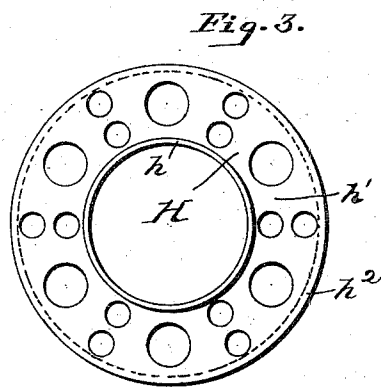
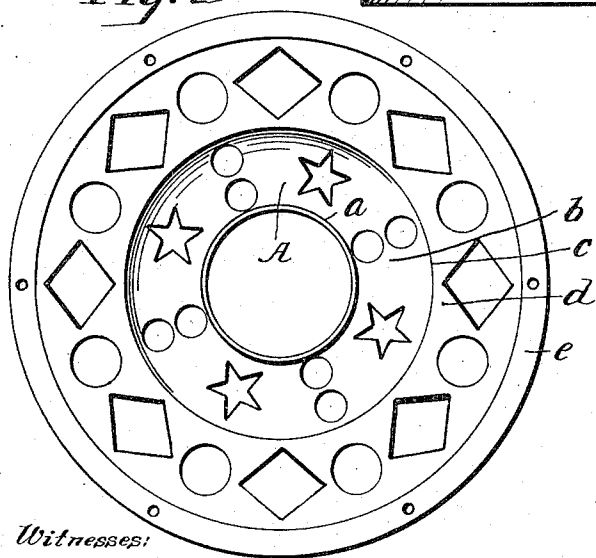
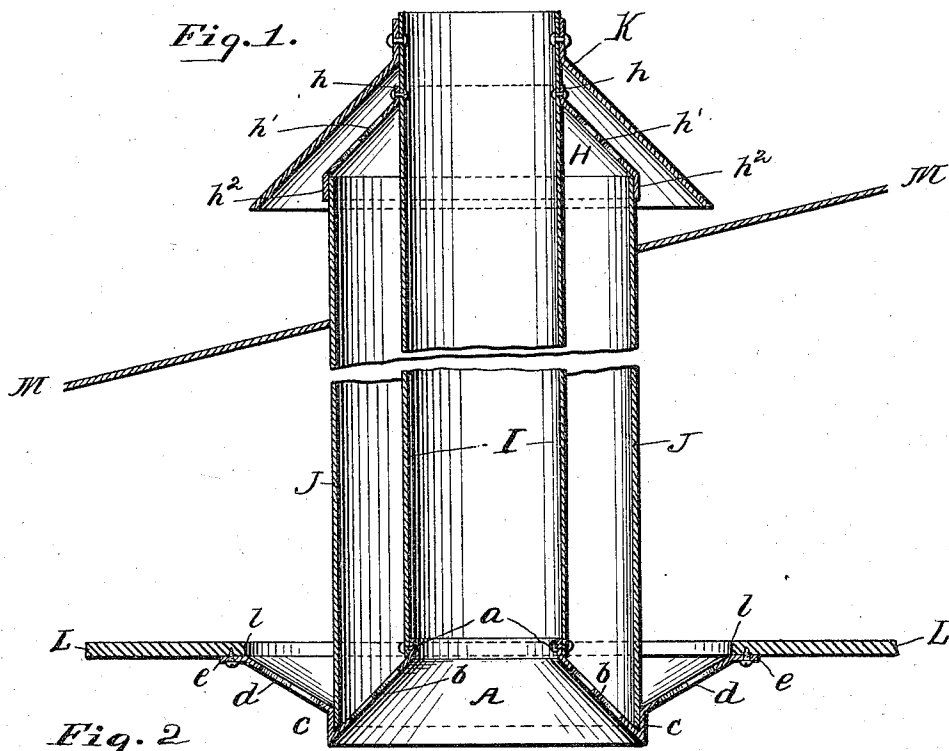


(No Model.)

W. J. MILSAPS.
PIPE THIMBLE.

No. 533,199.

Patented Jan. 29, 1895.



Witnesses:

Walter P. Morris
Rose C. Habbitt.

Inventor
W. J. Milsaps.

By J. M. Duppin
Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM J. MILSAPS, OF FORDYCE, ARKANSAS, ASSIGNOR TO JOSEPH J. DANIEL AND JAMES G. PATTILO, OF SAME PLACE.

PIPE-THIMBLE.

SPECIFICATION forming part of Letters Patent No. 533,199, dated January 29, 1895.

