

No. 632,705.

Patented Sept. 12, 1899.

T. FEE & T. MASON.
PIPE HANGER.

(Application filed Dec. 10, 1898.)

(No Model.)

Fig. 1.

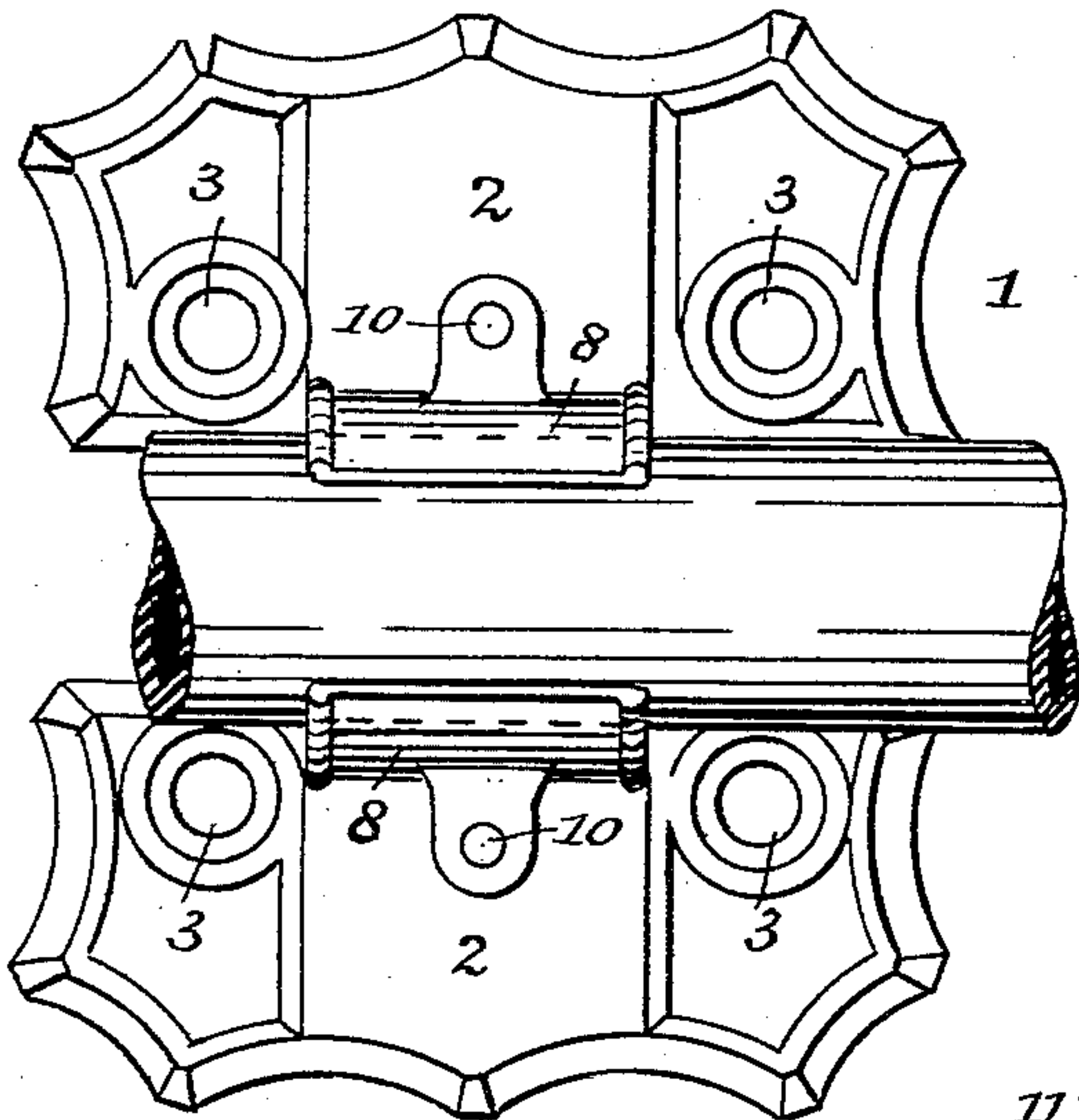


Fig. 3.

