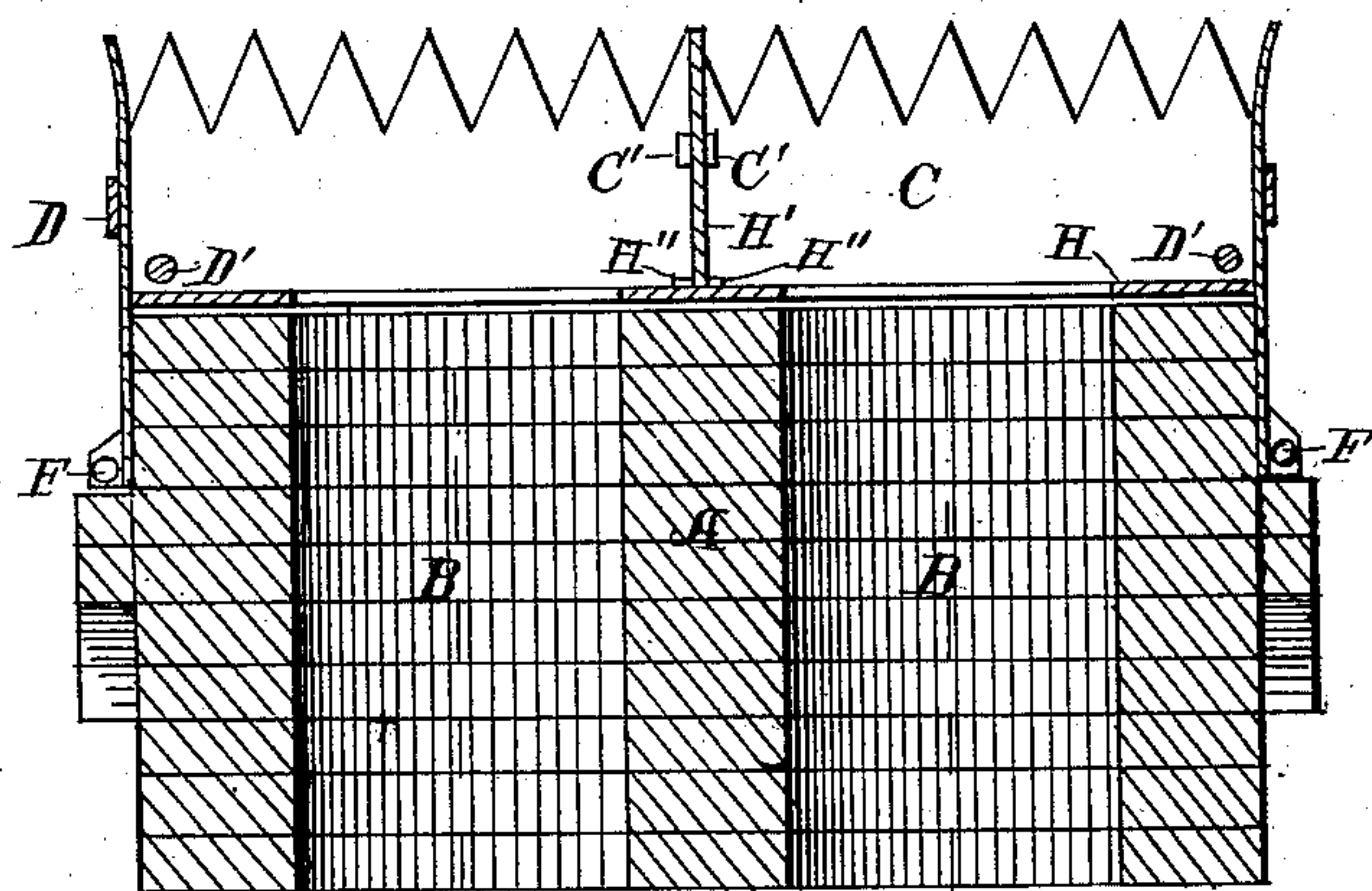
