C. C. & F. CAMPBELL.
Stove-Pipe Thimble.

No. 222,242. Patented Dec. 2, 1879.

Fig. 1.

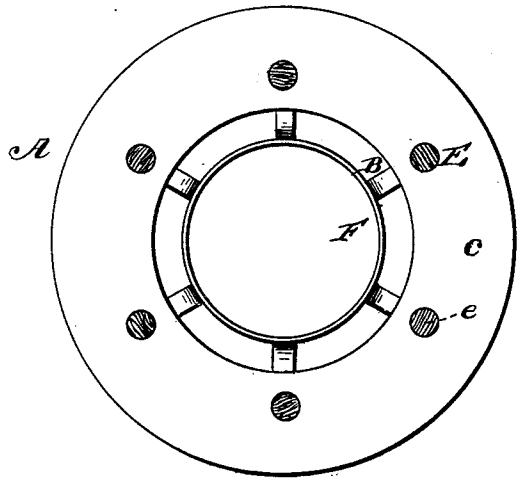
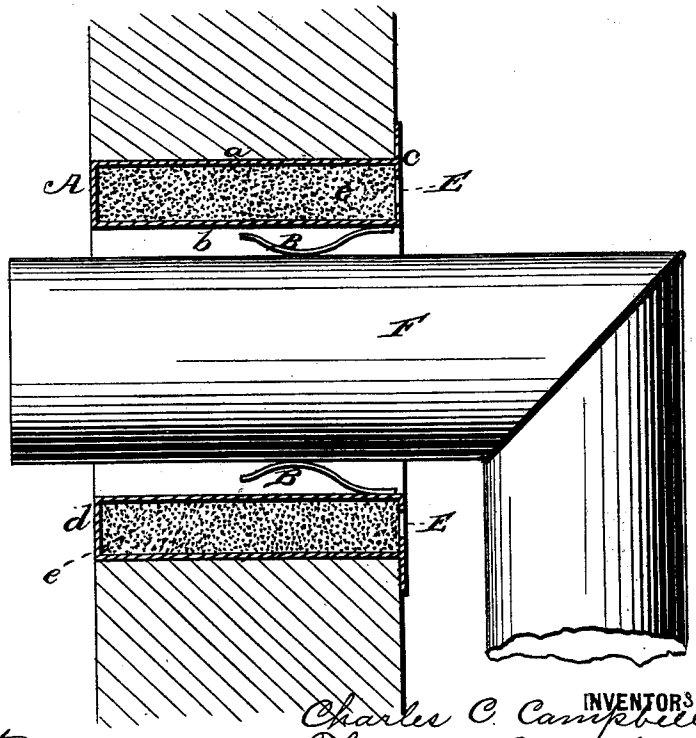


Fig. 2.



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UNITED STATES PATENT OFFICE.

CHARLES C. CAMPBELL AND FLEMING CAMPBELL, OF FLAT LICK, KY.

IMPROVEMENT IN STOVE-PIPE THIMBLES.

Specification forming part of Letters Patent No. **222,242**, dated December 2, 1879; application filed October 4, 1879.

To all whom it may concern:

Be it known that we, CHARLES C. CAMPBELL and FLEMING CAMPBELL, of Flat Lick, in the county of Knox and State of Kentucky, have invented certain new and useful Improvements in Stove-Pipe Thimbles; and we 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 an end view of our stove-pipe thimble, partly in section, and Fig. 2 is a sectional view of the same applied to a pipe.

The nature of this invention relates to stove-pipe thimbles adapted to be set into a wall or partition, and arranged so that a stove-pipe leading from a stove may be passed through the same into the chimney.

The nature of our improvement relates to a double-walled thimble provided with a packing of hog-hair, feathers, and leather scraps, whereby not only is a packing afforded which will prove a non-conductor of heat, but also one which, in case of the stove-pipe and thimble becoming unduly heated, will emit an odor which cannot fail to notify persons in the vicinity of the danger.

Our improvement also relates to a thimble provided with a series of springs which are adapted to clasp upon the stove-pipe, whereby the stove and its pipe may be readily adjusted in position within an apartment, and draft-passages also be provided, whereby the stove-pipe thimble will be greatly cooled by the passing currents of air.

In the drawings, A designates the thimble, which is composed of the outer and inner walls, *a b*, front plate, *c*, which also constitutes a flange, and a rear plate, *d*, which closes up its back end.

E designates a series of holes formed in the front plate, and B a series of springs secured to the inner cylindrical wall of the thimble.

The jacket or space between the two walls is filled with a packing, *e*, of hog's hair, feathers, and leather scraps, but principally with hair.

F designates the stove-pipe, placed in position through the thimble, and in Fig. 2, which illustrates the above, the thimble is shown as applied to a wall.

The packing in its crude state forms a good non-conductor for heat; but it is rendered still better by scorching or charring, which, during use, will be likely to take place.

Should the stove-pipe and thimble become unduly heated, the odor arising from the burning packing or filling will be emitted through the openings E, whereby the apartment will become impregnated with the same; and hence persons near by will be warned and enabled to apply cold water to the heated parts in time to avoid a general conflagration.

Having thus described our invention, what we claim is—

A double-walled stove-pipe thimble, A, provided with a packing of hair, feathers, and leather, or some equivalent non-conductor of heat, which, while burning, will emit an offensive odor, the said thimble having also a series of openings, E, through which such odor will pass out into the apartment, substantially as set forth.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

CHARLES C. CAMPBELL.
FLEMING CAMPBELL.

Witnesses:
GEO. R. BARTON,
A. Y. CULTON.