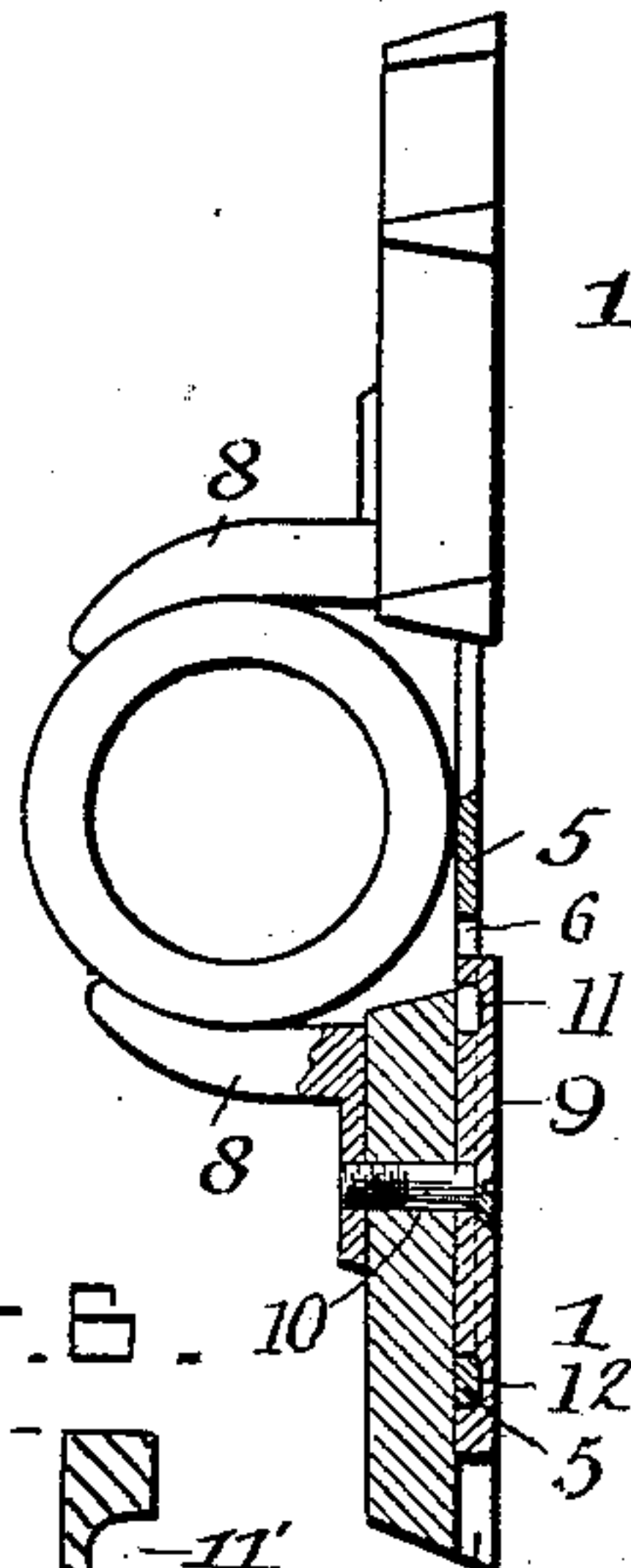


Fig. 2.

