

P. H. CARLIN.

Adjustable Chimney-Cap.

No. 132,249.

Fig. 1.

Patented Oct. 15, 1872.

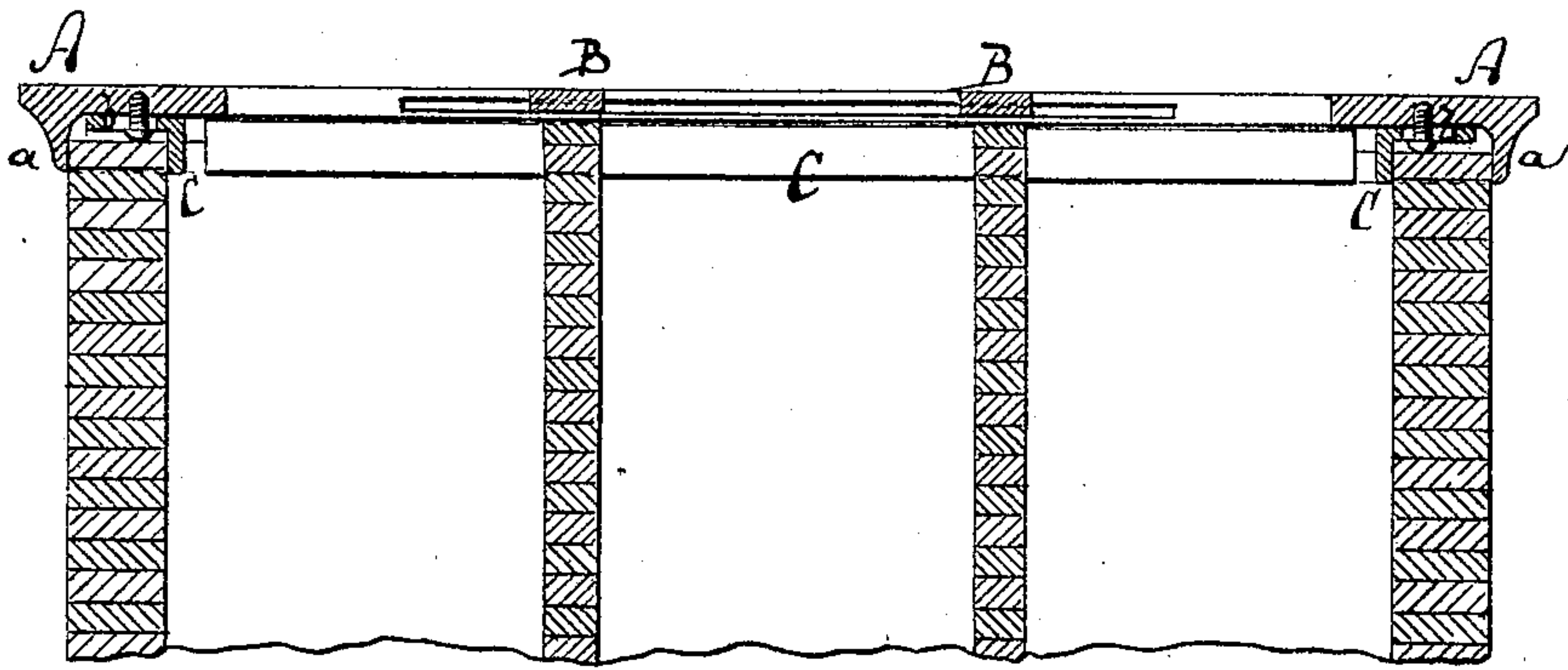
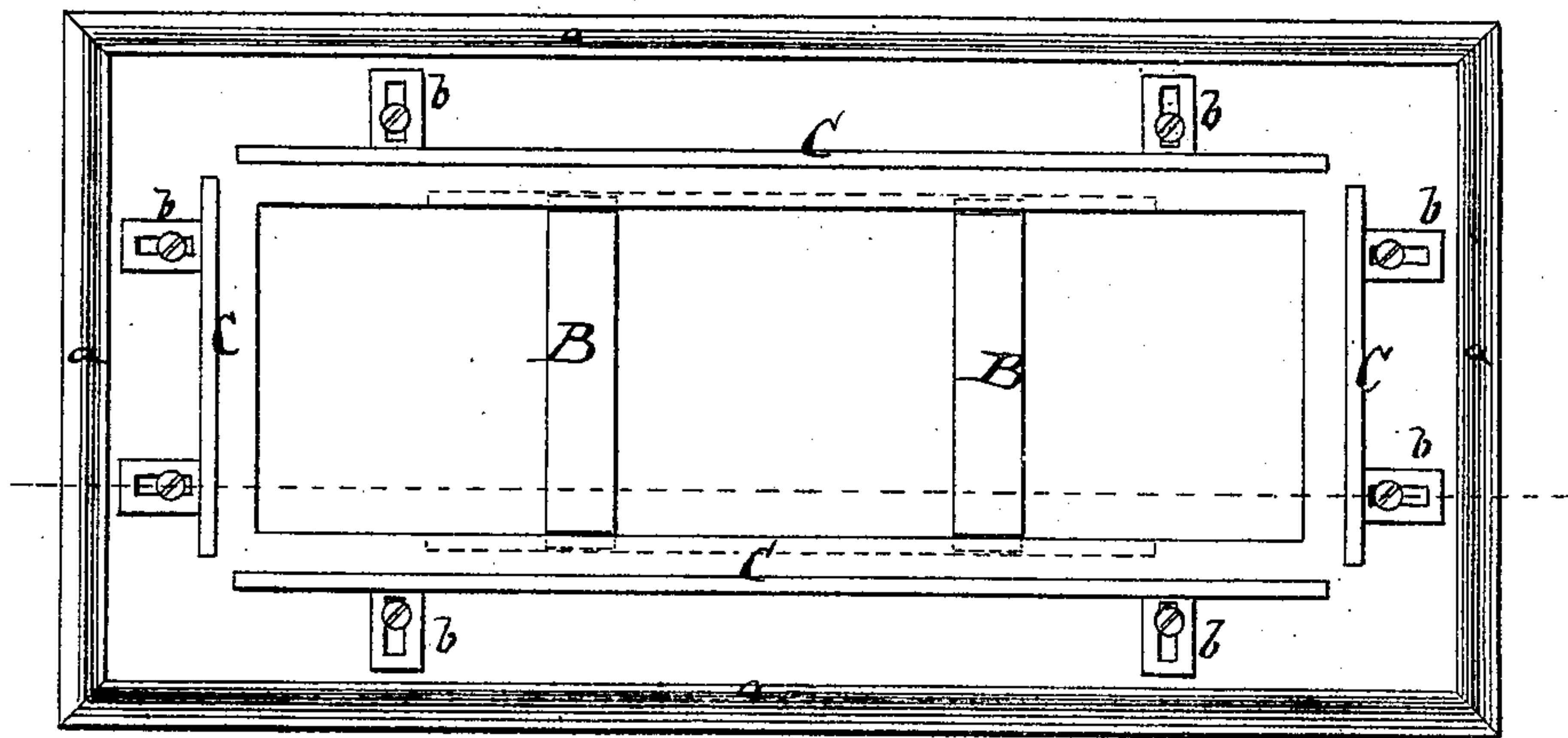


