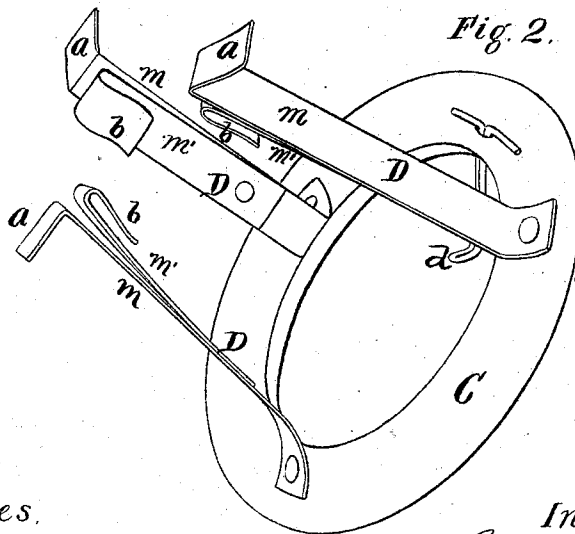
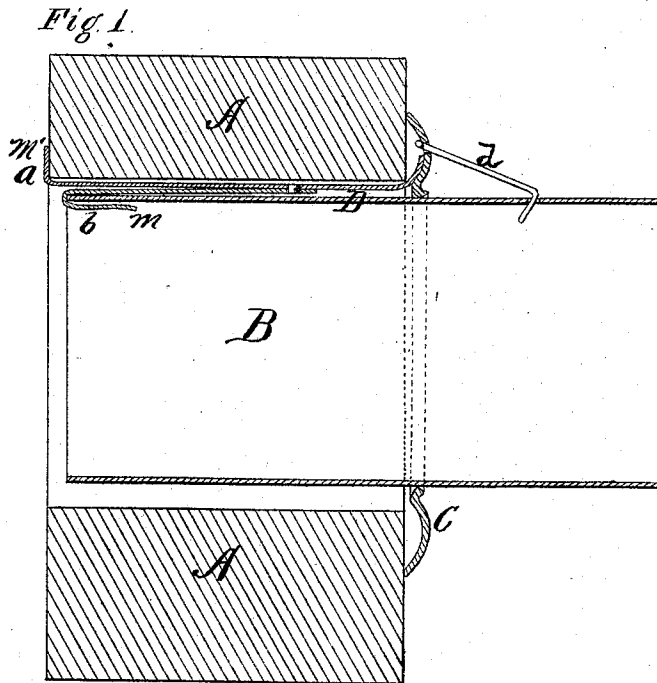


G. F. BRINKERHOFF.
Stove-Pipe Connections.

No. 143,120.

Patented September 23, 1873.



Witnesses.
George E. Upham.
Emory H. Bates

Inventor
Geo. F. Brinkerhoff
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Attys.

UNITED STATES PATENT OFFICE.

GEORGE F. BRINKERHOFF, OF BUCYRUS, OHIO.

IMPROVEMENT IN STOVE-PIPE CONNECTIONS.

Specification forming part of Letters Patent No. **143,120**, dated September 23, 1873; application filed July 12, 1873.

To all whom it may concern:

Be it known that I, GEO. F. BRINKERHOFF, of Bucyrus, in the county of Crawford and State of Ohio, have invented a new and valuable Improvement in Pipe-Collars; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of sectional view of my pipe-collar. Fig. 2 is a detail view of the same.

The nature of my invention consists in a stove-pipe thimble, provided with suitable stops or other equivalent devices for preventing the thimble from coming out of the wall, for preventing the stove-pipe from being inserted too far, and for locking the stove-pipe, so that it cannot come out, all as hereinafter more fully set forth.

In the accompanying drawing like letters of reference indicate corresponding parts.

A represents the wall of the chimney, in which the stove-pipe thimble is inserted for the reception of the end of the stove-pipe B.

The stove-pipe thimble may be made of cast or other metal, or of fire-clay, like the thimbles most generally in use.

When made of metal it consists of a collar, C, to come close against the outside of the wall A, and provided with three or more arms, D D, extending through the aperture in the wall, and each arm dividing into two spring branches, *m m'*, one having at its inner end an outward-projecting flange, *a*, to catch on the inside of the wall, for the purpose of preventing the thimble from being pulled out by the removal of the stove-pipe or otherwise. The other branch is provided with a flange, *b*, extending inward, or bent inward and forward

to form a stop, so that the stove-pipe B cannot be moved in beyond a certain point.

For new buildings being put up this stove-pipe thimble may be cast in one piece, with both flanges *a* and *b* on each arm D, but for old buildings or buildings already erected, the arms D D must be of such metal that they can be sprung into the aperture in the wall of the chimney, and then forced into place. When the thimble is made of clay it will be as usual—in cylindrical form, with a circumferential flange at the inner end, extending both outward and inward.

On or to the collar C of the thimble is attached a hook, *d*, to enter a hole in the stove-pipe B, and thus hold the pipe and prevent its coming out.

Numerous other devices may be substituted in lieu of those above described; for instance: in place of the flanges *a* and *b* on each arm, a button may be pivoted on the end of the arm, which button, when turned across, will form the flanges.

In place of the hook *d*, a groove may be made in the stove-pipe and an eccentric pivoted on the collar of the thimble turned to enter said groove.

What I claim as new, and desire to secure by Letters Patent, is—

A stove-pipe collar having the outer guard-hook *d* and the inner arms D, each dividing to form two spring branches, *m m'*, flanged, respectively, outward and inward at their ends to keep the collar in the wall-hole and to locate the stove-pipe, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

GEORGE F. BRINKERHOFF.

Witnesses:

W. B. BENNETT,
J. B. GOUNLY.