

(No Model.)

J. JONES.  
STOVEPIPE FASTENER.

No. 602,332.

Patented Apr. 12, 1898.

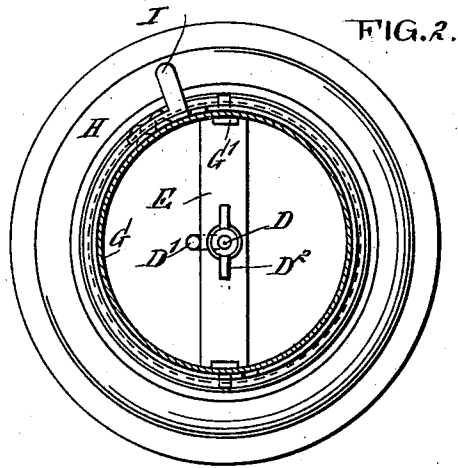
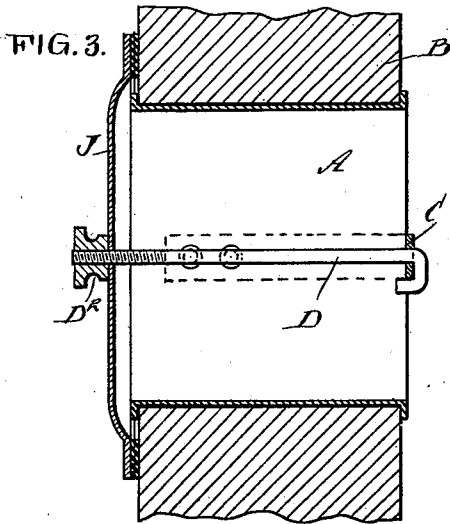
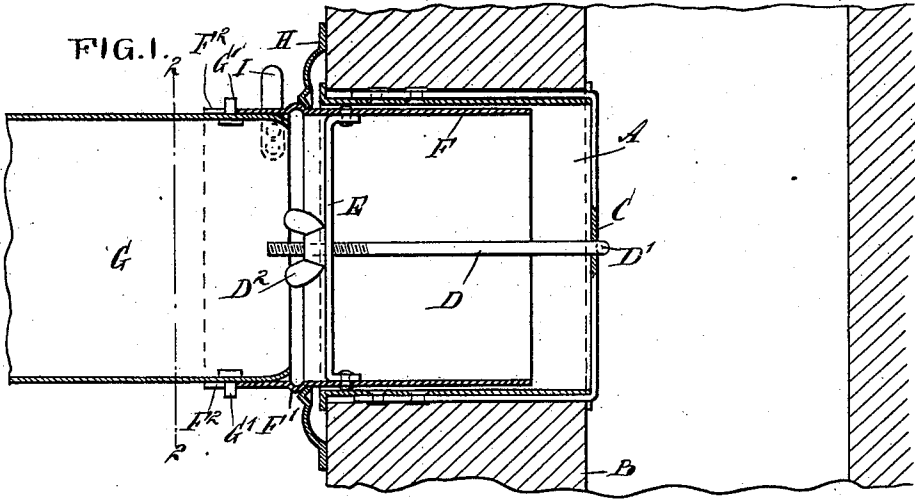
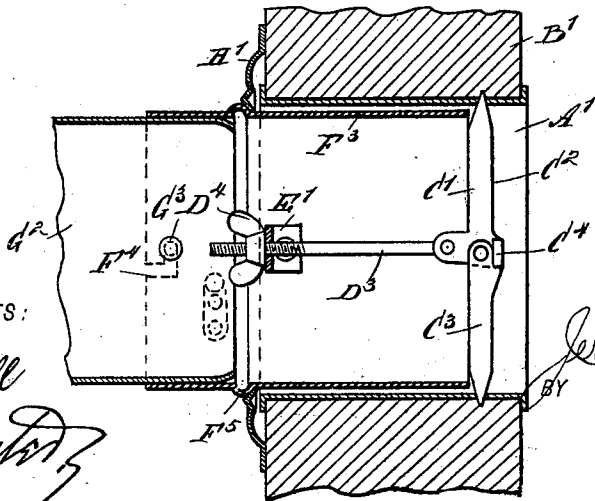


FIG. 4.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JEROME JONES, OF KANSAS CITY, MISSOURI.

## STOVEPIPE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 602,332, dated April 12, 1898.

Application filed August 17, 1897. Serial No. 648,541. (No model.)

*To all whom it may concern:*

Be it known that I, JEROME JONES, of Kansas City, in the county of Jackson and State of Missouri, have invented a new and Improved Stovepipe-Fastener, of which the following is a full, clear, and exact description.

The object of the invention is to provide a new and improved stovepipe-fastener arranged to securely and removably hold a stovepipe in a thimble and without danger of soot blowing through the joints into the room.

This invention consists in certain combinations, which will be fully described hereinafter and defined in the claims.

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

Figure 1 is a sectional side elevation of the improvement. Fig. 2 is a transverse section of the same on the line 2 2 of Fig. 1. Fig. 3 is a sectional side elevation of the improvement, showing the thimble closed by a cover and the stovepipe and short section removed; and Fig. 4 is a sectional side elevation of a modified form of the improvement.

