

F. TARRANT.
Stove-Pipe Thimbles.

No. 139,210.

Patented May 20, 1873.

Fig 1

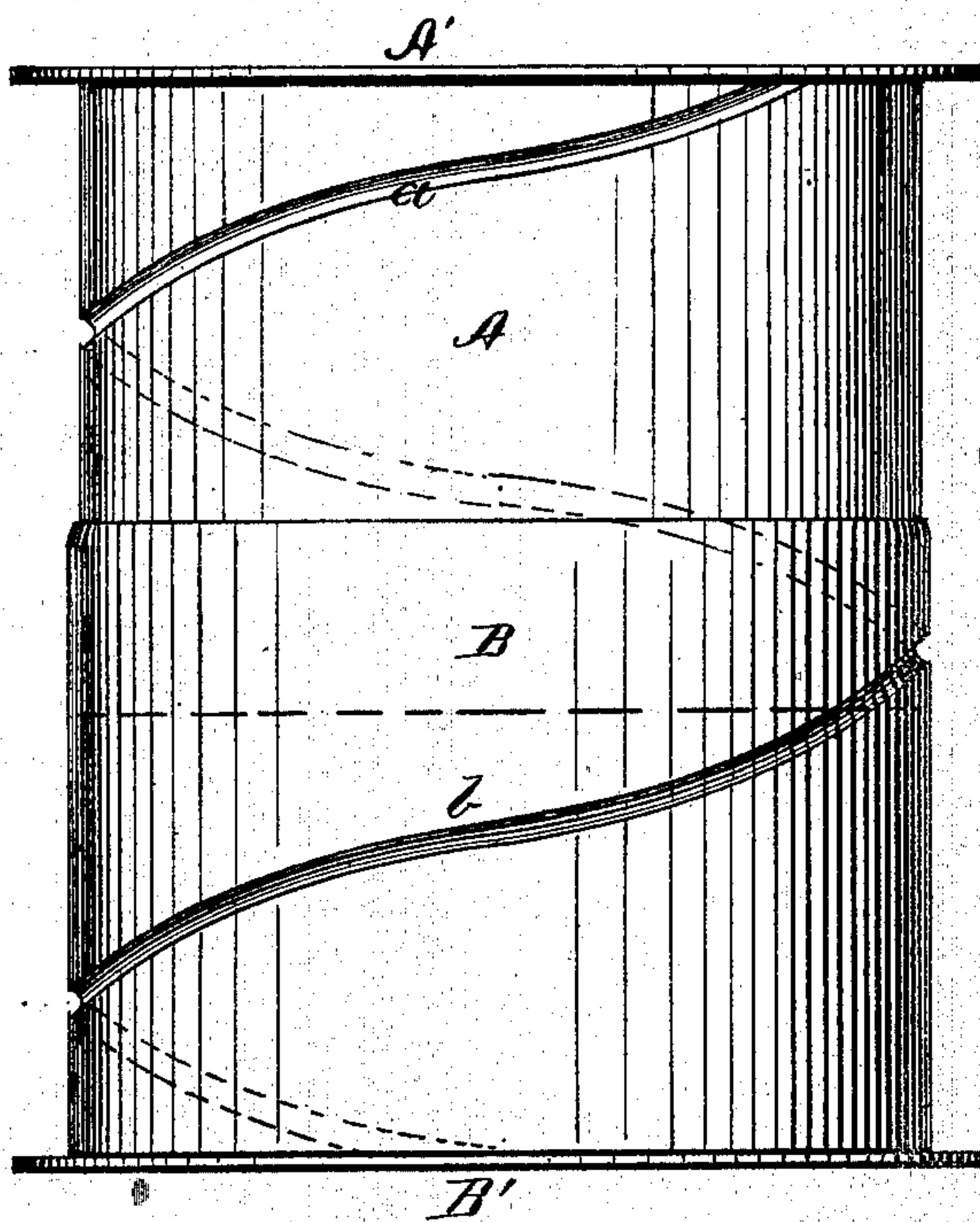
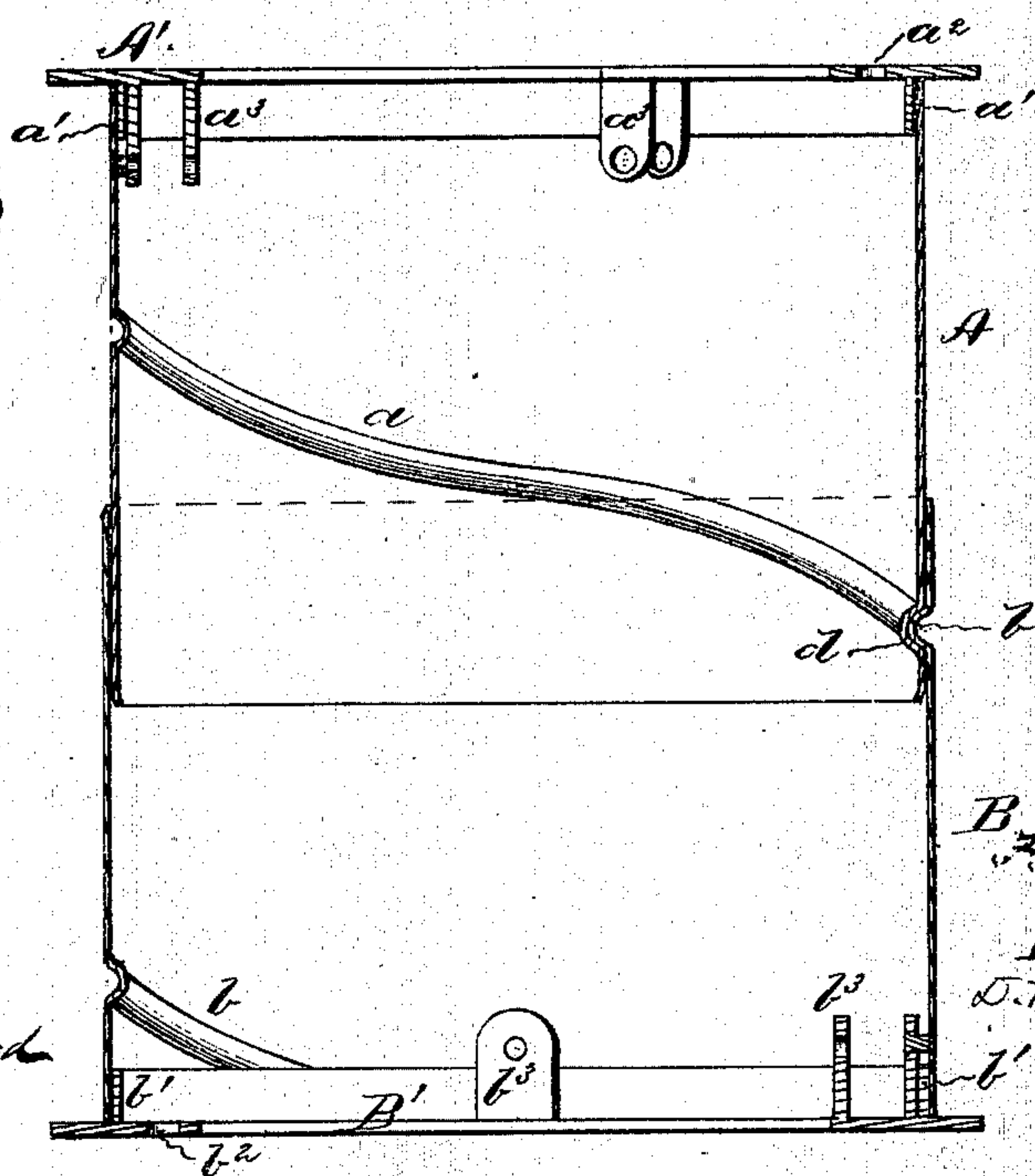


