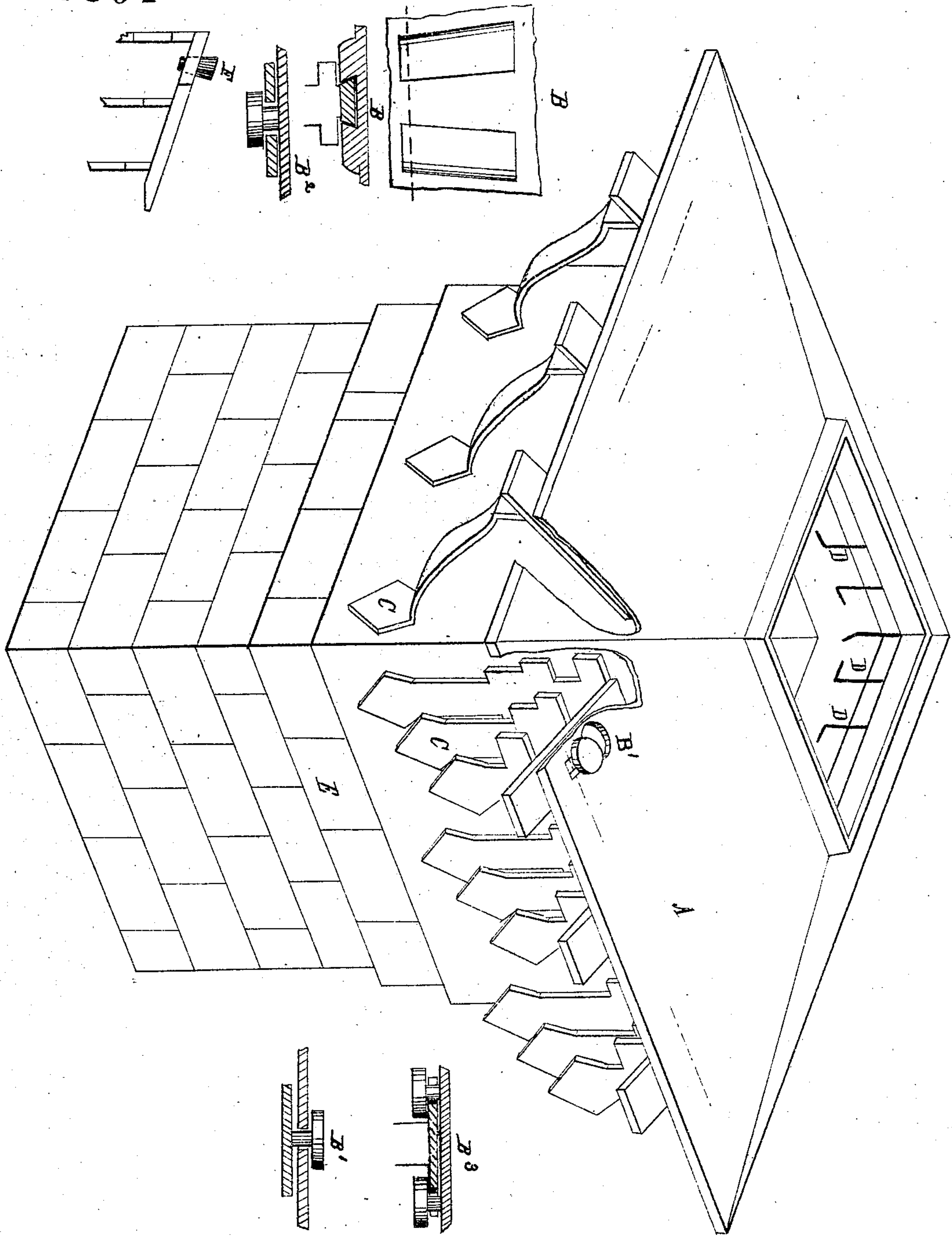


Walter J. Pettingell. PATENTED JUL 11 1871
 116864 Improved Chimney Cap.



Witnesses.
 Albert M. Moore.
 Abel T. Arthur.

Inventor.
 Walter J. Pettingell

UNITED STATES PATENT OFFICE.

WALTER J. PETTINGELL, OF LOWELL, MASSACHUSETTS.

IMPROVEMENT IN CHIMNEY-CAPS.

Specification forming part of Letters Patent No. 116,864, dated July 11, 1871.

To all whom it may concern:

Be it known that I, WALTER J. PETTINGELL, of Lowell, in the county of Middlesex and Commonwealth of Massachusetts, have invented certain Improvements in Chimney-Caps, of which the following is a specification:

My invention relates to the construction of chimney-caps and brackets in such a manner that the latter may be readily attached to the former without the use of bolts or screws.

The accompanying drawing represents my invention, showing the different methods of attaching brackets to caps.

A is the chimney-cap, broken at one corner, showing the brackets in position. B B B¹ B² B³ are the different methods of securing the brackets to the cap. C C are the brackets attached to the chimney-cap. D D are the projections on the under side of the cap, for the purpose of holding the cap to the chimney by means of said projections being embedded in the mortar. E is the chimney. F is a piece of cork or other equivalent inserted in a hole in the bracket and intended to retain the bracket in its place until after the cap is placed on the chimney. The chimney-cap is cast with a dovetail on its under side to receive the upper part of the bracket, as shown at B B, or with a straight slot with a round hole at one end, B¹, which receives a button cast upon the upper side of the bracket, or the cap may be cast with a button depending from its lower surface, as at B², which button is received into a slot on the upper part of the bracket, shaped exactly like the one last mentioned, or the upper part of the bracket slides between two buttons, as at B³, cast on the under side of the cap. In the first and last cases above described the bracket is provided with a

shoulder, which prevents the bracket from becoming detached from the cap.

The method shown at B¹ of attaching the brackets is considered of less value than the others herein described, as it allows the water to run through the cap upon the bracket, thereby exposing the same to the action of the weather. This objection can also be urged with equal force against all chimney-caps to which brackets are attached by screws or bolts passing through the same, while the brackets are attached much more readily by my method than by screws or bolts. In the other methods herein described the brackets are not exposed to rain or snow. The brackets may be secured in their places under the cap while the cap is being placed upon the chimney by the device, as shown at F, which device consists in placing a piece of cork, rubber, or some other elastic substance between the bracket and the under side of the chimney-cap. The projections D D, for securing the cap to the chimney, consist of curved or straight wires cast into the chimney-cap, or they may be screwed into the cap, and may come inside of the chimney or outside of the same, or between the bricks.

I do not claim a bracketed chimney-cap as a new article of manufacture, as various kinds of the same have been in use for years; but

What I do claim is—

The construction and arrangement of the chimney-cap A having either slots or buttons, in combination with the brackets C C, said brackets being made in such a manner as to be adjustable in their places upon the cap, as set forth.

WALTER J. PETTINGELL.

Witnesses:

ABEL T. ATHERTON,
ALBERT M. MOORE.