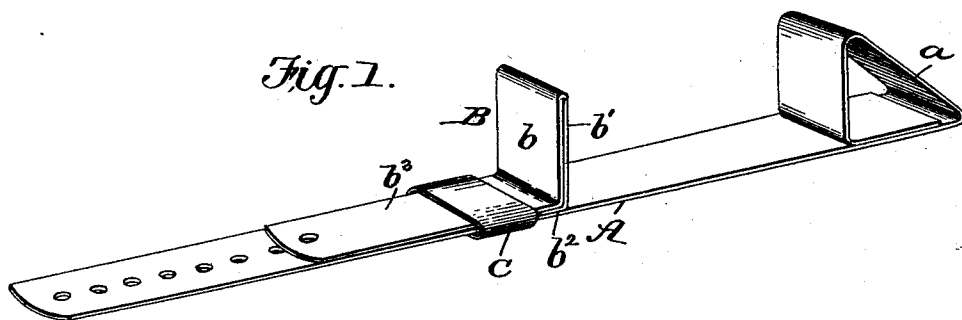


(No Model.)

F. J. NORTON.
STOVEPIPE HOLDER.

No. 569,123.

Patented Oct. 6, 1896.



WITNESSES:

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FRANK J. NORTON, OF ITHACA, NEW YORK.

STOVEPIPE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 569,123, dated October 6, 1896.

Application filed May 16, 1896. Serial No. 591,777. (No model.)

To all whom it may concern:

Be it known that I, FRANK J. NORTON, of Ithaca, in the county of Tompkins and State of New York, have invented a new and useful Improvement in Stovepipe-Holders, of which the following is a specification.

My invention relates to that class of devices known as "stovepipe-holders," whose purpose is to hold a stovepipe safely connected to the chimney, into whose flue it is entered, so that it cannot become accidentally detached and involve the danger of setting the house on fire or filling the living apartment with poisonous gases or smoke. Attempts have been made heretofore to provide such devices so as to obviate the unsightly uses of wires on the outside of the pipe, and the general principle employed is to provide a flat metal strip detachably fastened to the outside of the stovepipe in longitudinal position thereon, and having a stop projection on its extreme end that engages the inner face of the chimney-flue, while another adjustable stop projection engages the outer face of the chimney-flue. My invention is an improvement upon this form of holder, and is designed to cheapen the article, to facilitate its application, and generally to increase its efficiency and practicability for the purpose; and to these ends it consists in the peculiar construction and arrangement of the parts which I will now proceed to describe, with reference to the drawings, in which—

Figure 1 is a perspective view of the holder detached. Fig. 2 is a longitudinal section showing the same applied to a stovepipe and the walls of the chimney-flue, and Fig. 3 is a detail of a modification.

In the drawings, A represents the body or shank of the holder, which is composed of ordinary strap-iron, one end of which is provided with a series of perforations and whose other end is bent around to form a triangular stop projection *a*. The shank portion may be of any suitable length, from twelve inches to two feet, and about three-fourths to one and one-half inches wide. On the shank portion there is arranged an adjustable stop B, composed of the same material, which is of a right-angular form and has a single perforation, and is made by taking a piece of the strap-iron about six or eight inches long

and bending it upwardly at right angles at *b*, then downwardly again at *b'*, so as to lie flat against the part *b*, and then turning the end *b*² underneath the main portion *b*³ for the distance of a quarter to a half an inch. Around the shank part *b*³ of the adjustable stop, and also the shank A of the holder, there is loosely arranged, so as to slide thereon, a keeper C, made by bending a loop out of the strap-iron material. When the adjustable stop B is applied to the top of the shank of the holder, there is at one end only the thickness of the shank A of the holder and the shank *b*³ of the adjustable stop, but at the other end of the adjustable stop the underturned end *b*² forms three thicknesses of the strap-iron to be embraced by the keeper C, and the result is that the two shanks form a slightly-tapered wedge for the keeper to slide on, which causes the keeper, when forced onto the shank of the stop, to pinch and hold it to its position. This is a feature of importance, as will be seen hereinafter.

In applying the holder the part A is first inserted in the stovepipe-hole of the chimney-flue and the right-angular edge of stop *a* is brought against the inner face of the chimney-flue. Then the adjustable stop B is brought to bear against the outer face of the chimney-flue, and is there fixed by sliding the keeper C up onto its shank, where it cramps and binds it with a wedging action that holds it fast. The distance between the two stops *a* and B will vary with the thickness of the brick wall of the flue, and the series of holes in A provides an adjustment for this. The position of the adjustable stop on the holder being now fixed by the keeper, the device in this condition is taken down and applied to a length of stovepipe, and a hole is drilled or punched in the stovepipe just where the hole in the adjustable stop comes. The holder is now reinserted in the chimney-hole, the stovepipe inserted beside it until the hole punched in the same coincides with the holes in the adjustable stop and body portion of the holder, and then a rivet or loose wire nail *n* is placed through these coinciding holes, which locks the stovepipe to the holder and the holder and stovepipe to the chimney.

The object in making the stop *a* on the end of the holder in triangular form is to make

its stop-face set back a little distance from the extreme end, so that the stovepipe will protrude a little distance beyond the inner wall of the flue, so that in case the stovepipe-hole is large or not true the products of combustion will be carried a little distance past the crack.

As a modification of my invention instead of doubling the end b^2 of the adjustable stop B under to give an incline or wedge shape to its shank said doubled end may be omitted, and the temporary pinching of the adjustable stop B to the main shank A, when making the adjustment to the thickness of the wall, may be effected in other ways. For instance, the keeper may have a spring-tongue d bent downwardly upon the shank of the adjustable stop B, as shown in Fig. 3. In both cases it will be seen that the adjustable stop is fixed and held to its adjustment by one movement of the keeper and without separate adjusting devices.

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

1. A stovepipe-holder comprising a shank or body portion having a stop projection on its end and locking perforations in its body,

an adjustable stop sliding thereon and having a perforated shank portion lying upon the shank of the holder, a sliding keeper embracing both the shanks of the body portion and the sliding stop with a pinching frictional contact, said parts being constructed as described to cramp and bind and remain in the position to which they are placed, and hold the sliding stop to its position while punching the hole in the stovepipe substantially as shown and described.

2. A stovepipe-holder comprising a shank or body portion having a stop projection on its end, an adjustable stop sliding thereon and consisting of a shank portion, a projecting stop portion and a doubled-under portion lying beneath one end of the shank portion, so as to cause the shank of the adjustable stop to lie at a slight angle to the shank of the main body, and a sliding keeper embracing both the shanks of the body portion and adjustable stop, and adapted to cramp and bind and fix the adjustment of the two to each other as described.

FRANK J. NORTON.

Witnesses:

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