Fig 2



Witnesses
W. Bradford
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UNITED STATES PATENT OFFICE.

FREDERICK TARRANT, OF SARATOGA SPRINGS, NEW YORK.

IMPROVEMENT IN STOVE-PIPE THIMBLES.

Specification forming part of Letters Patent No. **139,210**, dated May 20, 1873; application filed March 22, 1873.

To all whom it may concern:

Be it known that I, FREDERICK TARRANT, of Saratoga Springs, in the county of Saratoga and State of New York, have invented a certain Improvement in Stove-Pipe Thimbles, of which the following is a specification:

The nature of my invention consists in a telescopic stove-pipe thimble, composed of two sections held together by interlocking spiral beads upon their respective surfaces. The outer end of each section terminates in a circumferential flange, so that when the thimble has been properly inserted in the hole of the floor, the flange of one section will bear against the under side and the flange of the other section against the upper side of the floor.

Figure 1 is an elevation of my improved stove-pipe thimble. Fig. 2 is an axial section thereof.

The two sections of the thimble consist of tin or other sheet-metal tubes, A and B, which are respectively provided at one end with flanges, A' and B', and with their other ends fitted within each other. Spiral beads or grooves, *a* and *b*, are formed in the surfaces of the tubes, adapted to interlock and prevent the tubes from slipping on each other, except by revolving one or both of them. The flanges have each a short ring, *a*¹ and *b*¹, entering the ends of the tubes, and are secured to the latter by rivets, or in any other preferred manner. The flanges project both outward and inward from the tubes, their inner diameter fitting the stove-pipe between which and the tubes

A and B an annular air-space will be formed, holes being formed in the inwardly-projecting portions of the flanges, as at *a*² and *b*², to admit of a free circulation of air, as usual. Lugs *a*³ and *b*³ are formed along the interior edges of the flanges for the attachment of additional tubes, in case they are desired.

Ordinarily, I propose to make the thimble single-walled only, in the manner shown in the drawing.

In applying the thimble, one of the sections is inserted from the under side of the floor, and the other section screwed into it from the upper side of the floor until the flanges are drawn tightly against the latter upon both sides, in which position the sections of the thimble will be securely held by the interlocking spiral beads, the flanges making a neat finish around both ends of the aperture lined with the thimble.

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

A telescopic stove-pipe thimble, the tubes A and B of which are provided at their outer ends with flanges A' and B', and have interlocking spiral beads *a* and *b*, substantially as and for the purpose specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

FREDERICK TARRANT.

Witnesses:

J. W. CRANE,
HIRAM PALMER.