

(No Model.)

J. W. WETMORE.
CHIMNEY CAP.

No. 325,032.

Patented Aug. 25, 1885.

Fig. 1.

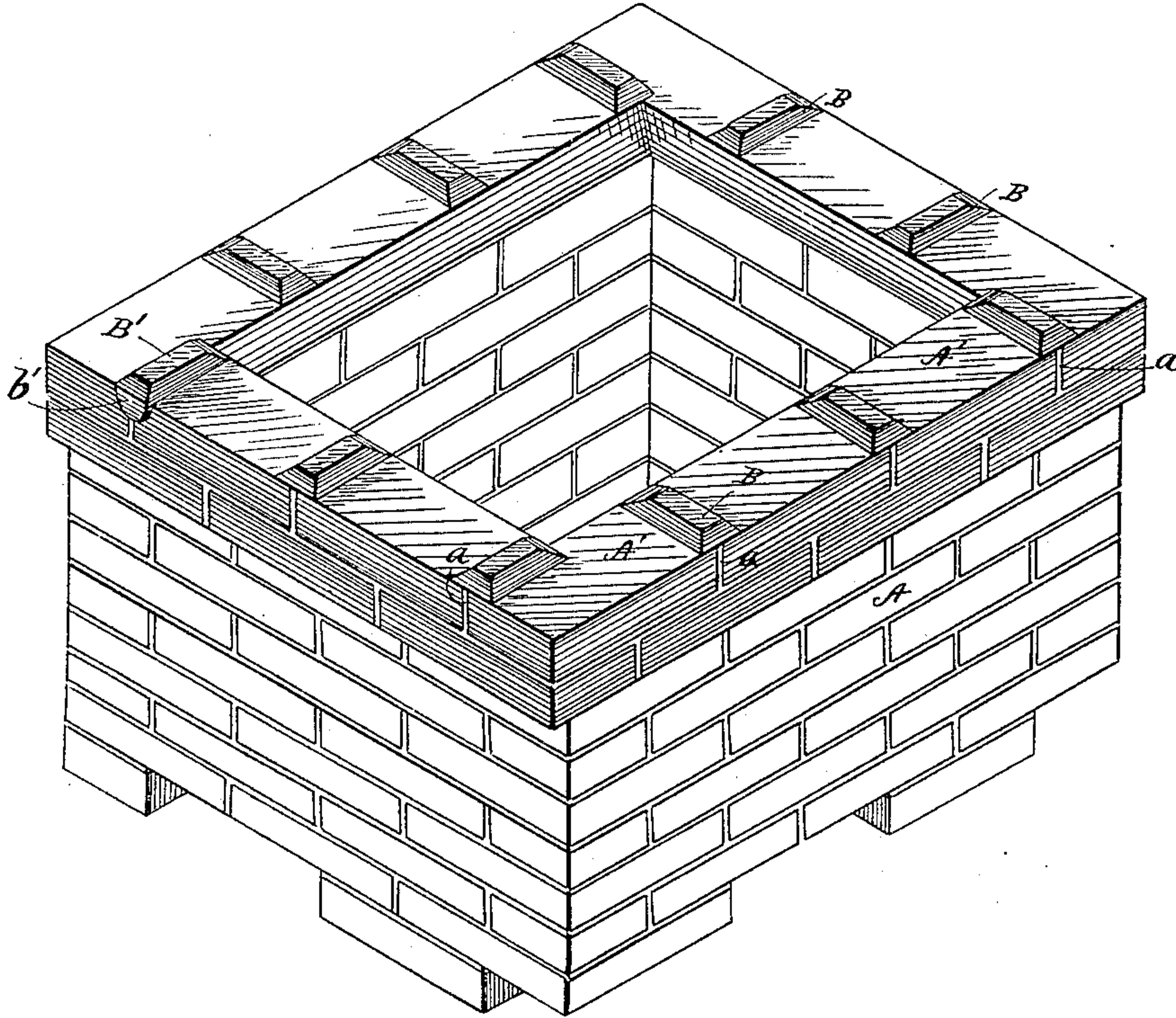


Fig. 2.

