(No Model.)

H. J. MERZ.

STOVE PIPE THIMBLE.

No. 369,200. Patented Aug. 30, 1887.

Fig. 1.

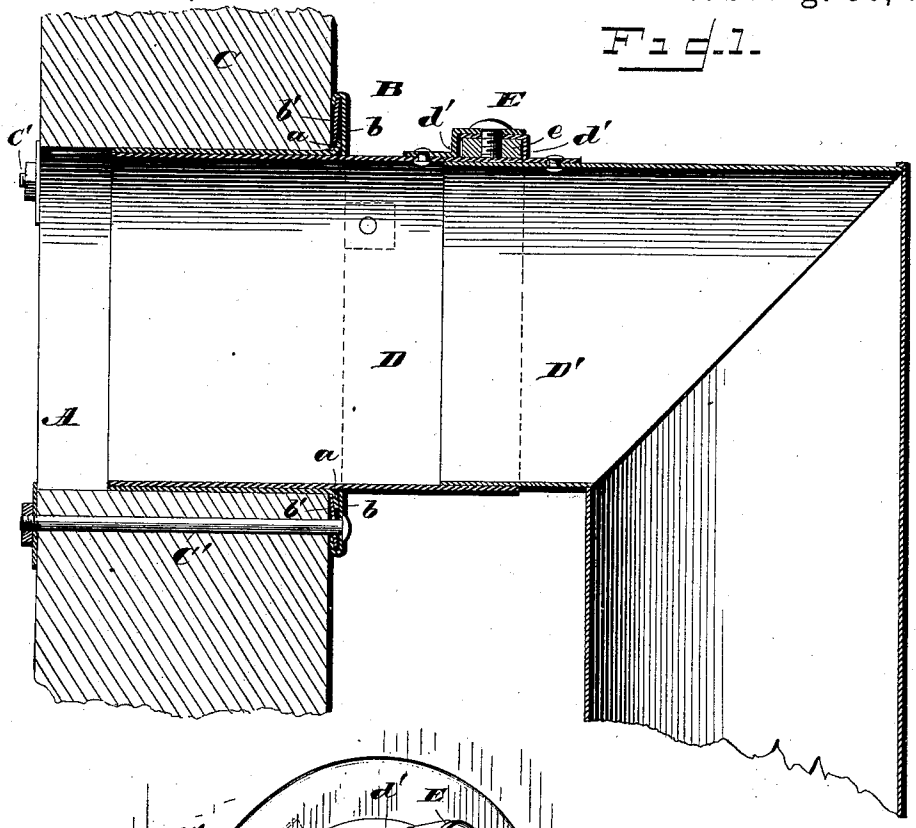
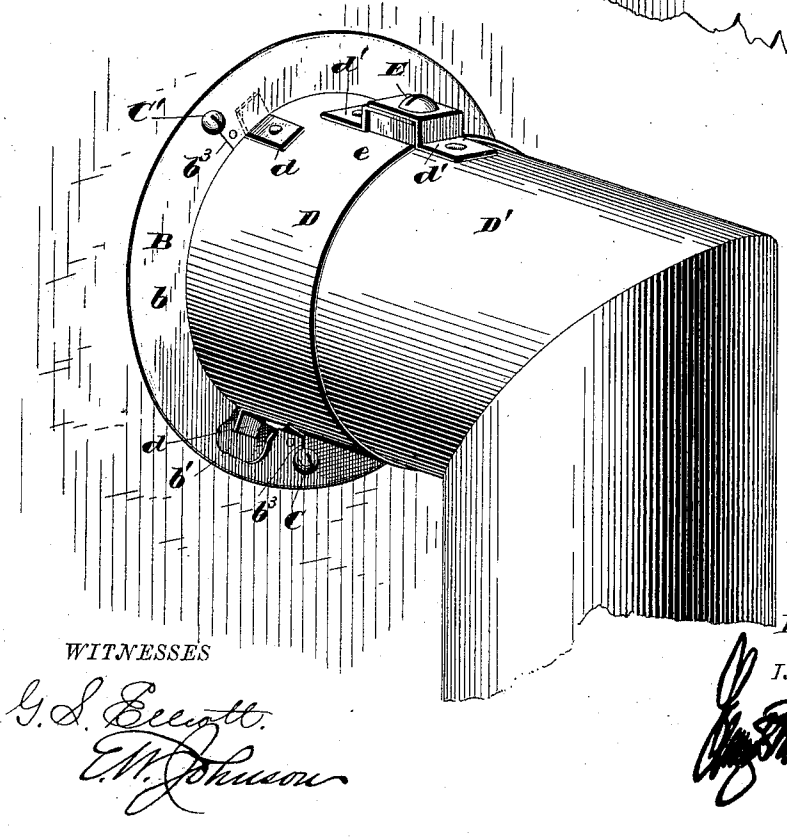


Fig. 2.