Fig. 2.



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IMPROVEMENT IN ADJUSTABLE CHIMNEY-CAPS.

Specification forming part of Letters Patent No. 132,249, dated October 15, 1872.

To all whom it may concern:

Be it known that I, PATRICK H. CARLIN, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Chimney-Cap, of which the following is a specification:

Figure 1 is a vertical longitudinal section of my improved chimney-cap. Fig. 2 is a bottom view of the same.

Similar letters of reference indicate corresponding parts.

This invention has for its object to produce a metallic chimney-cap or covering for the tops of chimneys in place of the blue-stone or other stone or brick caps heretofore used, and thereby to increase the strength and durability of chimneys, and reduce the possibility of their crumbling to pieces. The invention consists in the use of a metallic top having adjustable ledges to fit any thickness of walls, and adjustable cross-pieces to fit any position of flues, as hereinafter more fully described.

A in the drawing represents a plate of cast metal with a pendent flange, *a*, around its edge. This plate, of the shape of the chimney to be covered, is slightly larger than the chimney, so that the flange *a* will embrace and fit the outer face thereof, as shown in Fig. 1. The inner portion of the plate is open to allow the smoke to escape through the flues, and is provided with cross-pieces B B, which cover the walls between the flues. These cross-pieces are, with their ends, fitted in grooves on the inner edges of the perforated plate A, and can therein be adjusted more or less laterally, so as to cover the walls between the flues in whatever position they may be. The adjustment of the plates B, and their support on the plate A, may also be obtained by other means, such as by slots in B and pins on A, or otherwise. The plate A may also be divided longitudinally across its opening when there are two or more rows of flues in the

chimney which are to be covered. To the under side of the plate A are fastened, by means of slotted ears *b b*, pendent plates, which are parallel with the side and end flanges *a a*. These pendent plates lap against the inner faces of the outer chimney-walls, as shown in Fig. 1, and serve, together with the flanges *a*, to secure the cap in place on the chimney. The adjustability of these pendent plates C on the plate A is necessary on account of the varying thickness of the chimney-walls, which are hardly ever exactly alike.

I propose to manufacture plates A of the kind above described, or substantially like it, in varying sizes and shapes, to suit and fit the chimneys most commonly made, so that the builders can, from an assortment of such plates, pick out those which will fit the chimneys of their houses.

The invention is applicable not only to new chimneys but to those already in use. At present the chimney-caps are made of stone, and perforated to admit the smoke through the flues. Such stones are very costly, owing to the manual labor required in their formation. If made cheaper by being composed of several parts they are apt to crumble to pieces, owing to the destructibility of the cement used in joining the pieces.

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

1. The plate A, provided with the flanges *a* and the adjustable pendent plates C, as set forth.

2. The adjustable plates B B, arranged within the metallic chimney-cap A, substantially as and for the purpose herein shown and described.

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Witnesses:

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