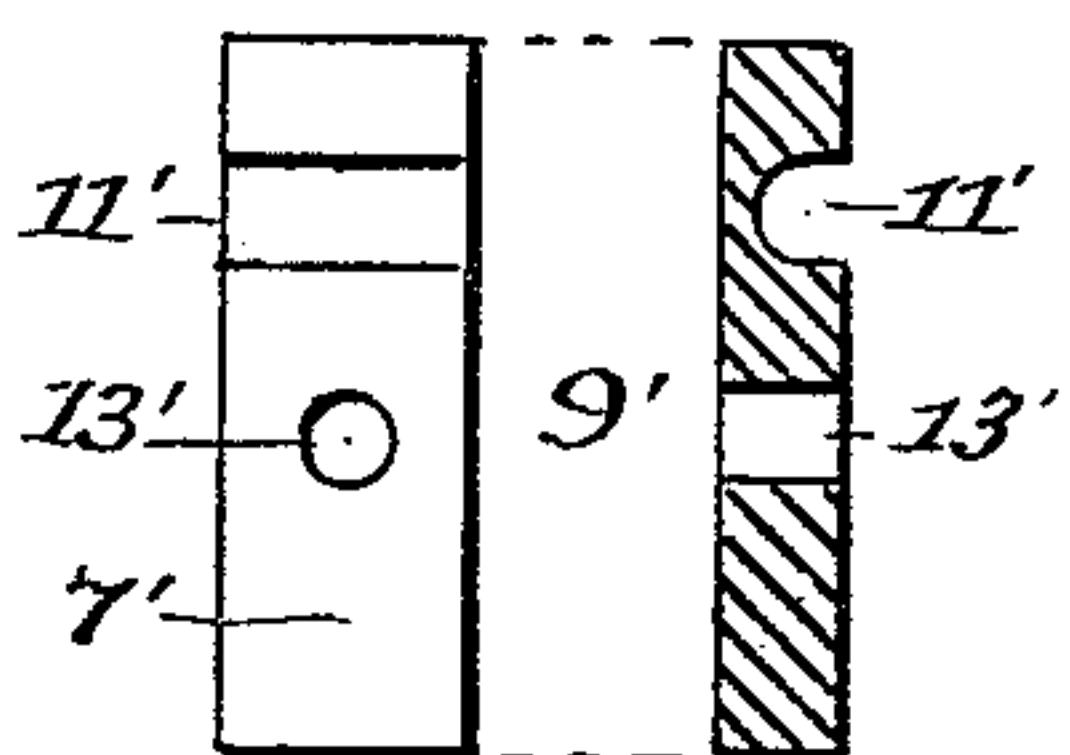


Fig. 4.

