

HENRY G. SMITH.

Improvement in Stove-Pipe Thimbles.

No. 114,484.

Patented May 2, 1871.

Fig. 1.

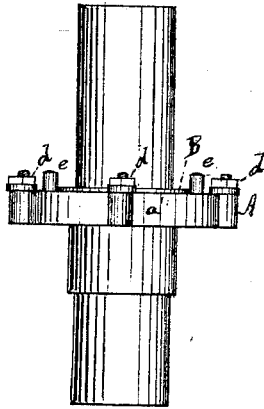


Fig. 2.

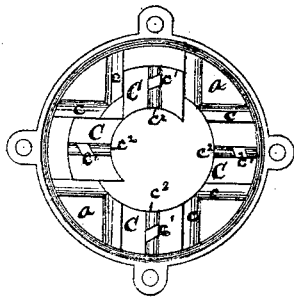
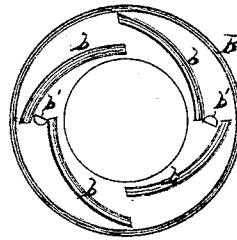


Fig. 3.



Witnesses:

W. C. Raymond
J. H. Pearson

Inventor:

H. G. Smith, by
H. W. Beadle & Co., attys

United States Patent Office.

HENRY G. SMITH, OF MERIDEN, CONNECTICUT, ASSIGNOR OF ONE-HALF
HIS RIGHT TO ELIJAH D. CASTELOW, OF SAME PLACE.

Letters Patent No. 114,484, dated May 2, 1871.

IMPROVEMENT IN STOVE-PIPE THIMBLES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, HENRY G. SMITH, of Meriden, in the county of New Haven and State of Connecticut, have invented a new and improved Adjustable Stove-Pipe Thimble; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon.

This invention consists in providing the thimble for receiving the end of the stove-pipe which enters the chimney with suitable mechanism for grasping and securely holding pipes of different sizes, as will be fully described hereinafter.

In the drawing—

Figure 1 is a side elevation of my invention;

Figure 2, a plan view, showing the adjusting devices; and

Figure 3, a plan view of the cover inverted.

To enable others skilled in the art to make and use my invention, I will now proceed to describe fully its construction and manner of operation.

A represents a thimble constructed of any proper non-combustible material, and of sufficient diameter to receive the larger sizes of stove-pipes, which is provided with a collar, *a*, having a flange, *a'*, as shown.

B represents a covering-plate, which fits snugly within the flange *a'*, and forms with it and the collar *a* a chamber for holding the adjustable mechanism. This consists of a suitable number of jaws, C C, which slide between permanent guides *c c* cast upon the face of the collar *a*, as shown. These jaws are provided with curved edges, adapted to grasp the pipe, and are operated by means of eccentric flanges *b b* projecting from the inner face of the covering-plate B.

Each flange *b* rests in a slot *c'* *c'*, formed in the projection *c'* upon each jaw C.

Suitable stops *v* are provided upon the covering-plate B to prevent its flanges from being accidentally moved out of the slots.

The covering-plate is secured in place by any proper means that will permit it to revolve. I preferably employ thumb-screws *d*, upon threaded studs rising from the flange *a'*, as shown.

It is essential that the inner face of the screw-nut should bear firmly against the covering-plate when screwed to place, in order that the latter may be securely held from revolving.

The operation is as follows:

The thimble is secured in the chimney in any proper manner. The pipe is placed in position in the thimble, and the covering-plate being revolved in the proper direction by means of the studs *e e* the jaws are caused to slide forward by means of the eccentric flanges and gripe the pipe. The plate is then secured from turning back by means of the set-screws which are screwed down to hold it.

It will thus be seen that any size of pipe within the limits of the thimble may be employed.

One of the special advantages of this construction is that the pipe is securely held, and thus prevented from being accidentally thrown down from any cause.

Having thus fully described my invention,

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

1. A stove-pipe thimble provided with adjustable jaws, actuated by eccentric flanges, substantially as described.

2. The device described, consisting of the thimble A, with collar *a* and flange *a'*, covering-plate B, with eccentric flanges, jaws C C, with slots *c'* and thumb-screws *d*, the parts being combined and arranged as described.

This specification signed and witnessed this 21st day of November, 1870.

HENRY G. SMITH.

Witnesses:

GEO. W. SMITH,
WILBUR F. DAVIS.