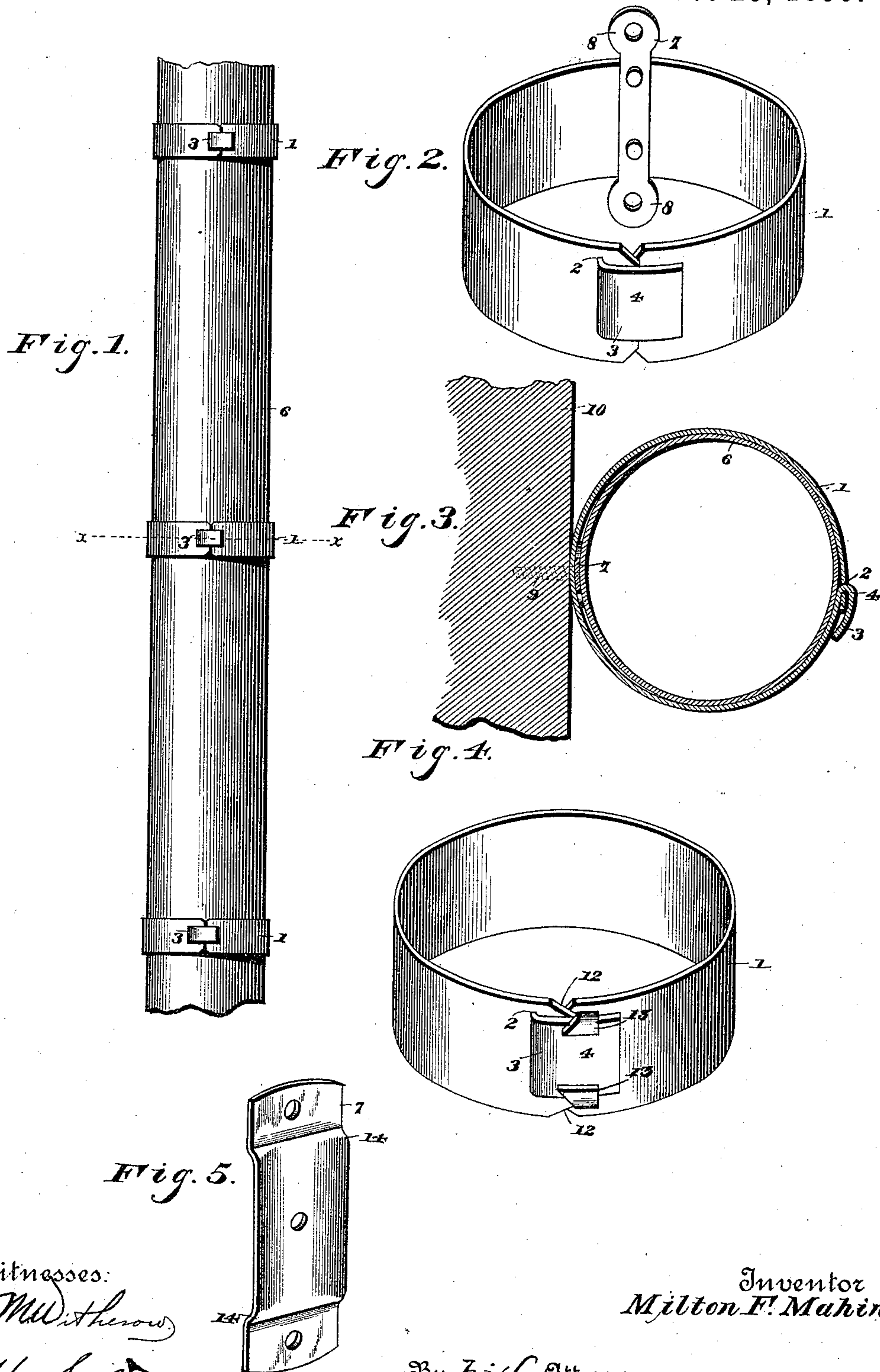


(No Model.)

M. F. MAHIN.  
HANGER FOR RAIN WATER PIPES.

No. 441,428.

Patented Nov. 25, 1890.



Witnesses:

*J. M. Withrow*

*W. S. Duwall*

Inventor  
*Milton F. Mahin*

By *his* Attorneys

*C. A. Snow & Co.*



# UNITED STATES PATENT OFFICE.

MILTON F. MAHIN, OF MONETT, MISSOURI.

## HANGER FOR RAIN-WATER PIPES.

SPECIFICATION forming part of Letters Patent No. 441,428, dated November 25, 1890.

Application filed February 12, 1890. Serial No. 340,136. (No model.)

*To all whom it may concern:*

Be it known that I, MILTON F. MAHIN, a citizen of the United States, residing at Monett, in the county of Barry and State of Missouri, have invented a new and useful Hanger for Rain-Water Pipes, of which the following is a specification.