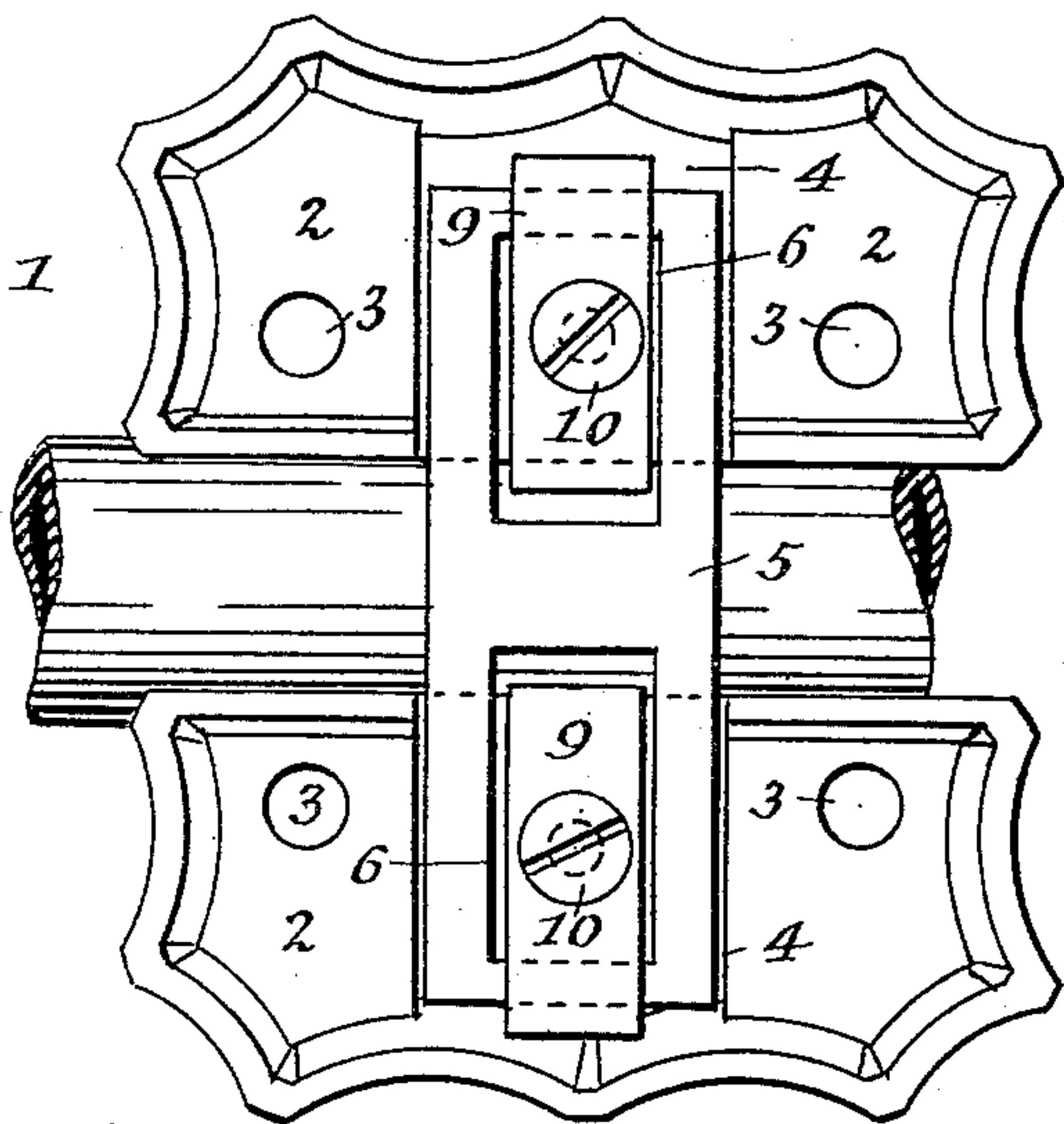


Fig. 5.

