

(No Model.)

A. WILLIAMS.
STOVE PIPE THIMBLE AND CAP.

No. 386,227.

Patented July 17, 1888.

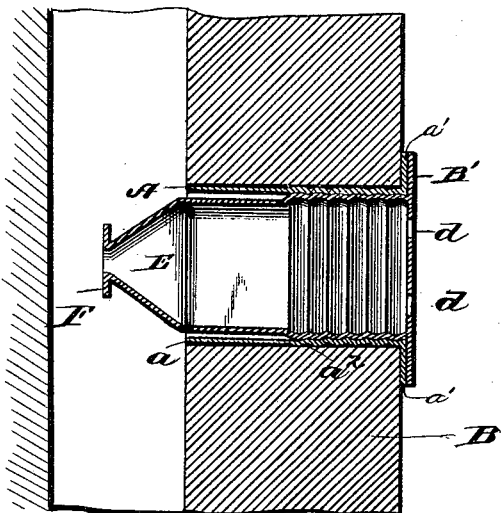


FIG. 1.

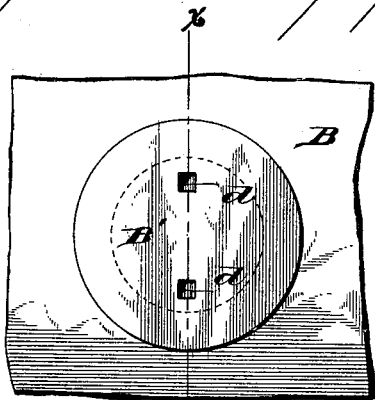
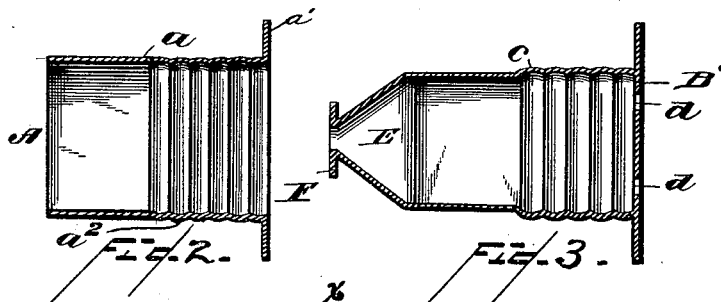


FIG. 4.

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UNITED STATES PATENT OFFICE.

ARVILLA WILLIAMS, OF SARATOGA, KANSAS.

STOVE-PIPE THIMBLE AND CAP.

SPECIFICATION forming part of Letters Patent No. 386,227, dated July 17, 1888.

Application filed February 5, 1887. Serial No. 236,621. (No model.)

To all whom it may concern:

Be it known that I, ARVILLA WILLIAMS, a citizen of the United States, residing at Saratoga, in the county of Pratt and State of Kansas, have invented certain new and useful Improvements in Stove-Pipe Thimbles and Caps, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to means for closing and concealing the holes made in walls or ceilings for the passage or reception of stove-pipes; and it has for its object the provision of such means as shall be durable and simple
15 in construction and cheaply manufactured.

The primary object of my invention is to provide a cap or plate for covering and concealing a stove-pipe hole after the stove has been taken down and the pipe thereof removed, although a portion of my device can be used as a thimble for the stove-pipe hole and to center and support the pipe within the same, as will be fully described.

25 A further object of my invention is to provide the cap of my device with means for excluding from the thimble and pipe the soot which is liable to fall down the chimney; and, finally, to provide the cap with means for conducting from the walls of the chimney containing the stove pipe hole the water which may flow down the said walls during a hard driving rain and cause it to drop down the center of the flue.

35 With these ends in view my invention consists of the peculiar and novel construction and adaptation of parts, substantially as hereinafter fully described, and particularly pointed out in the claims.

40 I have illustrated an embodiment of my invention in the accompanying drawings, in which—

Figure 1 is a vertical central longitudinal sectional view on the line *xx* of Fig. 4. Figs. 2 and 3 are vertical central sectional views
45 through the thimble and cap, detached from each other to more clearly show the construction of the same; and Fig. 4 is a front elevation showing a portion of the chimney and the cap fitted therein.

50 Referring to the drawings, in which like letters of reference indicate corresponding parts

in all the figures, A designates the thimble of my invention, which is fitted and held in the usual manner in the stove-pipe hole of a chimney, A'. This thimble comprises a cylindrical tube, *a*, which is open at its two ends, and at its outer end this tube has a right-angled flange or ledge, *a'*, which extends entirely around the same, so that when the thimble is fitted in place in the stove-pipe hole the flange will conceal and protect the rough edges of the hole, which is very desirable. This flange, however, can be omitted or dispensed with, if it is deemed desirable, without departing from the spirit or sacrificing the advantages of my invention.
65 The outer front or flanged end of the tube or thimble is beaded or screw-threaded, as at *a*², and these beads may extend only part way of the tube or throughout the entire length thereof, as may be deemed desirable, although I have only shown the beads as extending half-way of the tube or thimble. The thimble may be of such a length that it can extend entirely through the stove-pipe hole, or it may be of such a length as to terminate a short distance
75 from the inner terminal end of the said stove-pipe hole, as shown in Figs. 1 and 2.