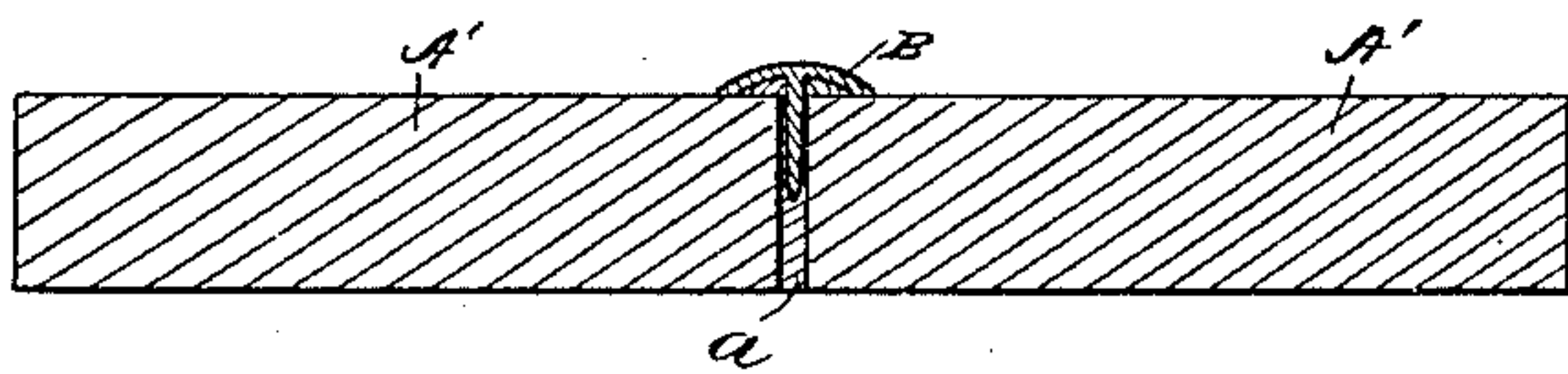


Fig. 9.

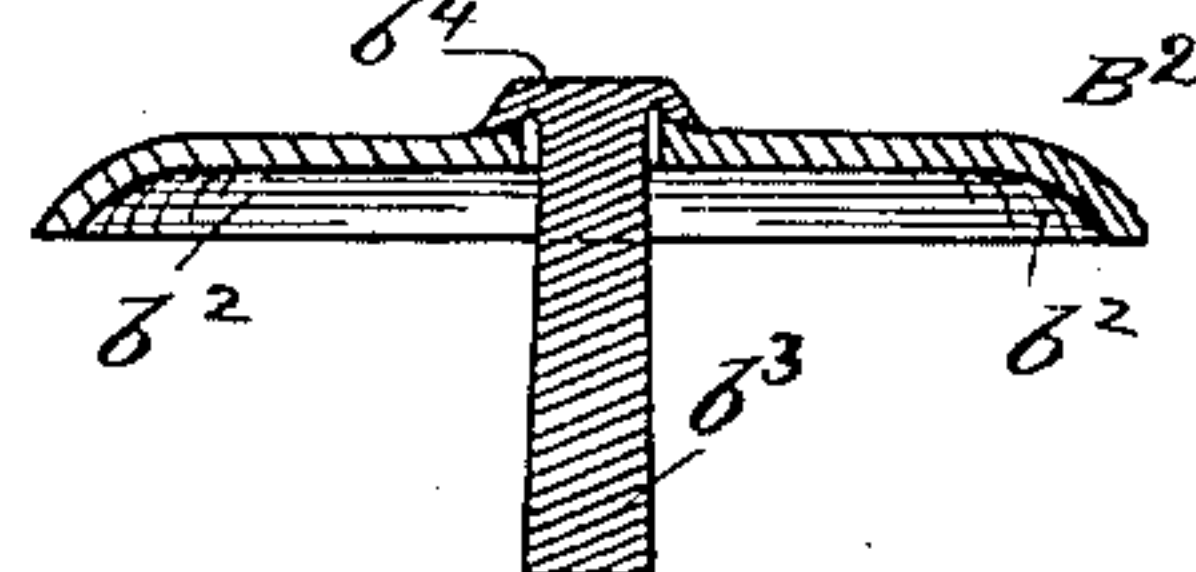


Fig. 3.

