

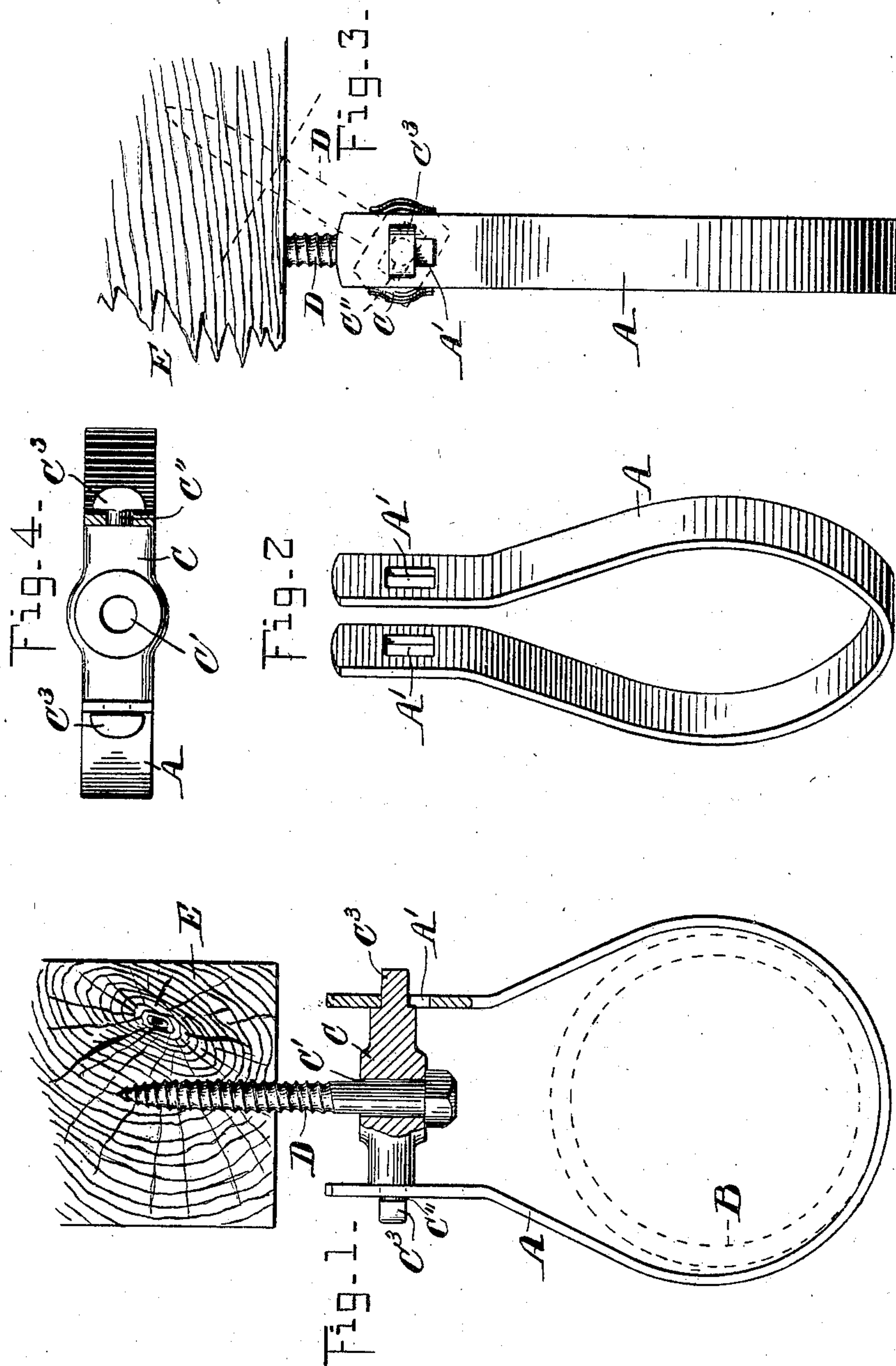
No. 706,903

Patented Aug. 12, 1902.