B' designates the cap of my invention, which consists of a plate or disk, which may be either made flat, concavo-convex, or of any other desired shape; and to this cap is secured a tube, C, which is arranged centrally thereof and is of less diameter than the tube or thimble A. This tube C is rigidly and permanently connected to the plate or disk in any suitable manner, so that when the cap-plate or disk is turned or rotated the tube will be likewise actuated. This tube C is of such a length that it will extend entirely through the fixed thimble A and its inner end project or extend into the space in the chimney A', and the outer end of the said tube C is beaded or screw-threaded, as at *c*, so that it can be screwed or twisted into the beaded or threaded fixed thimble A and be held in place by the beads or threads of the tube C engaging the corresponding portion of the thimble, as will be readily understood. The beads or threads of the tube C may extend throughout the entire length thereof, or only part way, to correspond with the beaded portion of the thimble.
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The outer end of the rotatable tube C is entirely closed by the cap-plate or disk B, which is of greater or larger diameter than the tube, so that the latter is entirely concealed and hid from view when the same is screwed into the thimble, and this cap-plate or disk is provided with openings or recesses *d*, in which an implement of any suitable class may be fitted in order to turn or rotate the cap and the tube C, affixed or connected thereto.

The inner end of the rotatable tube C is contracted or reduced into approximately the shape of a reduced cone, as at E, so that water, soot, and other substances falling thereon through the chimney will be shed or deflected into the central smoke-space of the chimney and be prevented from entering the tube. This reduced cone-shaped end E of the tube C extends or projects through the thimble A into the central smoke-space of the chimney, and the said cone-shaped end has a central opening or exit formed therein; or it may be closed entirely, if preferred.

A drip plate, flange, or ledge, F, is fixed on the reduced terminal end of the cone E, and this plate may be formed integral with the tube, or it can be made separate therefrom and secured in place by any suitable means.

It will be understood that the thimble is permanently secured in the chimney and remains fixed therein at all times, and that the tube C, with the cap-plate or disk, is detachably screwed into the thimble and held securely in place thereby. When in this position, the cap entirely conceals both the tube and thimble and the flange of the latter from the view, while the inner reduced end of the tube C projects or extends into the smoke-space of the chimney. The soot which falls down the chimney and lodges upon the inner end of the tube C is deflected inwardly from the walls of the chimney, so that it will fall off the drip plate and down the smoke-space in the chimney. During a hard driving rain water is caused to flow down the inner sides of the chimney, and when it reaches the stove-pipe hole it flows down the inclined cone-shaped end of the tube C to the drip-plate F thereof, from which it falls through the central space of the chimney, and is thereby prevented from again coming in contact with and flowing down the sides of the chimney, as is obvious. When, however, it is desired to fit a stove-pipe in the thimble, the cap, together with the tube C, is rotated to disengage the

threads of the tube C from the thimble, so that the entire device—the cap, tube, and its cone-shaped end and drip-plate—can be entirely disconnected from the thimble, so that a stove-pipe can be easily fitted in the thimble, as is obvious.

The operation of my invention will be readily understood from the foregoing description, taken in connection with the drawings.

I do not desire to limit myself to the exact details of construction and form and proportion of parts of the devices herein shown and described as an embodiment of my invention, as I am aware that changes therein can be made without departing from the spirit of my invention.

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

1. In a cap or cover for stove-pipe holes, the combination, with a fixed thimble having the threaded portion, of a rotatable threaded tube adapted to be screwed into the thimble, and having the cone-shaped inner end and a fixed cap at its outer end, as and for the purpose set forth.

2. The combination, with a threaded thimble having the open inner end, of a second threaded tube provided with a cone-shaped inner end which is extended through the open end of the thimble, the outer end of the second tube being closed by a cap, substantially as described.

3. A cover or cap for stove-pipe holes, having a tube adapted to be fitted and held in the pipe-hole and provided with the inner cone-shaped end, and a depending drip-plate at the inner terminal end of the cone-shaped portion, as and for the purpose set forth.

4. The combination, with a fixed threaded thimble having an annular flange at its outer end and an open inner end, of a second rotatable threaded tube adapted to be screwed into the thimble, to be held in position thereby, and having its inner end so proportioned that it may extend into the smoke-space of a chimney, the outer end of the second tube being closed by a fixed cap, and the inner extended end of said tube having a depending drip-plate, as and for the purpose described.

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

ARVILLA WILLIAMS.

Witnesses:

JOHN B. TRAVIS,
B. GEO. PRALL.