

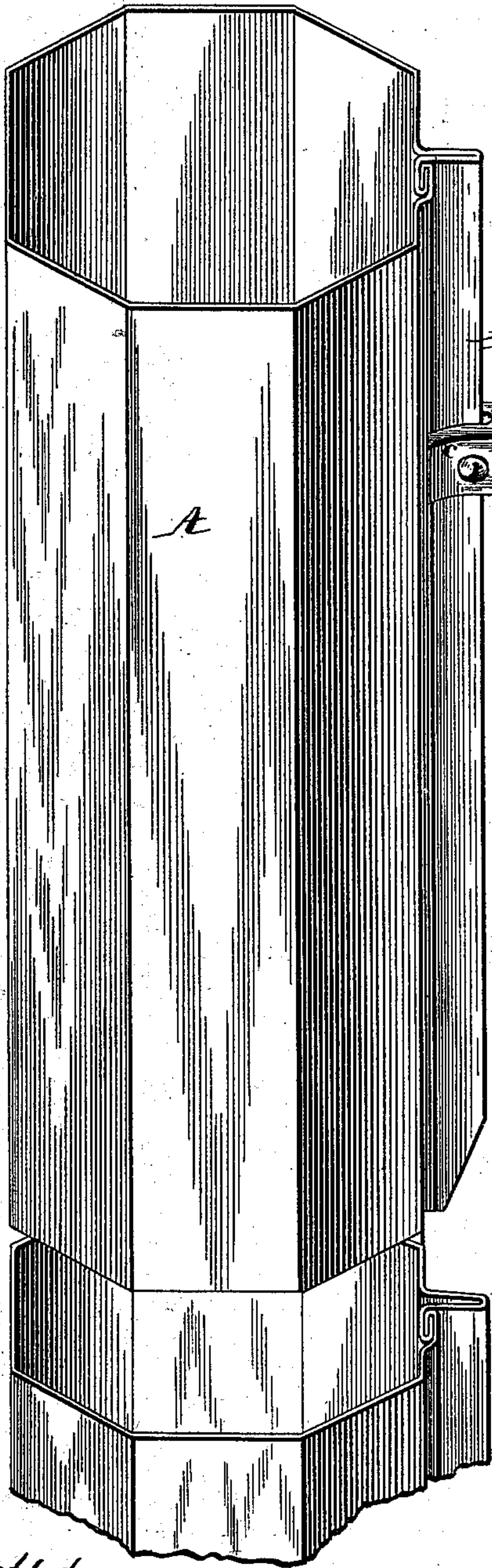
(No Model.)