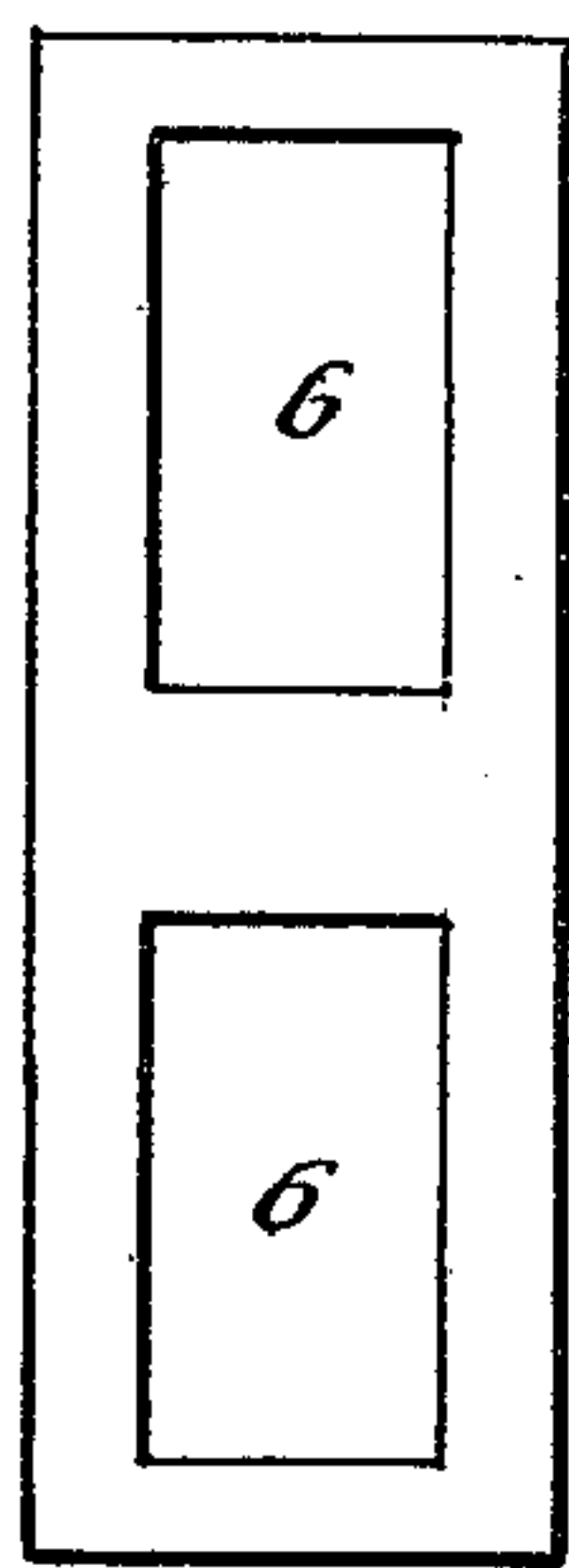
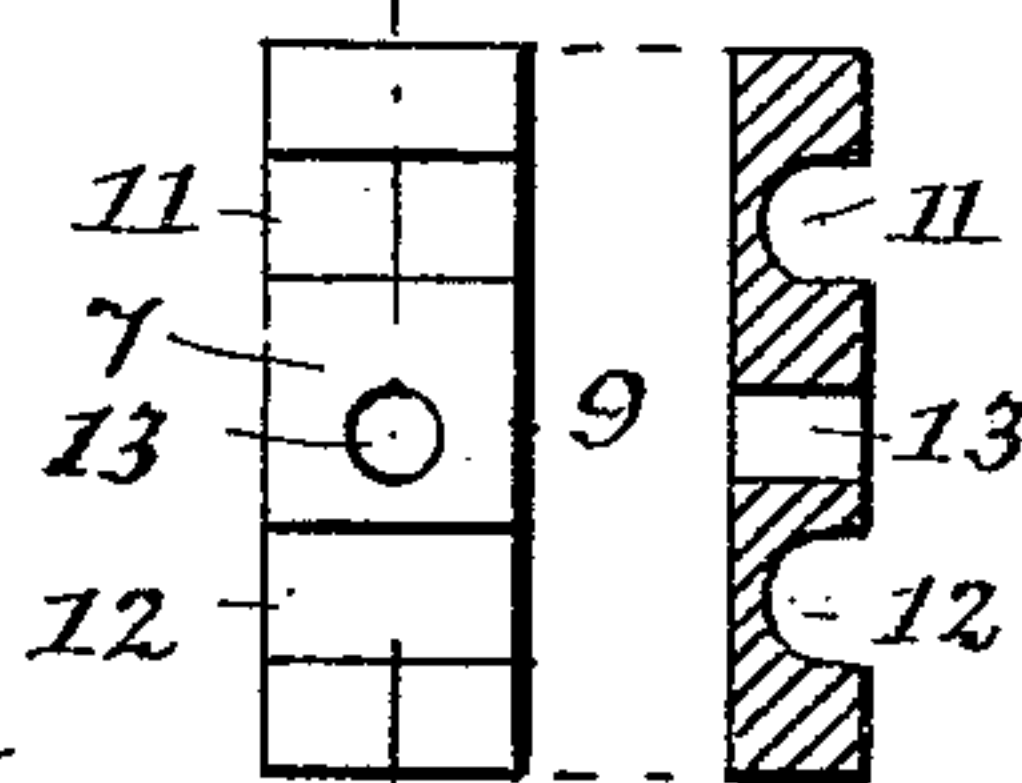


Fig. 6.



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UNITED STATES PATENT OFFICE.

THOMAS FEE AND THOMAS MASON, OF NEW YORK, N. Y.

PIPE-HANGER.

SPECIFICATION forming part of Letters Patent No. 632,705, dated September 12, 1899.

Application filed December 10, 1898. Serial No. 698,931. (No model.)

To all whom it may concern:

Be it known that we, THOMAS FEE, residing at New York, borough of Brooklyn, in the county of Kings, and THOMAS MASON, residing at New York, borough of Manhattan, in the county of New York, State of New York, citizens of the United States, have invented certain new and useful Improvements in Pipe-Hangers; and we 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.

This invention relates to suspending or supporting devices, and particularly to those employed to support water, steam, or other pipes; and some of the objects of the invention are to provide a device of this character cheap in construction and positive and effective in operation and particularly where adjustment can be readily effected, so that the hanger can easily be made to fit pipes of different sizes or diameters.

