(No Model.)

J. WOCK.

WATER CONDUCTOR STRAINER.

No. 428,581. Patented May 20, 1890.

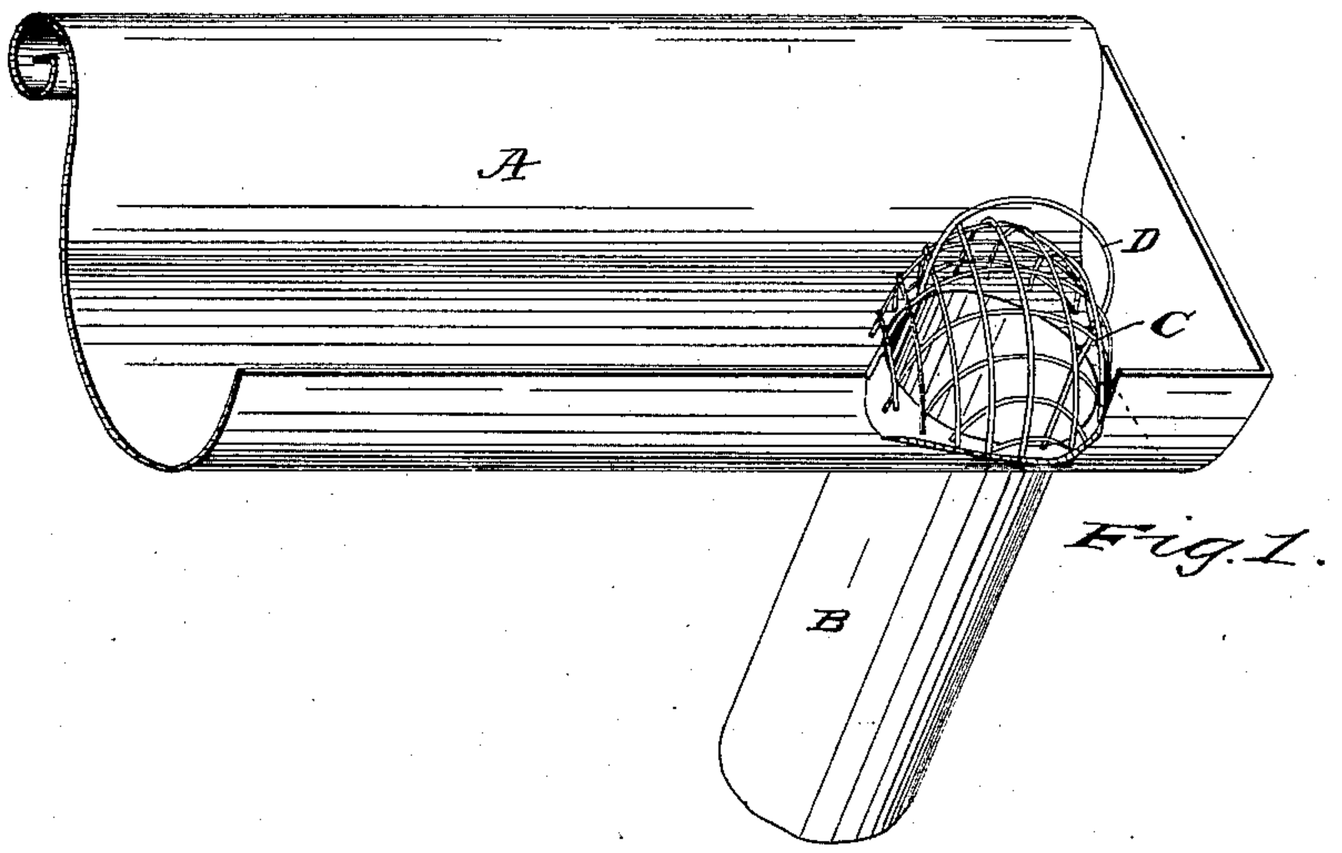

Fig. 1.

