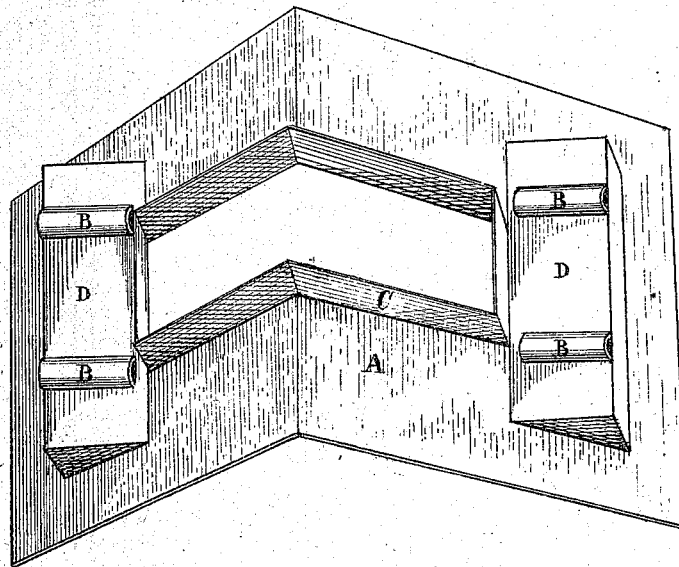


JOSEPH H. CONGDON.  
Improvement in Chimney-Collars.

No. 115,168.

Patented May 23, 1871.

Fig. 1.



Witnesses, *Peter F. Hughes*  
*Charles E. Spencer*

*Joseph H. Congdon* Inventor.

## UNITED STATES PATENT OFFICE.

JOSEPH H. CONGDON, OF COVENTRY, ASSIGNOR TO HIMSELF AND BENJAMIN C. ALLEN, OF WARWICK, RHODE ISLAND.

## IMPROVEMENT IN CHIMNEY-COLLARS.

Specification forming part of Letters Patent No. 115,168, dated May 23, 1871.

*To all whom it may concern:*

Be it known that I, JOSEPH H. CONGDON, of the town of Coventry, in the county of Kent and State of Rhode Island, have invented a new and useful Improvement in Chimney-Collars; and I do hereby declare that the following specification, taken in connection with the drawing making a part of the same, is a full, clear, and exact description thereof, in which—

Figure 1 represents a perspective view of my improvement, showing the upper surface.

My invention consists in forming a metallic plate to be inserted in a chimney for the purpose of conducting water from the inside of the flue, and preventing leakage from the outside of the chimney around that portion of the roof of a house where it passes through.

To enable others skilled in the art to manufacture and use my invention, I will proceed to describe its construction and operation.

Fig. 1 represents one form of chimney-collar, which would be applicable to a peaked-roofed house.

A is a metallic plate, bent to the appropriate shape for the slant of the roof, and made with raised caps D D to fit the square of the chimney. A hole is made through the center with a flange, C, formed on its edges; this hole, being smaller than the flue of the chimney to which it is to be applied, brings the flange C a short distance inside, forming a trough to catch the water, in stormy weather, that is driven through the pores of the bricks or runs down the inside of the chimney-top. B B are tubes or outlets made on the raised caps D D, and in position to extend from the flue of the chimney to its outside. As plate A is

made larger than the breadth of the chimney the extended portion is lapped upon the roof of the house, thus preventing leakage around the outside of the chimney, and leading off the water that is discharged through the tubes B B.

The apparatus can be applied to any chimney by rebuilding the top, or by raising that portion of the brick structure with jackscrews.

The advantages of my improvement are, when building new chimneys it can be inserted with less trouble than the ordinary way, and can be made water-tight without the use of lead-flashings or paint-skins, the brick superstructure being laid in mortar upon the raised caps D D, and plate A insures its retention in position as strong as any part of the chimney, the mortar or cement in which the bricks are laid adhering to the plate as well as to a course of bricks.

I am aware chimney-collars have been made and used before my invention in stopping the leakage of chimneys. My improvement relates to the inside flange C, in connection with the outlets B B, plate A, and raised caps D D.

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

The flange C, in connection with the outlets B B, and in combination with plate A and raised caps D D, substantially as described, for the purpose specified.

JOSEPH H. CONGDON.

Witnesses:

PETER F. HUGHES,  
CHARLES L. SPENCER.