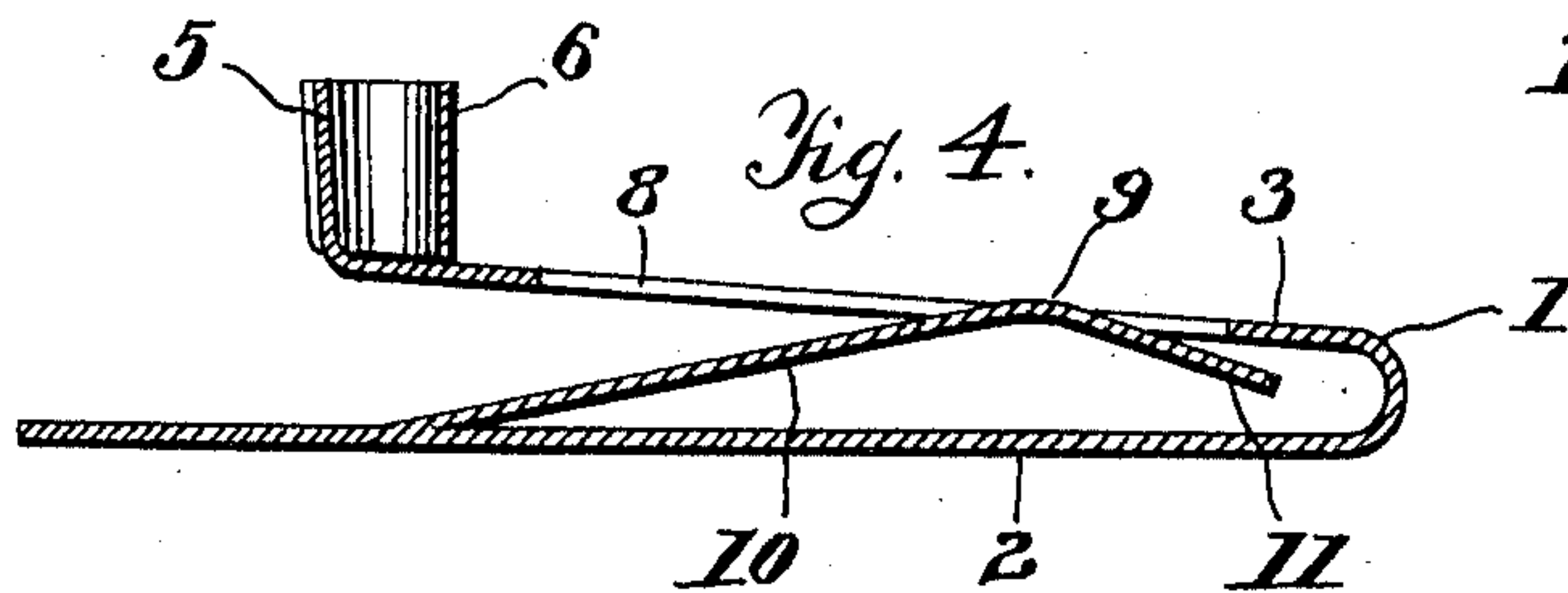
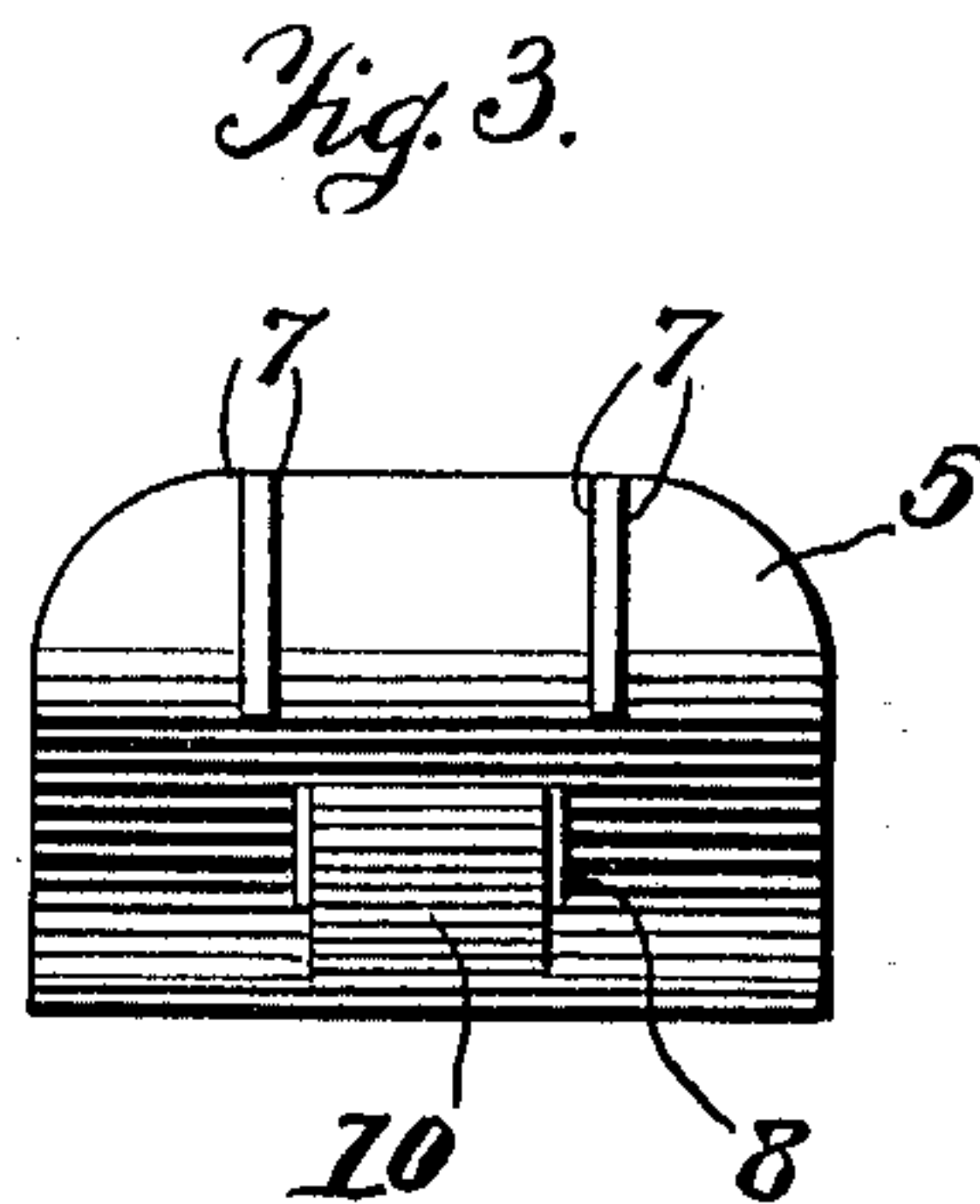