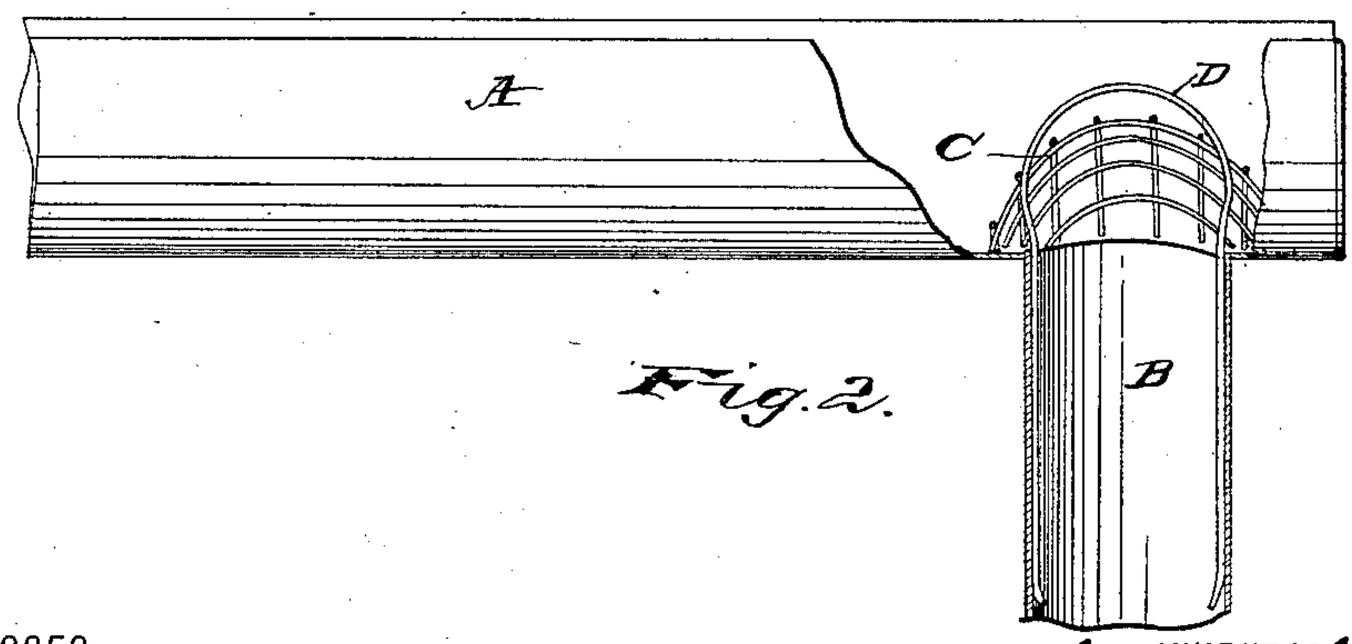

Fig. 2.

WITNESSES:

E. J. Kane

A. J. Fulmer

INVENTOR

John Wock

BY Bond & Wise

ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN WOCK, OF CANTON, OHIO, ASSIGNOR TO THE CANTON STEEL ROOFING COMPANY, OF SAME PLACE.

WATER-CONDUCTOR STRAINER.

SPECIFICATION forming part of Letters Patent No. 428,581, dated May 20, 1890.

Application filed January 24, 1890. Serial No. 337,967. (No model.)

To all whom it may concern:

Be it known that I, JOHN WOCK, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented certain new and useful Improvements in Water-Conductor Strainers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon, in which—

Figure 1 is a view showing my improved strainer placed in proper position. Fig. 2 is a longitudinal section of the water-conductor pipe, showing the location of the strainer and its retaining-spring.

The present invention has relation to water-conductor strainers; and it consists in the different parts and combination of parts hereinafter described, and particularly pointed out in the claim.

Similar letters of reference indicate corresponding parts in each figure on the drawings.

In the accompanying drawings, A represents a portion of an eaves-trough, which is constructed in the ordinary manner and is attached to the eaves of a building in the ordinary manner.

B represents the conductor-pipe, which is attached and supported in the usual manner.

C represents the strainer, which is composed of wire netting or gauze, and is preferably formed conical, its face conforming substantially to the form of the eaves-trough, the base of the strainer being somewhat larger in diameter than the diameter of the water-conductor pipe B, so as to form a support for the strainer.

For the purpose of removably attaching the strainer C to the eaves-trough proper the U-shaped spring D is provided, which spring is substantially of the form shown in the drawings, and, as shown, the ends of said spring are passed through the strainer and into the top or upper end of the conductor-pipe B a sufficient distance to securely hold the strainer C in proper position. The spring D is so formed that when it is placed in the water-conductor pipe the portion of said spring striking or bearing against the inner side or portion of the conductor-pipe B will press against the sides of said water-conductor pipe, thereby holding the strainer C firmly in proper position.

For the purpose of easily entering the spring D into the top or upper end of the water-conductor pipe the ends of said spring are curved inward, as illustrated in Fig. 2.

It will be seen that one or more of the wires forming the strainer C may be extended downward upon opposite sides of said strainer and such extended wires entered into the conductor-pipe B.

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

The combination of the eaves-trough A and a conductor-pipe, the strainer C, formed of wire netting or gauze and fitted to the bottom of the trough A, and the U-shaped spring D, passing through said wire netting or gauze and into the top or upper end of the conductor-pipe, substantially as and for the purpose set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JOHN WOCK.

Witnesses:
FRED W. BOND,
L. C. WISE.