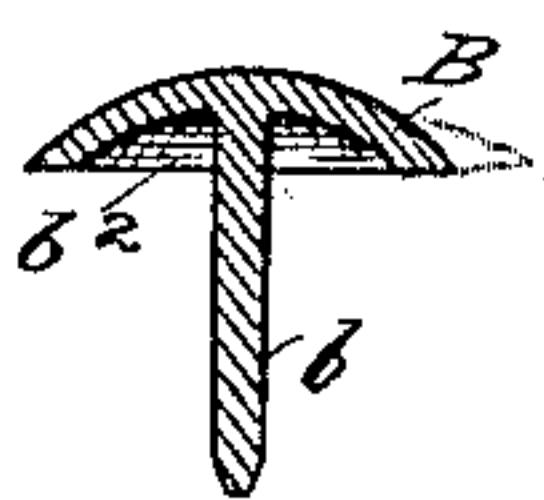


Fig. 4.

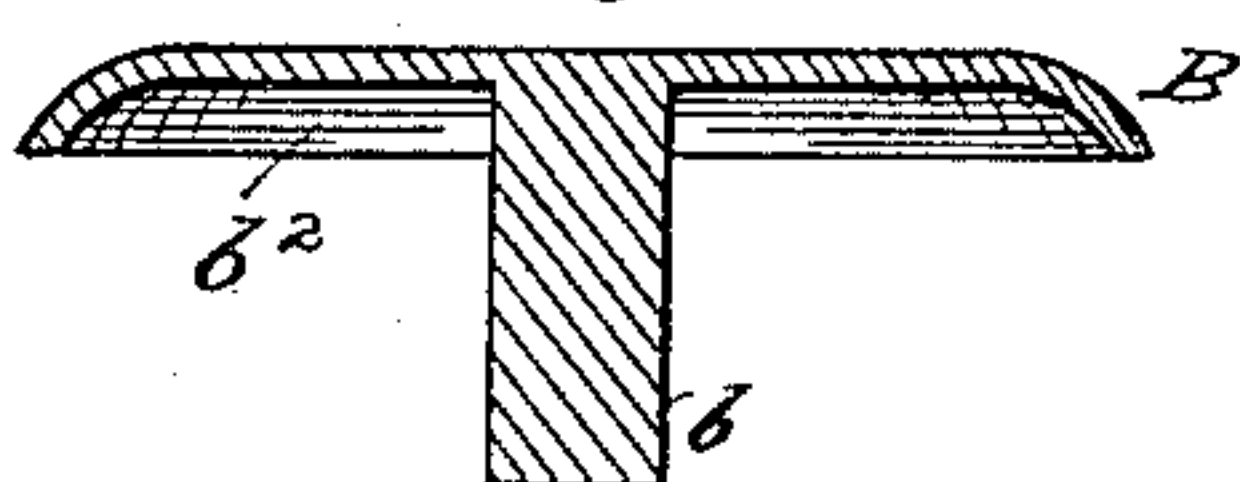


Fig. 7.