J. DAVIS.  
SUPPORT FOR WATER CONDUCTORS.

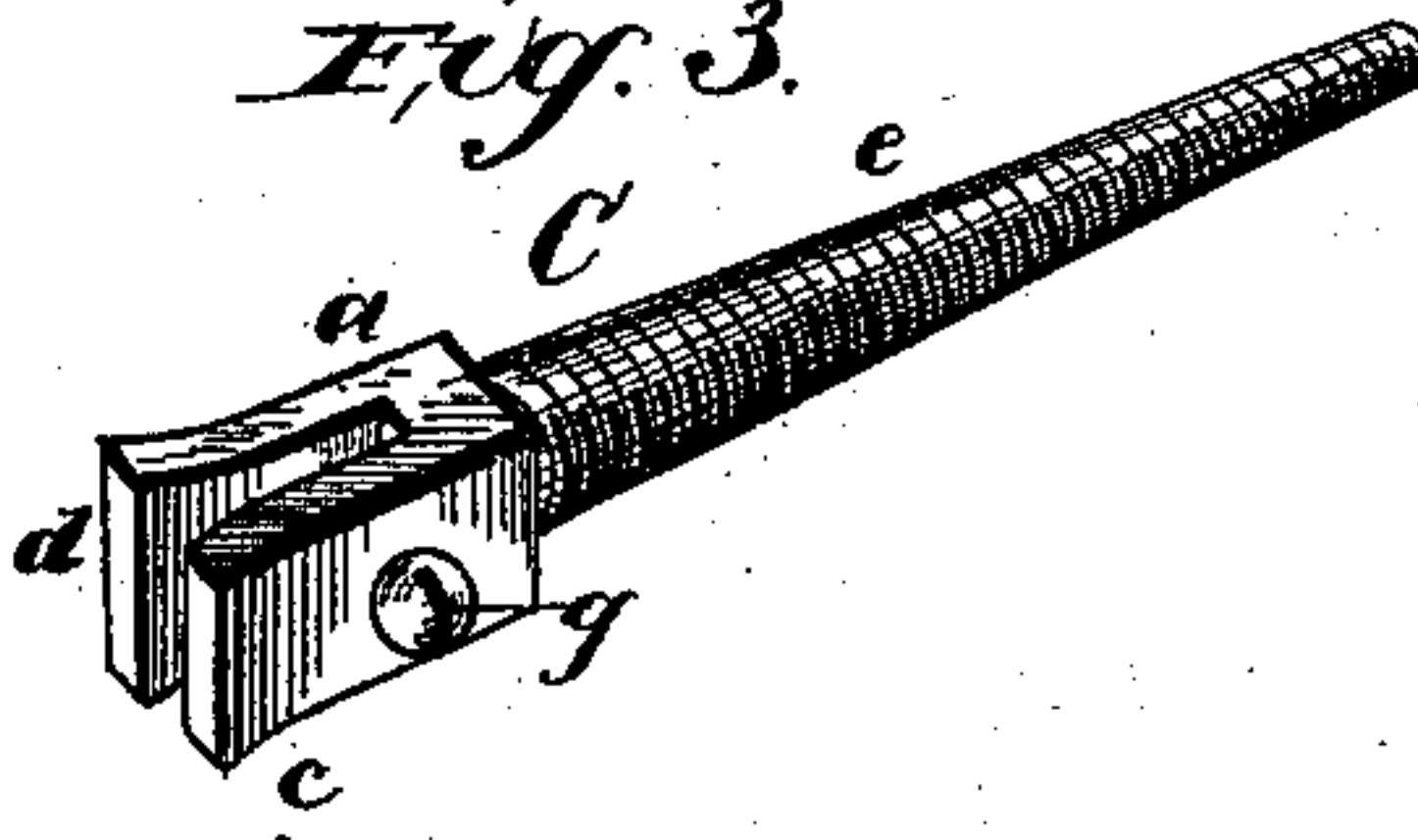
No. 402,003.

Patented Apr. 23, 1889.