Application filed June 2, 1894. Serial No. 613,253. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM J. MILSAPS, a citizen of the United States, residing at Fordyce, in the county of Dallas and State of Arkansas, have invented certain new and useful Improvements in Pipe-Thimbles; 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 is a "pipe thimble;" and consists in the novel construction and arrangement of its parts, hereinafter set out in this specification and the claim hereunto attached.

In the accompanying drawings: Figure 1 is a vertical sectional view of my thimble, and of a cap secured thereto. Fig. 2 is a plan view of the lower ring or head. Fig. 3 is a plan view of the upper ring or head.

My invention is briefly described as being a pipe thimble or ventilating device, consisting of two perforated heads, and two pipes, inner and outer, being attached to said heads, one head having an extended perforated flange for the purpose of being secured to the ceiling; the inner pipe extending beyond the upper edge of the smaller head, so that a cover or hood may be attached thereto. In brick or stone walls the head A, may be used alone. My invention is more particularly described as follows:

In the accompanying drawings A, represents the lower head, and H, the upper head. The head A, is provided with a neck *a*, and then turns out at an angle of about forty-five degrees forming a cone-shaped flange *b*. It then turns up a short distance parallel to the neck *a*, forming a seat *c*. It then turns out at an angle of about forty-five degrees, forming another cone-shaped flange *d*. An additional flange *e*, then turns out at an angle of ninety degrees to the face of the neck.

The upper head H, consists of a neck *h*, cone-shaped flange *h'*, and ring *h²*, which runs parallel to the neck *h*.

The flanges *b*, *d*, and *e*, of the lower head are perforated. The perforations in the flanges *b*, and *d*, may be of any shape and are for the purposes of ventilation.

The perforations in the flange *e*, (head A) are suitable for screws, nails or bolts and for

the purpose of enabling the head to be secured to the ceiling or wall.

The neck *h*, and flange *h'*, of head H, are also perforated. The perforations in the neck are for the purpose of securing said head to the inner pipe. The perforations in the flange *h'*, are for ventilation.

The ring *h²*, may be perforated for securing it to the outer pipe.

The neck *a*, of the head A, is perforated for securing it to the lower end of the inner pipe, or the inner pipe may fit on the inside of said neck and have a flange turned out at its lower end, so that it may be secured to the flange *b*. The outer pipe is just as great in circumference as is the circumference of the seat *c*, and the lower end of it rests in said seat and may or may not be secured in the same. Said pipe is just as large at its upper as at its lower end and fits in the ring *h²*, of the head H, and may or may not be secured therein. The inner pipe fits over or in the neck *a*, and may or may not be secured thereto, and extends upward and fits in the neck *h*, and is secured thereto. The inner pipe I, extends a little above the neck *h*, so that there may be secured to it a hood or cover K, to prevent the rain from passing through the perforations of the head H.

I do not undertake to patent the hood or cap, because I intend that this "pipe thimble," may be put through the ceiling of any floor of the house.

The ceiling and floor are represented in the drawings by the lines L, and thus it will be seen that two or more thimbles may be used for the same stove pipe, and that finally one may be used to pass through the last ceiling and the roof represented by the lines L, and M, or said thimble may pass through the roof alone. Said thimble may also be used in the walls of a house, the flange *e*, of the head A, attached to the wall, pipes I, and J, passing out through the wall and the head H, being protected by a hood properly shaped for that purpose, but as said before, where the walls are of stone or brick the head A, may be used without any other part of the thimble.

This pipe thimble is no part of the stove or stove pipe, but is a separate merchantable article.

The perforations and the angles in the heads H, are both for the purpose of beauty and ventilation.

5 The flange *d*, extends out beyond the pipe I, so that the ceiling and floor may be cut away to the points *l*, indicated on the lines L, for the purpose of greater protection against fire, but for all ordinary purposes this is not at all necessary, for the air passing between
10 the pipes I, and J, the flange *d*, and the ceiling or wall will be sufficient to keep the outer pipe J, cool at the point where said pipe passes through the ceiling or wall.

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

A "pipe thimble," consisting of a perforated head A, provided with the neck *a*, perforated cone-shaped flange *b*, seat *c*; perforated cone-

shaped flange *d*, and perforated lateral flange *e*, adapted to be secured to the ceiling or wall by means of the outer perforations in said flange; head H, provided with the neck *h*, perforated cone-shaped flange *h'*, and ring *h²*; outer pipe J, its lower end fitting in the seat *c*, and its upper end in the ring *h²*; inner pipe I, its lower end fitting neck *a*, and its upper end fitting neck *h*, and extending upward above said neck, that a cap or hood K, may be secured thereto, substantially as shown and described and for the purposes set forth.

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

WILLIAM J. MILSAPS.

Witnesses:

JOE J. HARRISON,
LEWIS AMES, Jr.