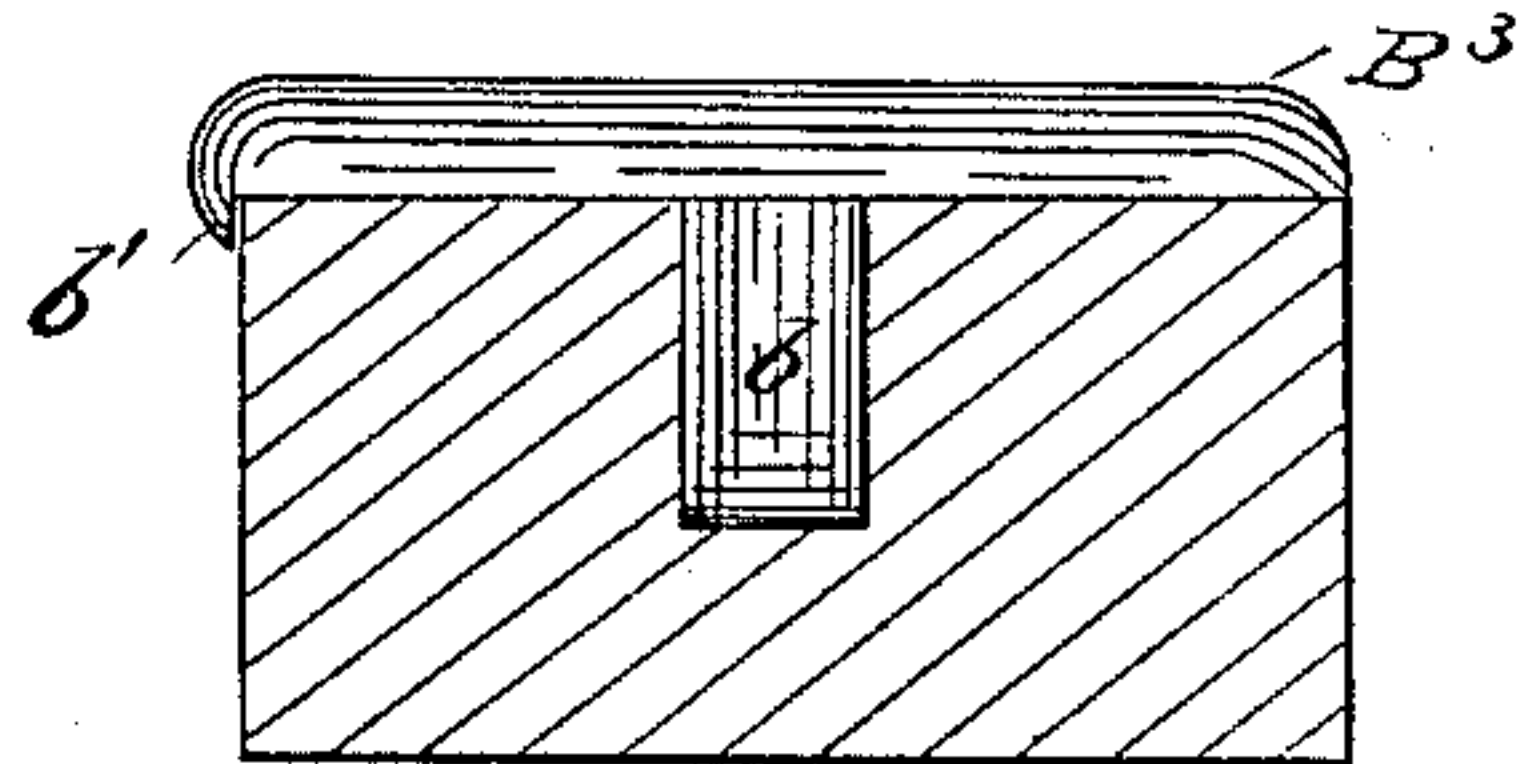


Fig. 5.

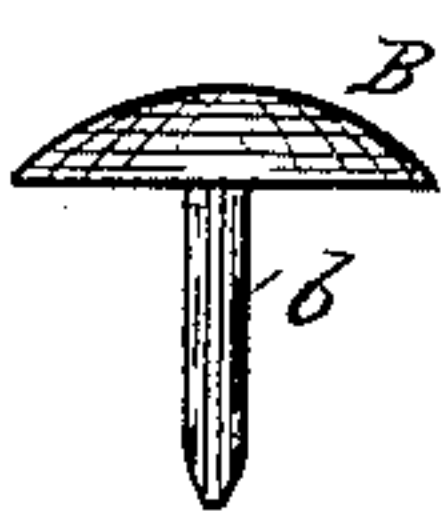


Fig. 6.