This invention has relation to hangers for rain-water pipes; and among the objects in view is to provide a hanger adapted to be easily applied to the walls of buildings and to receive and embrace variously-sized pipes and support the same in a secure manner, and this without the use of solder.

With the above objects in view the invention consists in certain features of construction hereinafter specified, and particularly pointed out in the claims.

Referring to the drawings, Figure 1 is a perspective of a hanger constructed in accordance with my invention, the same being mounted in position upon the side of the building. Fig. 2 is a detail in perspective of the collar. Fig. 3 is a transverse section on the line *xx* of Fig. 1. Fig. 4 is a detail in perspective of an improved construction of collar. Fig. 5 is an improved construction of securing-plate.

Like numerals of reference indicate like parts in all the figures of the drawings.

In Fig. 1 I have shown my simplest construction, and the hanger consists of a band or strap of sheet metal bent to form a collar 1, one of the terminals of the band being provided with a transverse slot 2 and the opposite terminal with a reduced tongue 3, designed to be inserted through the slot and bent over upon itself, thus forming an interlocking joint 4. Such a joint, it will be observed, may be formed without the use of solder or any construction requiring extra effort in the act of unfastening the same, and it will be noticed that a pipe-section 6, mounted within the collar or hanger, may be removed with ease and facility.

7 represents a strap or plate of a length greater than the width of the hanger and terminating in perforated ends 8, through which are inserted screws 9 or other securing devices which take into the wall 10. Between the screws the hanger is preferably riveted to the plate, so as to be a fixture therewith, and

said hanger crosses the said plate at the rear thereof, so as to lie between the plate and wall. From this it will be observed that the pipe-sections may be removed, and, if desired, replaced without disturbing the hangers.

Referring to Fig. 4, it will be observed that in this form of the hanger I employ the transverse slot and the reduced tongue for interlocking therewith, the same as in the construction previously described, and the only additional feature is that oppositely-inclined cuts are made in the edges of the hanger, as at 12, and those portions of the metal beyond said cuts are bent down, as at 13, so as to form overlapping ears which embrace the reduced tongue at its opposite edges. These ears are bent over upon the tongue subsequent to the passage of the tongue through its slot and a rearward bending of the same, and hence the ears prevent any accidental opposite bending of the tongue and possible accidental withdrawal of the same from the slot. It will be apparent that the ears may be rebent in a reverse direction, so that the tongue can be withdrawn from its slot in the same manner as previously described.

Referring to Fig. 5, wherein I have illustrated a slight improvement as to the securing-plate, it will be observed that said improvement merely consists in providing the central portion of the plate between its ends with an offset 14, which receives the hanger and agrees in length with the width of said hanger. In this improvement the hanger is not riveted to the securing-plate, and the former may be readily inserted or withdrawn therefrom, as will be understood. Such a construction is to be preferred where there is liability of changing the direction of the flow of water consequent to a removal and change of position of the rain-water pipe.

The securing-plate just described may, if desired, be riveted to the supporting-collar, and I also prefer to curve the plate throughout the length of the offset, as shown.

Having thus described my invention, what I claim is—

1. A rain-water-pipe hanger consisting of a securing-plate adapted to be secured to the wall of a building, and a pipe-encircling band crossing the plate in rear thereof and con-



5 nected with the plate, one terminal of the band being provided with a transverse slot and the opposite terminal with a reduced tongue adapted to be inserted through the slot and bent upon itself to form an interlocking joint, substantially as specified.

10 2. A rain-water-pipe hanger consisting of a pipe-embracing band, and a securing-plate connected to the band and adapted to be secured to the wall of the building, said band terminating at one end in a reduced tongue adapted to be bent upon itself and at the other end in a transverse slot and provided beyond said slot with opposite ears adapted to be bent  
15 over upon the tongue, substantially as specified.

20 3. The combination, with a wall, of a securing-plate connected thereto and having a central offset, a hanger-band mounted in the offset of the plate and provided at one end with a slot and oppositely slitted beyond its

slot and having such portions of the material beyond the same bent to form ears and the opposite terminal reduced to form a tongue interlocking with the slot and bent over upon  
25 by the ears, and a pipe-section mounted in the hanger, substantially as specified.

4. The combination, with a wall, of a securing-plate connected thereto and having a central offset, a hanger-band mounted loosely in  
30 the offset of the plate and provided at its ends with a removable connection whereby the hanger may be removed without removing the securing-plate, as set forth.

In testimony that I claim the foregoing as  
35 my own I have hereto affixed my signature in presence of two witnesses.

MILTON F. MAHIN.

Witnesses:

M. F. GREGG,  
AMON FOLGER.