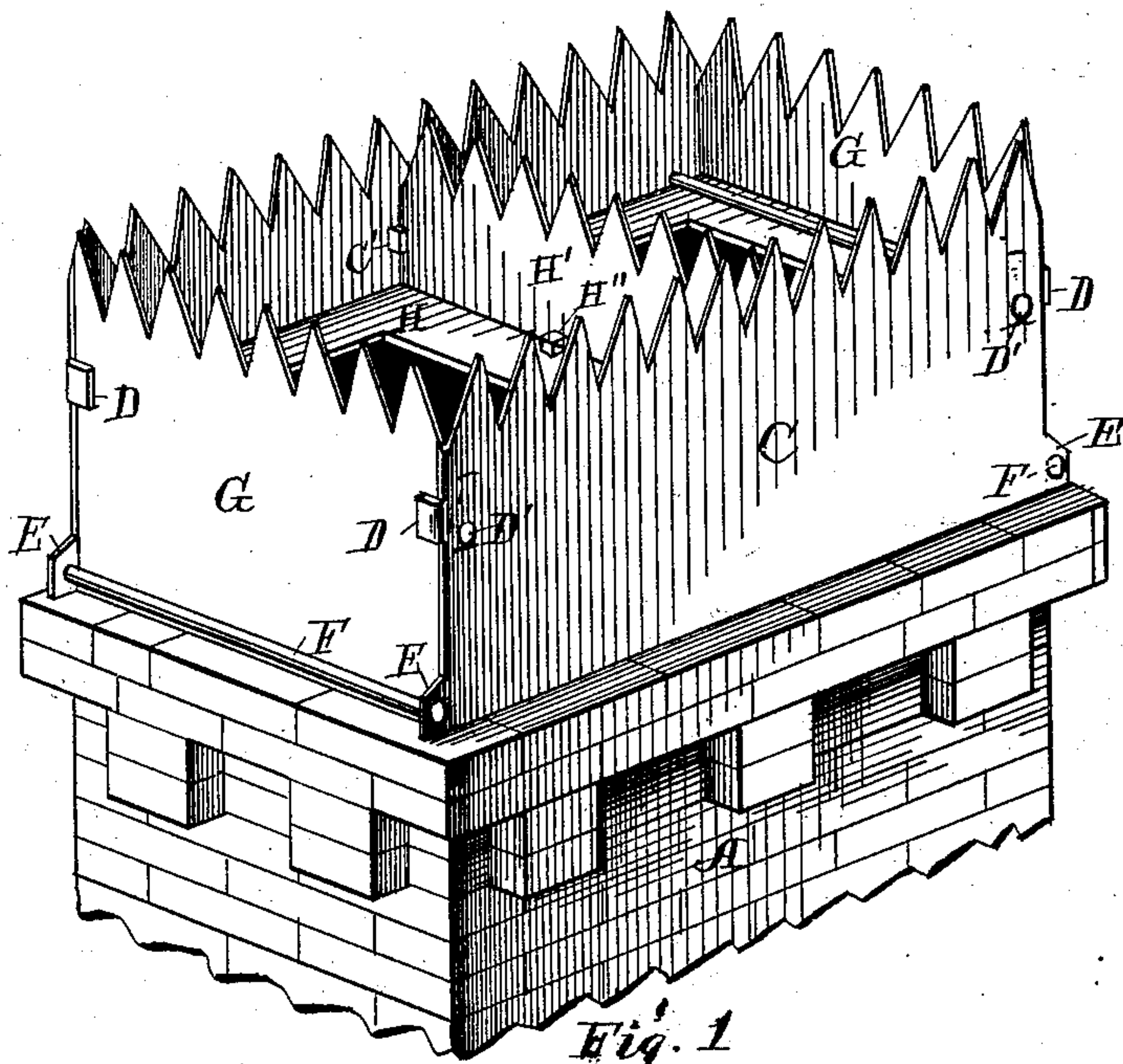