WITNESSES

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STOVE-PIPE THIMBLE.

SPECIFICATION forming part of Letters Patent No. 369,200, dated August 30, 1887.

Application filed March 10, 1887. Serial No. 230,416. (No model.)

To all whom it may concern:

Be it known that I, HENRY J. MERZ, a citizen of the United States of America, residing at Harper, in the county of Harper and State of Kansas, have invented certain new and useful Improvements in Stove-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, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention is an improvement in interlocking stove-pipes and thimbles. The object of the invention is to provide simple and inexpensive means, first, to secure the thimble rigidly within the pipe-hole of a chimney; second, to lock the pipe and thimble together.

My invention consists in particulars of construction and arrangement involving novel features and combinations, which will be set forth in the claims.

In the accompanying drawings, Figure 1 is a vertical sectional view illustrating a stove-pipe and thimble embodying my improvements, and Fig. 2 is a perspective view of the devices shown in Fig. 1.

The stove-pipe thimble consists of a cylinder, A, adapted to enter the pipe-hole of a chimney, C, and provided at its front or outer end with a flange, B. The cylinder A is at its front end flanged to form an annular lip, *a*, which projects between the front and rear walls, *b b'*, of flange B, thus uniting said cylinder and flange. The flange B is provided with bolt-holes to admit of the passage of bolts C', which secure the thimble to the chimney.

The front wall, *b*, of the ring B is provided with radial slits b^3, the metal at one edge of each slit being bent slightly outward to admit of the insertion between the walls of the flange of the outwardly-projecting rods of sheet-metal lugs *d*, secured to the pipe-length D, which is to be inserted in the thimble. The opposite edges of these slits b^3 are connected by rivets to the rear wall, *b'*, of the flange, as shown.

Secured near the end of each pipe-length D D', &c., is an angle-piece, *d'*, perforated at its outer end for the passage of a locking-bolt, E, these angle-pieces being so arranged with relation to each other that when the outer perforated ends are overlapped for the reception of the locking-bolt a nut, *e*, may be inserted between said overlapping ends and a pipe-length, as D, with its opposite side faces in contact with the outwardly-extending angles of said pieces, the nut *e* being thus locked against turning when the bolt E is inserted.

In practice the thimble is secured within the pipe-hole of a chimney, C, by means of the bolts C', and the pipe-length D is inserted in said thimble to bring the lugs *d* in contact with the face of flange B. The pipe-length D is now turned to cause the lugs *d* to pass through the slits b^3, and between the front and rear walls, *b b'*, of the flange, thus securely locking the pipe-length against longitudinal movement. The next pipe-length, D', (shown as an elbow in the drawings,) is now thrust within the outer end of length D, as in ordinary cases, a nut inserted beneath the overlapping ends of the angle-pieces, and a bolt passed through the perforations of said pieces and engaged with the nut, thus locking the pipe-lengths D and D' together.

I claim—

1. A stove-pipe thimble consisting, substantially as described, of a double-walled flange and a cylindrical body provided at one end with an annular lip which projects outwardly between the front and rear walls of the flange.

2. A stove-pipe thimble consisting of a cylindrical body provided at one end with an outwardly-projecting annular lip, and a flange provided with double walls embracing said lip, the front walls of said flange being provided with radial slits, substantially as described.

3. The combination, with a stove-pipe thimble consisting of a cylindrical body and double flange having radial slits in its front

wall, of a pipe-length provided with lugs to engage the slits of said front wall and pass between the front and rear walls of the flange, substantially as described.

4. The combination of a stove-pipe thimble consisting of a cylindrical body and a double flange having radial slits in its front wall, bolts for securing the thimble to a chimney, and a pipe-length provided with lugs to engage the slits of the flange and pass between the front and rear walls thereof, substantially as described.

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

HENRY J. MERZ.

Witnesses:
W. M. GLENN,
S. H. GLENN.