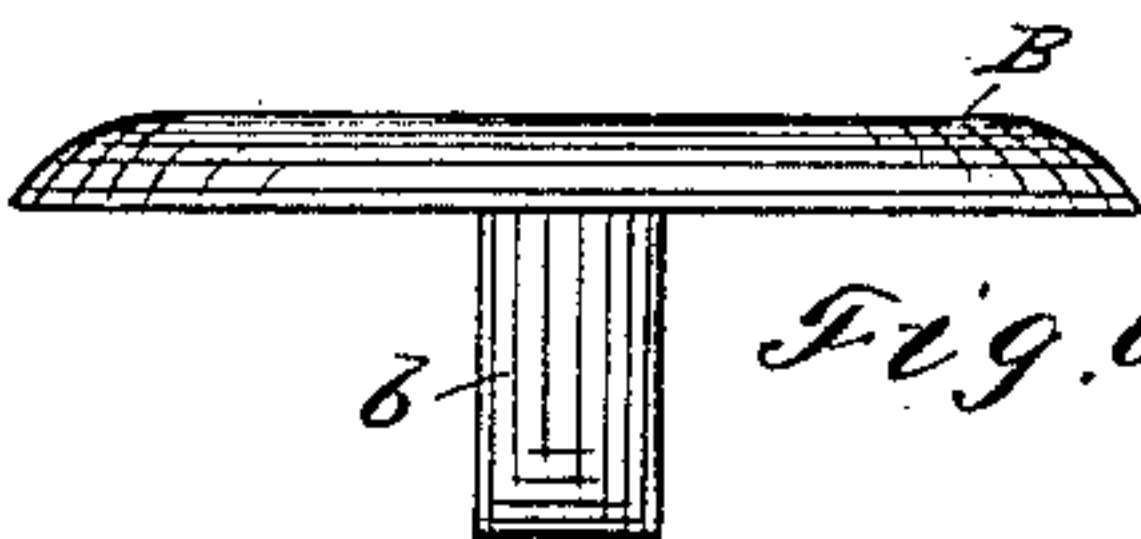
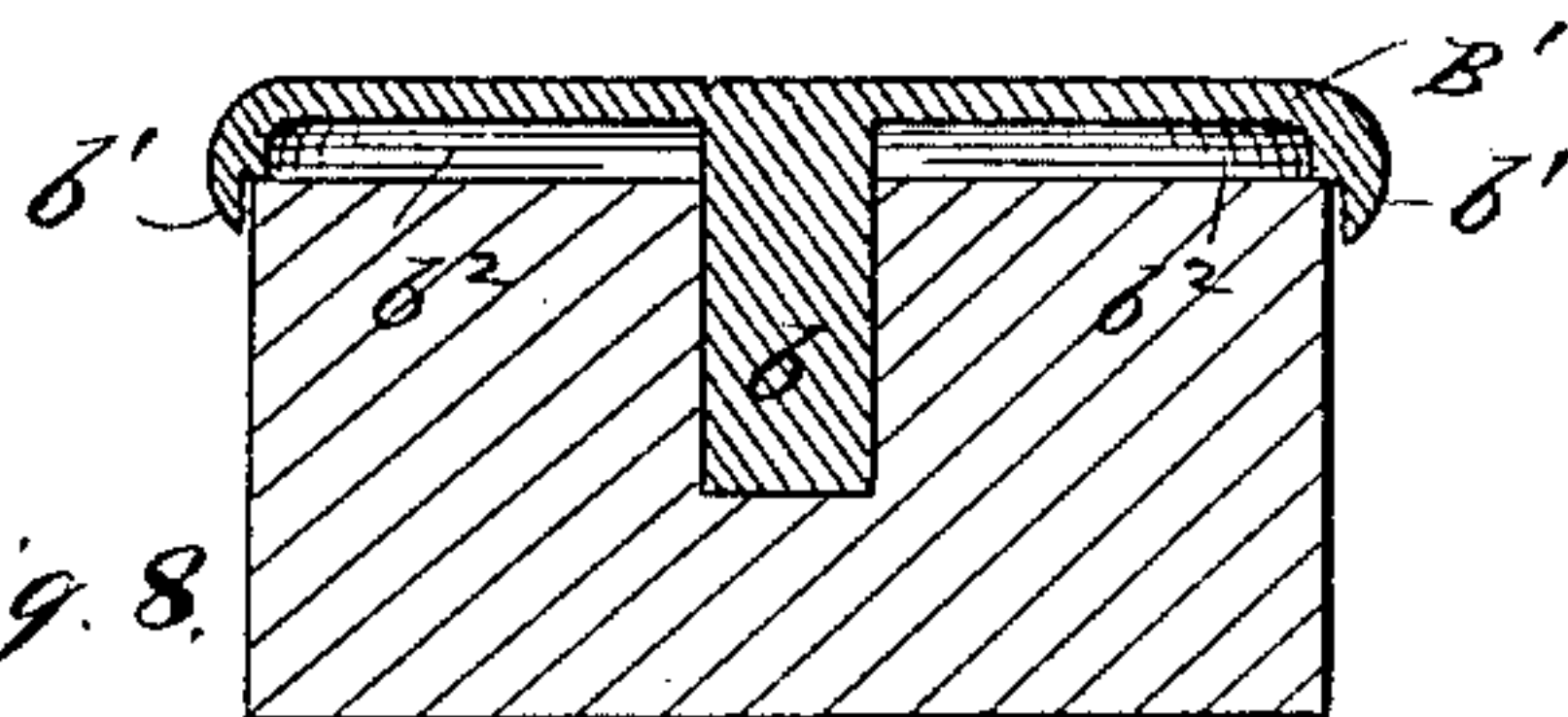