With these and other objects in view the invention consists, essentially, in the construction, combination, and arrangement of parts substantially as hereinafter more fully described in the following specification and illustrated in the accompanying drawings, in which—

Figure 1 is a top plan view of our improved pipe-hanger, showing a portion of pipe in position therein. Fig. 2 is a bottom plan view of the same. Fig. 3 is a side elevation thereof. Fig. 4 is a detail view of the connecting link or coupling, and Figs. 5 and 6 illustrate details of the adjusting-holder.

Similar characters of reference designate corresponding parts throughout the several views.

Referring to the drawings, the reference character 1 designates a pipe-hanger provided with plates or wings 2, having holes or openings 3, for attaching screws or nails, whereby the hanger is secured in the desired position upon the ceiling or wall of the building where it is desired to support or suspend the water, steam, or other pipes, or the hanger may be employed in connection with various kinds of pipes, and by the easy adjustability thereof can be made to fit different-sized pipes.

The plates 2 are preferably cut away inter-

mediate of their length to form recesses or grooves 4 to receive the ends of the link or coupling 5, having openings 6, adapted to receive the intermediate portion 7 of the holders 9, as will be understood.

The front or top of the wings or plates 2 are preferably provided with segmental or other jaws 8, Figs. 1 and 3, adapted to receive and retain a pipe in the manner illustrated in Figs. 1, 2, and 3, and, if desired, the gripping or inner faces of these jaws may be provided with serrations or teeth to facilitate the action thereof, and the front or top of the plates or wings 2 may be ornamented in any preferred manner to produce an attractive device.

The link or coupling 5 is provided with end openings 6 to receive the intermediate portion 7 of the holders 9 and be removably secured within the recesses or grooves 4 of said holders, which are detachably connected within said recesses or grooves 4 by screws or bolts 10, passing therethrough.

The adjusting-holders 9 are provided with transverse grooves or depressions 11 and 12, respectively, the former being farther from the attaching-screw hole 13 than the latter to receive the extremities of the link or coupling 5, and by securing the extremities of said link or coupling in either the groove or depression 11 or 12 the distance between the jaws 8 can be regulated as desired to fit pipes of different sizes. The adjusting-holders 9 may be provided with several grooves or depressions, if desired, but only two are illustrated in the drawings, while in Fig. 6 only one groove 11' is shown and the remaining surface 7' is smooth, and, if desired, the construction may be employed to hold the non-adjustable end of the coupling or link 5.

The operation of our improved pipe-hanger will be readily understood from the foregoing description when taken in connection with the accompanying drawings and the following description thereof:

One extremity of the link or coupling 5 is secured within one of the grooves or depressions in the adjusting-holder 9, which is then secured within the groove or recess 4 of one of the plates or wings, whereupon the latter is then brought up against the pipe to be supported, so that the jaw 8 will partially sur-

round the pipe, as clearly shown in Figs. 1 and 3, while the link or coupling 5 will extend back of the pipe in the manner illustrated in Fig. 2, and the other wing or plate is then
5 connected to the free end of the link or coupling 5, as before described, when the plates are then fastened to the ceiling or wall, the screws or other devices 10 passing through the holes 3 in said plates.

10 We do not desire to confine ourselves to the specific construction, combination, and arrangements of parts herein shown and described, and we reserve the right to make all such changes in and modifications of the same
15 as come within the spirit and scope of our invention.

Having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

20 1. In a pipe-hanger, a pair of plates provided with holding-wings, in combination with an adjusting device comprising a link and

grooved clamping members adapted to secure the ends of the link to the said plates.

2. In a pipe-hanger a pair of plates provided with holding-wings, in combination
25 with an adjusting device comprising a link and clamping members, each having a plurality of grooves to receive the ends of the link and afford adjustment for the plates.
30

3. In a pipe-hanger, a pair of plates provided with holding-wings in combination with an adjusting device comprising a link and
35 clamping members, each having a plurality of grooves at different distances from the point of attachment of said members to provide adjustment for said plates.

In testimony whereof we affix our signatures in the presence of two witnesses.

THOMAS FEE.

THOMAS MASON.

Witnesses:

CHARLES S. ROGERS,
JAMES R. ROGERS.