J. CRAWFORD.
PIPE HANGER.

(Application filed Sept. 20, 1901.)

(No Model.)



Witnesses:
Walter Lombard
Charles F. Logan

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UNITED STATES PATENT OFFICE.

JAMES CRAWFORD, OF BOSTON, MASSACHUSETTS.

PIPE-HANGER.

SPECIFICATION forming part of Letters Patent No. 706,903, dated August 12, 1902.

Application filed September 20, 1901. Serial No. 75,721. (No model.)

To all whom it may concern:

Be it known that I, JAMES CRAWFORD, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Pipe-Hangers, of which the following is a specification.

This invention relates to improvements in pipe-hangers for supporting drain or other pipes in buildings; and it consists of a single-piece spring-metal bail or stirrup detachably secured to a yoke having T-headed ends adapted to interlock into slotted perforations in the upper ends of said bail or stirrup, as will hereinafter be more fully shown and described, reference being had to the accompanying drawings, wherein—

Figure 1 represents a side elevation of the device, partly shown in section. Fig. 2 represents a detail perspective view of the single-piece spring-metal bail or stirrup shown as detached from the yoke. Fig. 3 represents an end view of Fig. 1; and Fig. 4 represents a top plan view of the yoke and bail, a portion of the latter being shown in section.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

A in the drawings represents the single-piece bail or stirrup, which is preferably made of suitable spring metal bent U-shaped and provided at its upper ends with slotted perforations A' A', as shown. Such single-piece spring-metal bail is capable of being expanded so as to permit of its being clasped around the pipe B. (Shown in dotted lines in Fig. 1.) In connection with such bail I use a yoke C, having a central vertical perforation C', adapted to receive a preferably headed screw-bolt D, the upper end of which is screwed into an overhead beam, flooring, or other suitable support E, according to the place where the pipe is to be supported.

In each end of the yoke C is a trunnion C'', terminating in its outer end as a T-head C³, its flattened portion being arranged at substantially a right angle to the axis of the supporting-bolt D, as shown.

In using the device the spring-metal bail

A is expanded and passed around the pipe B, after which the yoke C, containing the bolt D, is swung to such a position that the flattened portions of the T-heads C³ C³ are held vertical, or nearly so. Such T-heads are then put through the vertical slot-holes A' A' in the upper ends of the bail A, after which the yoke C is turned to the position shown in the drawings, causing its T-heads C³ C³ to be turned to a horizontal position outside of the vertical slots A' A' in the bail ends, by which the latter are caused to be interlocked with the yoke, as shown. The screw-bolt D is then screwed into the overhead beam, ceiling, &c., thus supporting the pipe wherever so desired. It will be noticed that when the parts are so connected the bail ends are pivotally hung on the trunnions C'' C'' of the yoke C, so as to permit the bail to adjust itself relative to any longitudinal motion of the pipe B as may occur by longitudinal expansion or contraction of the latter. By pivotally suspending the said bail upon the trunnions of the yoke C it enables the workman to locate the screw-bolt D at an angle to the vertical, as shown in dotted lines in Fig. 3, in case the overhead support E should happen to be inclined more or less to a horizontal plane.

What I wish to secure by Letters Patent and claim is—

A pipe-hanger consisting of a bail formed of a single piece of spring metal, the ends thereof each provided with a rectangular slot arranged parallel to the sides of the bail, in combination with a yoke consisting of a body portion, a cylindrical trunnion at each end of the body portion and a T-head integral with each of the trunnions, said T-heads adapted to pass through the slots of the bail when said T-heads are arranged longitudinally of said slots, and means extending through the yoke at right angles to the T-head for securing the yoke in position when suspending the bail.

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

JAMES CRAWFORD.

Witnesses:

ALBAN ANDRÉN,
JOSIAH E. NIGHTINGALE.