(No Model.)

J. BORLAND.  
CHIMNEY CAP.

No. 258,982.

Patented June 6, 1882.



Witnesses:  
O. J. Pailey  
R. L. Gerbe.

Inventor:  
Joseph Borland  
by J. S. Zerbe  
Atty.



# UNITED STATES PATENT OFFICE.

JOSEPH BORLAND, OF VALENCIA, PENNSYLVANIA, ASSIGNOR OF ONE-HALF TO WILLIAM E. ROSS, OF SAME PLACE.

## CHIMNEY-CAP.

SPECIFICATION forming part of Letters Patent No. 258,982, dated June 6, 1882.

Application filed March 23, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH BORLAND, of Valencia P. O., in the county of Butler and State of Pennsylvania, have invented a new  
5 useful Improvement in Chimney-Caps, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective elevation of the  
10 improved chimney-top protector, and Fig. 2 is a central vertical sectional view of the same.

The object of my invention is to provide an improved cap for the tops of chimneys; and it consists in so arranging the said cap that it  
15 may readily be taken apart for shipment, and when desired to be attached to the chimney any mechanic can adjust it, as will be herein-after more fully set forth.

In the accompanying drawings, A represents  
20 the ordinary chimney, having in this instance two flues, B B.

C represents one of the side plates forming one side of the cap. This is made the proper length for the side of the chimney and provided on the upper end with suitable ornamentation. The plate is preferably made of  
25 metal, such as zinc, sheet metal, or similar material. At each end is a lip or flange, D, which is adapted to be bent inward at right angles. This lip is preferably located near the  
30 top. At the bottom, on each end, is also a lip or flange, E, provided with a hole to receive a cross binding-rod, F, as shown. In close proximity to the upper flange, D, is also a hole  
35 through the plate C, which receives a similar cross binding-rod, D'. These rods D' F may be screw-threaded at the ends and provided with nuts; or they may be riveted when the cap is placed in position.

G represents the end plates, also suitably ornamented at the top. These end plates are equal in length to the thickness of the chimney, and simply have their ends abut against the side plates, C. Thus it will be observed  
40 that the flanges or lips D lap over on the outside of the plates G, while the cross-tie rods D'

are on the inside of the said end plates. Thus the upper ends of the end plates are firmly held. The lower ends of the plates G are held in position by the cross-tie rods F on the outside, while the chimney itself holds it firmly  
50 on the inside.

H represents a horizontally-disposed plate of even size with the top of the chimney A. It thus fits snugly down within the four outer  
55 plates, C G, and rests on the top of the chimney. It is provided with openings to correspond with the chimney-flues. Centrally are two lugs, H'', as shown. The side plates on the inner sides, midway between the ends, are  
60 also provided with the lugs C', between which lugs a central cross-partition plate, H', is placed. Cross-rods similar to rods D' may also be placed by the side of the central partition, if desired.

The cap thus made can be cheaply constructed and readily be put on chimneys.

The advantages of chimneys equipped in this manner are manifold, among which may be named the following: First, it is used as a  
70 wind-brake where stacks or clay pipes are not used, the object being to keep wind from driving the smoke down the flues; second, the metal plates, covering the entire top and secured by cross-bolts, will be a permanent and  
75 safe protection to the top of the chimney, giving room for ornamental work to beautify the appearance of the building.

Having described my invention, what I claim is—

In chimney-caps, the side pieces, C, having the lips D E, with the cross-pieces G H', horizontal plate H, lugs C' H'', and tie-rods D' F, substantially as and for the purpose herein  
80 shown.

In testimony that I claim the foregoing I have hereunto set my hand this 16th day of March, 1882, in the presence of witnesses.

JOSEPH BORLAND.

Witnesses:

J. C. BARTLEY,  
JAMES S. KERR.