

T. H. Anderson.

Store Pipe Thimble.

N^o 41,592.

Patented Feb. 16, 1864.

Fig. 1.

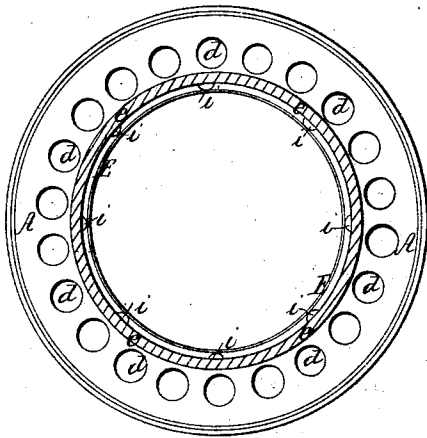


Fig. 2.

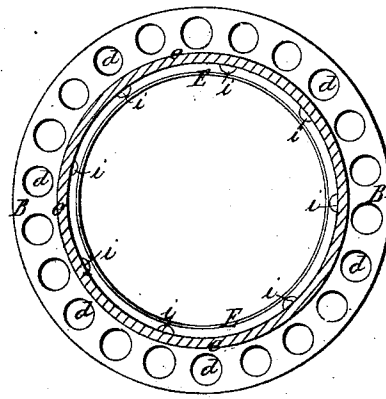


Fig. 3.

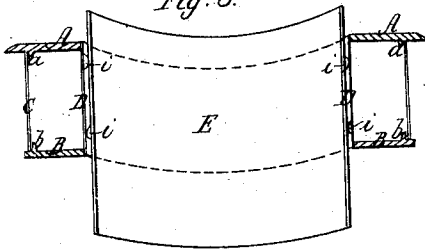


Fig. 4.

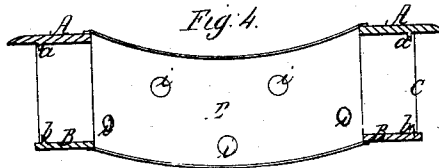
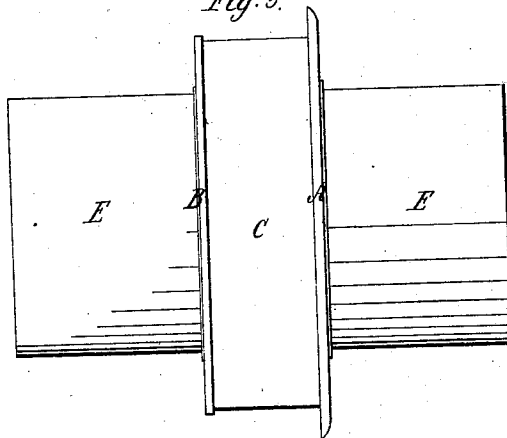


Fig. 5.



Witnesses;
Homer Holliday
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UNITED STATES PATENT OFFICE.

THOMAS K. ANDERSON, OF HORNELLSVILLE, NEW YORK.

IMPROVEMENT IN STOVE-PIPE THIMBLES.

Specification forming part of Letters Patent No. **41,592**, dated February 16, 1864.

To all whom it may concern:

Be it known that I, THOMAS K. ANDERSON, of Hornellsville, in the county of Steuben and State of New York, have invented new and useful improvements in stove-pipe flues or safety flange or bush to protect wood partitions from heat and taking fire from stove-pipes; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 represents the front face view. Fig. 2 is the rear side view. Fig. 3 shows a section across the flue or bush with a piece of stove-pipe in. Fig. 4 is the half of the flue or bush in section. Fig. 5 represents an edge view with a piece of stove-pipe in place.

The object of my invention is to supply a simple, cheap, and perfectly safe stove-pipe bush or flue to support a stove-pipe when it passes through a partition or up through the ceiling and floor; and it consists in the construction of the indented tin or zinc cylinder and the mode of fastening the two cylinders to the flanges so as to make the stove-pipe flue a substantial article.

I make rings or flanges A A and B B, of cast metal, with a rib, *a a* and *b b*, cast on one side, near the outer edge, for the purpose of forming a support inside for both edges of the outside rim, C C, which may be made of sheet tin, zinc, or other bright sheet metal. The inner rim, D D, may be made of the same material, and is secured to the flanges A A and B B by being of such a width over the outer rim, C C, as to allow the edges to be turned down onto the inner edges of the flanges A A

and B B, as seen at *e e e e*, by which means the two flanges are secured in their places, and the whole article which constitutes the flue or bush is fastened securely together. The flanges A A and B B have a series of small openings, *d d d d*, through which a current of air will constantly be passing, thereby expelling the heated or rarefied air, and keeping the flanges A A and B B and the outer rim, C C, cool, or at such a low degree of temperature that no wood or anything coming in contact with it can ignite. The inner rim, D, has indentations made with a spherical-pointed punch from the inside, which form a series of convex protuberances, *i i i i i*, against which the stove-pipe E E impinges, it having but a comparatively small bearing against the flue, while it is held firmly in the center.

The flanges, being made of cast metal, may be of any size desired, and the inner and outer rim, being made of tin-plate or sheet-zinc, can be of a width just to come flush with the face of the wall on both sides of the partition, or the floor and ceiling when the stove-pipe is placed in a vertical position, the same being held centrally in the flue by the bulbous projections in the inner rim.

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

The tin or zinc cylinder D, having a bright surface, and indented throughout its surface with protuberances, in the manner as and for the purposes herein described.

THOMAS K. ANDERSON.

Witnesses:

HOMER HALLIDAY,
NATH. CHADWICK.