Fig. 8.



Witnesses.

W. R. Edlin.

W. H. Laughlin.

Inventor.

Jerome W. Wetmore

UNITED STATES PATENT OFFICE.

JEROME W. WETMORE, OF ERIE, PENNSYLVANIA.

CHIMNEY-CAP.

SPECIFICATION forming part of Letters Patent No. 325,032, dated August 25, 1885.

Application filed July 21, 1884. (No model.)

To all whom it may concern:

Be it known that I, JEROME W. WETMORE, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented a new and useful Improvement in the Capping of Brick Chimneys, of which the following is a specification.

My invention relates to methods of protecting the mortar-joints of the brick in the top course of the chimney from the action of the weather; and the objects of my invention are to accomplish this by having an adjustable protector over each joint, and to save the necessity of having large caps specially constructed for each chimney or set of chimneys. I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the top of a chimney with the caps in place; Fig. 2, a longitudinal vertical section through two contiguous bricks on the top of the chimney; Fig. 3, a vertical cross-section through the middle of the cap B, Fig. 1; Fig. 4, a longitudinal vertical section through the middle of cap B, Fig. 1; Fig. 5, an end view of the cap; Fig. 6, a side view of the same; Fig. 7, a side view of B', Fig. 1, resting in place on one end of a brick; Fig. 8, a cross-section through one wall of the chimney, (showing one end of a brick,) and a vertical longitudinal section through a cap similar to that in Fig. 7, but having two flanges, the second one extending a short distance down over the joint in the inside of the chimney; Fig. 9, a modification of the improvement, showing the tongue of the cap separate from the cap, and passing through an oblong aperture in the middle of the cap B².

A is the chimney; B, the cap; B', the cap with a flange, b', partially covering the outside of the joint in Fig. 1; B², the head of the cap with the aperture; B³, the same without the aperture and with the flange; b, the tongue of the cap; b², the space under the cap; b³, the loose tongue of the cap; b⁴, the head of this detached fastening; a, the joint.

The caps are made of cast-iron, earthenware, or other suitable material. They are put in place while the mortar is soft in the joints. They are about one and a half inch wide.

The space b² enables the cap to set closer on the brick, and affords room for any mortar that may be pressed out of the joint when the cap is pressed to its seat. It is also of advantage to lessen the danger from the heaving of ice under the cap.

The cap being kept in place by its weight and the projecting tongue, the disintegration of the mortar in the upper tier of brick will be prevented and the chimney preserved in the exposed portion, where its destruction begins.

I am aware that there might be, instead of one, two tongues, one near each end of the cap, or they might be placed on or through the flange b'; but the forms represented in the figures are preferable.

I make available for protecting the chimney the main part of the upper surface of the brick.

What I claim is—

1. An oblong cap for covering the joints of the brick of the upper course of a chimney-top, of a size to cover but a fraction of each of the ends of adjacent bricks, and having a broad tongue projecting down between the adjacent ends of the bricks, substantially as described.

2. An oblong cap for covering the joints of the brick in the upper course of a chimney-top, of a size to cover only small portions of the ends of adjacent bricks, constructed with an end flange which projects down on the joint, and with a broad tongue projecting down from the under side into the mortar between the ends of two adjacent bricks, substantially as described, for the purpose specified.

JEROME W. WETMORE.

Witnesses:

WM. P. HAYES,

W. H. CAUGHEY.