In the device illustrated in Figs. 1, 2, and 3 a thimble A is held in the wall of a chimney B and opens into the chimney-flue thereof, as shown in Figs. 1 and 3. The thimble A is provided with a support C for the hook D' of a screw-rod D, extending within the thimble, to engage a cross-piece E, secured to the inside of a short pipe-section F, loosely fitting within the said thimble A and projecting a suitable distance beyond the outer end of the said thimble, so as to receive the end of the stovepipe G, as is plainly indicated in Fig. 1. The nut D<sup>2</sup> of the screw-rod D screws up against the cross-piece E to securely fasten the short section F in position in the thimble A. The inward movement of the short section F is limited by a bead F', formed near the outer end of the said section and abutting against the inner edge of a ring-shaped cover H, resting against the outer face of the chimney B, thus forming a tight joint between the cover and the short section, and at the same time forming a stop for the latter, as above mentioned.

In the inner end of the stovepipe G are se-

cured pins G', adapted to engage bayonet-slots F<sup>2</sup>, formed in the outer end of the short section F, so as to securely fasten the stovepipe G and said short section F together, it being understood that after the end of the stovepipe G has passed into the projecting outer end of the section F the latter is turned to enter the pins G' into the lateral portion of the bayonet-slots F<sup>2</sup>. For conveniently turning the short pipe-section F for the purpose mentioned I provide the said section with a handle I, riveted or otherwise secured to the outer end of the said section, as is plainly indicated in Figs. 1 and 2.

The support C for the screw-rod D is preferably made in the form of a U-shaped metallic bar, the middle portion of which extends across the inner end of the thimble A and the side members of which extend over the outside of the said thimble to be riveted thereto near the extreme ends of the said members, as indicated in Fig. 1, so that should the thimble be partly or wholly destroyed at its inner end the support will still hold and carry the screw-rod D and fasten the short section F in place.

When the stove is taken down and the stovepipe G is removed from the short section F, then the latter is also removed, together with the cover H, by unscrewing the nut D<sup>2</sup> from the rod D and pulling the short section out of the thimble A. A cover J, having a central hole for the passage of the outer end of the screw-rod D, can now be put over the outer end of the thimble A to rest with its edge against a packing placed on the outer face of the chimney B, as is plainly shown in Fig. 3, so as to close the thimble A. The nut D<sup>2</sup> of the screw-rod D screws against the outer face of the cover to securely hold the same in place.

The support for the screw-rod may be made in the form shown in Fig. 4, in which a support C' is formed with two arms C<sup>2</sup> C<sup>3</sup>, pivotally connected with each other and pointed at their outer ends to engage apertures in the wall of the thimble A. The arm C<sup>3</sup> is adapted to swing inwardly on the arm C<sup>2</sup>, but is prevented from opening outwardly by a stop-lug C<sup>4</sup> on the arm C<sup>2</sup>. The arm C<sup>2</sup> carries a screw-rod D<sup>3</sup>, engaging the cross-piece E' of a thimble F', having bayonet-slots F<sup>4</sup> at its outer

end for receiving the pins  $G^3$  of the stovepipe  $G^2$ . The support  $C'$  can be readily placed in position in the said thimble at the time the nut  $D^4$  of the screw-rod  $D^3$  is unscrewed, and the arms  $C^2$   $C^3$  are moved into an angular position relatively to each other to permit of inserting the points of the said arms in the apertures of the thimble  $A'$ . When this has been done, the nut  $D^4$  is screwed up, so as to draw the arms  $C^2$   $C^3$  into the position shown in Fig. 4 to form a proper support for the screw-rod  $D^3$  and at the same time form a stop for the inner end of the short pipe-section  $F^3$ . The latter has a bead  $F^5$  fitting against the ring-shaped cover  $H'$ , the same as above described in reference to the bead  $F$  and cover  $H$  in Fig. 1.

Now it will be seen that the device is very simple and durable in construction and can be readily applied and manipulated to attach the stovepipe to or detach it from the short pipe-section and remove the said section from the thimble and close up the same, as above described.

By the arrangement described smoke, soot, and the like are not liable to blow through the joints into a room.

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

1. In a stovepipe-fastener, the combination of a thimble, a support secured to the thimble and extending across one end thereof, a rod attached to the support, the rod running through the thimble, a short pipe-section fitting within the thimble, a cross-piece secured to said pipe-section and engaged by the rod, the pipe-section having a bead formed therein, a ring-shaped cover engaged by the bead and surrounding the said pipe-section, and a main stovepipe fitting and removably secured within the pipe-section.

2. In a stovepipe-fastener, the combination of a thimble, a support fitting within the thimble and engaged rigidly therewith, the support consisting in two arms pivoted one to the other and one arm having a stop limiting the movement of the arms, a rod connected with the arms, a short pipe-section fitting within the thimble, a cross-piece secured to the short pipe-section and connected with the rod, a ring-shaped cover surrounding the short pipe-section and engaged by a bead thereon, and a main pipe-section fitted and secured within the short pipe-section.

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Witnesses:

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