

N. LINDEN.
Stove-Pipe Thimbles.

No. 145,579.

Patented Dec. 16, 1873.

Fig. 1

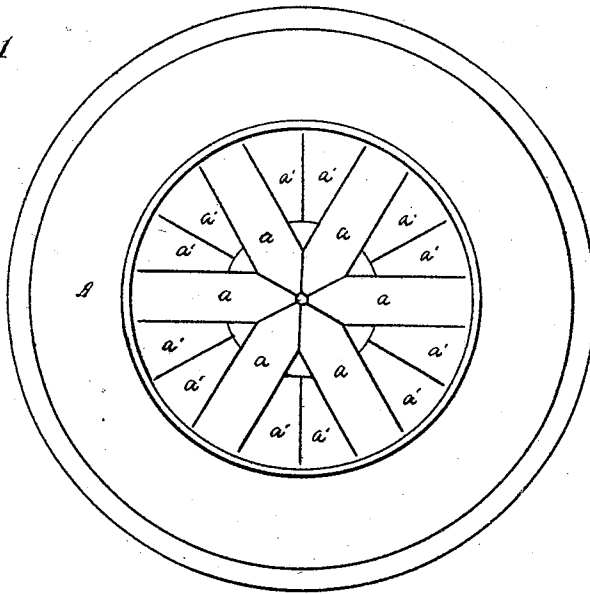
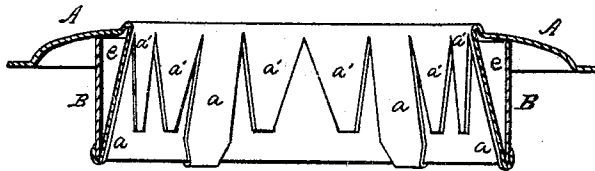


Fig. 2



WITNESSES.

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NICHOLAS LINDEN, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN STOVE-PIPE THIMBLES.

Specification forming part of Letters Patent No. **145,579**, dated December 16, 1873; application filed November 13, 1873.

To all whom it may concern:

Be it known that I, NICHOLAS LINDEN, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Stove-Pipe Thimbles, of which improvements the following is a full, clear, and exact description, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing, forming a part hereof, and in which—

Figure 1 is a front elevation of one part of my improved device as it appears before the opening for the pipe is made, and Fig. 2 a central cross-section of the device when completed.

Like letters of reference indicate like parts.

The object of my invention is to make a stove-pipe thimble which may be readily and cheaply constructed, and which will fit a chimney-hole considerably larger than the stove-pipe, and hold the latter firmly in its position in the hole, and so that an annular air-space will surround that part of the pipe which enters the hole. For the purpose of accomplishing the objects above set forth, my invention consists in certain novel features relating to the construction of the thimble, and hereinafter fully described.

In the drawing, A represents a disk of sheet metal, about equal in diameter to the diameter required for the thimble. *a a* are radial tongues cut in the part A, and extending from, or nearly from, the center thereof, to, or nearly to, a circular line bounding the opening for the pipe. *a' a'* are also radial tongues cut in the part A, and extending to the same outer circle that the tongues *a a* do. I deem it preferable, in order to secure strength and firmness, to make the sides of each tongue *a* parallel to each other for a considerable distance, as shown, and this will result in making the tongues *a'* the shortest. The points of the tongue may also be cut away, as shown. After

the tongues *a a* and *a' a'* are cut, I arrange them in the position shown in Fig. 2. The face of the part A may also be pressed into any suitable form, for the purpose of giving it an ornamental appearance, as shown. B is a cylindrical piece of sheet metal, of such a diameter as to fit nicely into a chimney-hole considerably larger than the stove-pipe. The piece B is attached to the piece A, in the position shown in Fig. 2, by drawing the tongues *a a* back, and by turning them over the edge of the piece B, as shown. The piece A may be formed and its tongue cut and set by means of stamps or dies suitable for that purpose.

It will be perceived, from reference to the drawing, that an air-space exists between the piece B and the tongues, as shown at *e*, and that the tongues *a' a'* present a broad bearing to the pipe, and prevent it from being tilted, except for the purpose of forming such a bearing; and for the purpose of forming a more complete double wall to the air-space, the tongues *a' a'* may be omitted. It will also be perceived that the other objects above set forth may also be readily accomplished by means of a thimble constructed substantially as herein shown and described.

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

The annular sheet-metal disk A, having a central opening cut therein to receive the pipe, in combination with the cylindrical piece B, arranged between the outer and inner rims of the said disk, and attached to the inner face of the latter by means of the radial tongues *a a* cut from the central part of said disk, and bent to receive the pipe and clasp the inner edge of the part B, substantially as shown and described, and for the purposes set forth.

NICHOLAS LINDEN,

Witnesses:

F. F. WARNER,
J. H. LAWLOR.