

J. T. HALL.
STOVE-PIPE THIMBLE.

No. 171,800.

Patented Jan. 4, 1876.

Fig: 1.

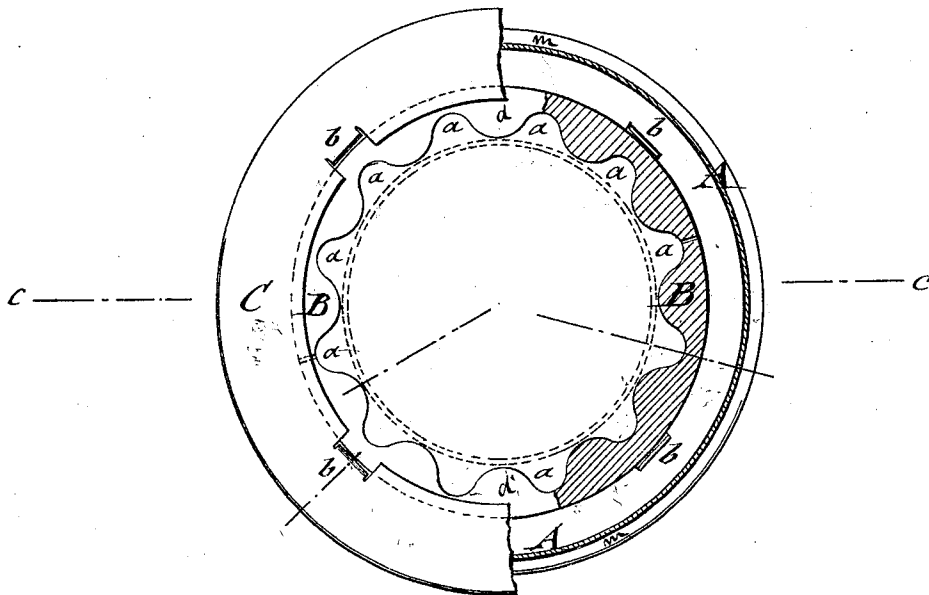
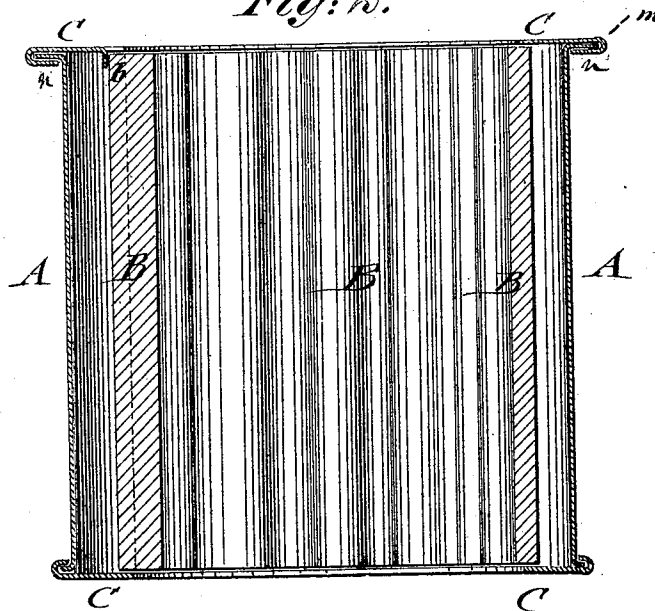


Fig: 2.



WITNESSES:

Chas. Nida
A. F. Terry

INVENTOR:

J. T. Hall
BY *Murray & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN T. HALL, OF LAPEER, MICHIGAN, ASSIGNOR TO HIMSELF AND
WILLIAM FORTUNE, OF SAME PLACE.

IMPROVEMENT IN STOVE-PIPE THIMBLES.

Specification forming part of Letters Patent No. **171,800**, dated January 4, 1876; application filed
February 20, 1875.

To all whom it may concern:

Be it known that I, JOHN T. HALL, of Lapeer, in the county of Lapeer and State of Michigan, have invented a new and Improved Ventilating Stove-Pipe Safe, of which the following is a specification:

Figure 1 represents a sectional top view, and Fig. 2 a vertical central section, of my improved ventilating stove-pipe safe or jacket on the line C C, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to that class of stove-pipe safes or thimbles which are designed to protect the ceilings or partitions through which the pipe passes; and the nature of the same consists in certain modifications in the details of the construction of the same hereinafter described, whereby an inner corrugated tube constructed in sections is held firmly in position by means of an annular head of sheet metal provided with lugs or shoulders, as hereinafter described.

The invention will first be fully described, and then pointed out in the claim.

A represents the outer casing made of suitable sheet metal, and B the inner corrugated tube of clay or similar heat-resisting material, which surrounds and supports the stove-pipe, forming, by its inner corrugations, channels along the stove-pipe. The corrugated tube B may be made of one or more sections, as found most expedient, and is retained securely in position by means of ring-shaped heads C of sheet metal or cast-iron, which overlap the outer circumference of tube B, and bind by

means of bent or raised lugs or shoulders *b* on three or more points at the circumference of the tube.

By this construction the tube is held firmly and securely in position, and a dust-tight joint is made between the outer casing A and the sections of the tube without using nails, screws, or rivets.

The air-space between the inner tube and the outer casing acts as a non-conductor of heat, and reduces to a considerable extent the danger from fire to the surrounding floors, walls, and carpets.

The ventilating-corrugations are readily cleaned and do not admit the collection of dust, sweepings, and furze, which, on being ignited, would set fire to the carpets or other loose material. The construction of the stove-pipe safe is therefore conducive to greater security against fire, and, by its simplicity, durability, and ventilating qualities, recommendable to general use.

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

The combination of the outer casing A, having annular flanges *m*, the sections *d* of the corrugated tube B, and the circular heads *c*, having lugs *b*, and inwardly-projecting annular flanges *n*, all relatively arranged as and for the purpose described.

JOHN T. HALL.

Witnesses:

THOS. B. WOODWORTH,
G. D. YOKOM,
CHAS. A. PATTEE.