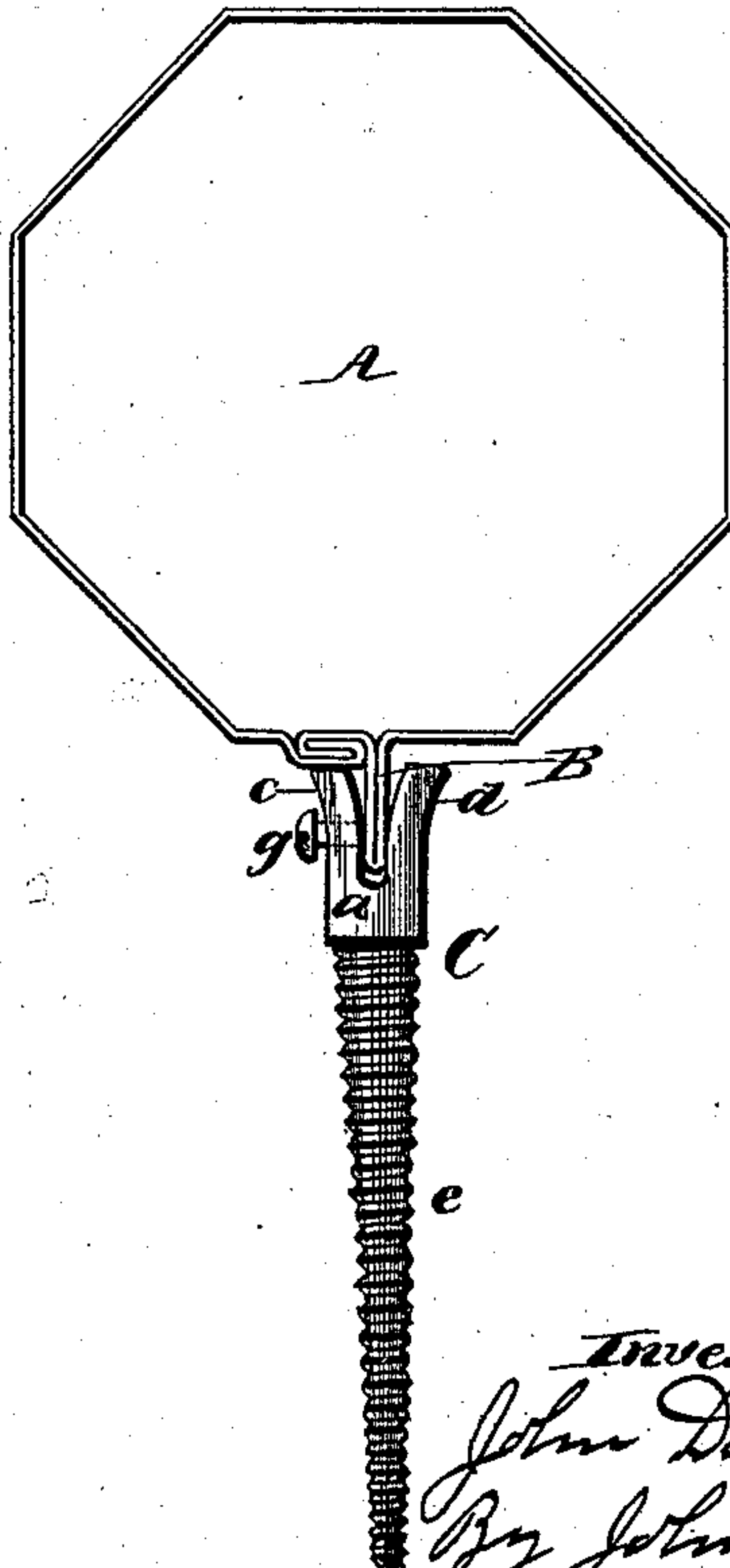
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



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# UNITED STATES PATENT OFFICE.

JOHN DAVIS, OF ALLEGHENY, PENNSYLVANIA.

## SUPPORT FOR WATER-CONDUCTORS.

SPECIFICATION forming part of Letters Patent No. 402,003, dated April 23, 1889.

Application filed February 1, 1889. Serial No. 298,314. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN DAVIS, a citizen of the United States, residing at Allegheny, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Supports for Water-Conductors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to water-conductors designed for use in conducting water from houses and other buildings, and has for its object an improvement in the supports or fastening devices used for securing that class of conductors which are provided with an expansible standing fold on one side thereof.

The invention will be hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, which form part of this specification, Figure 1 represents a side elevation of a water-conductor; Fig. 2 a plan, and Fig. 3 a perspective, of the support detached.

Reference being had to the drawings and the letters thereon, A indicates a water-conductor provided with an expansible projection or fold, B, on one side to keep the body of the conductor away from the wall and to allow for expansion and contraction caused by water freezing therein.

C is the support or fastener for securing the conductor to a building, and consists of a head, a, having a slot, b, and two arms, c d, which are bent outward at their free ends to provide

space for the expansion of the projection or fold B. The shank e of the support may be flat, as shown in Fig. 1, to be driven into a joint between brick in a wall; or it may be screw-threaded, as in Figs. 1 and 3, to be inserted in a wooden structure.

The support is secured to the projection B by means of a screw, g, which passes through one of the arms of the head a and bears upon the projection, and may be readily and easily applied. In some instances it may be found desirable to secure ordinary water-conductors by my improved support. This may be accomplished by soldering a projection on the conductor at intervals and attaching the support thereto.

Having thus fully described my invention, what I claim is—

1. A support for water-conductors, having a head provided with a slot, arms curved outwardly at their free ends, and suitable means for securing it to a conductor, substantially as described.

2. A support for water-conductors, having a head provided with a slot, arms curved outwardly at their free ends, and a screw for securing it, in combination with a water-conductor having a projection or fold on one side, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN DAVIS.

Witnesses:

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