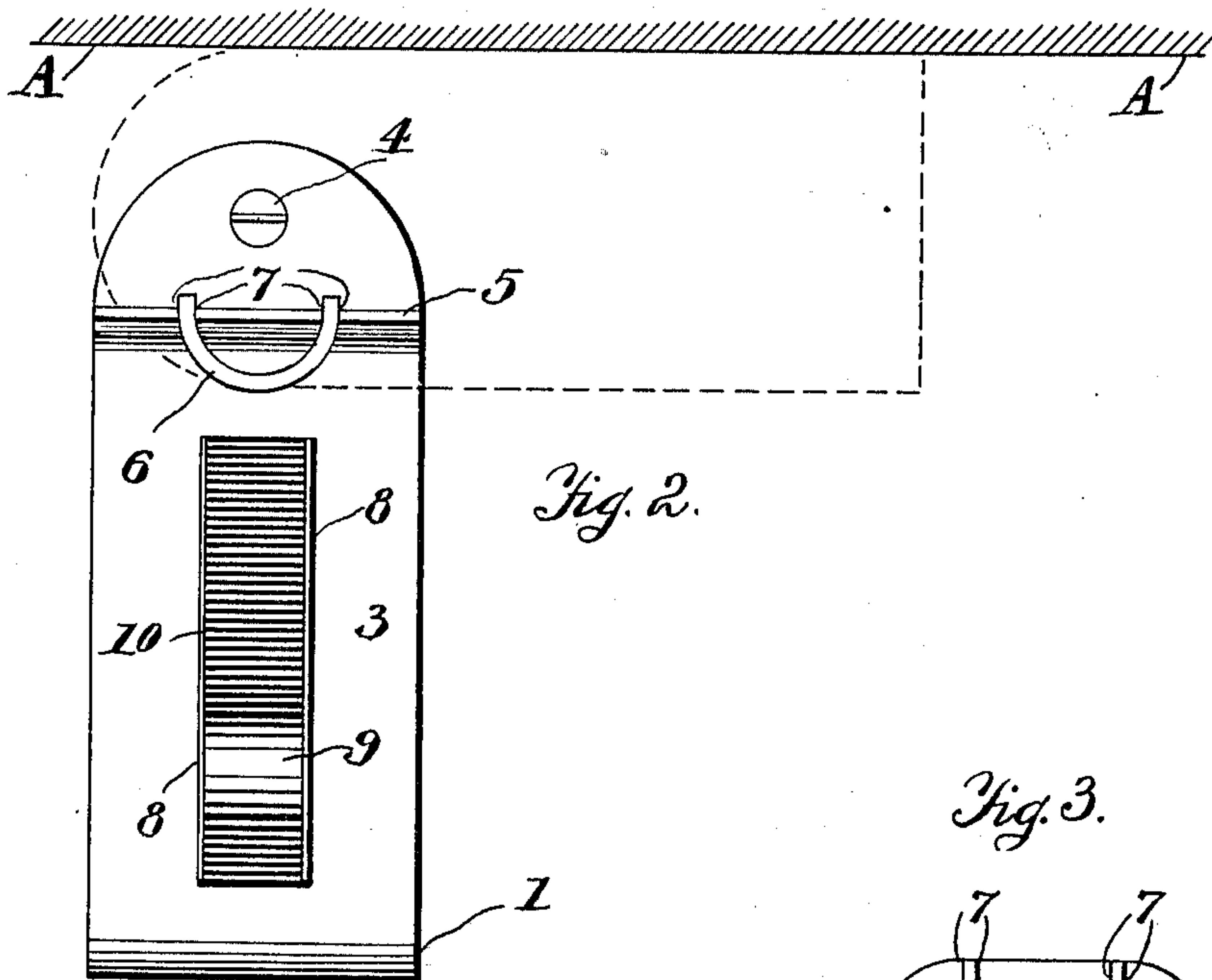
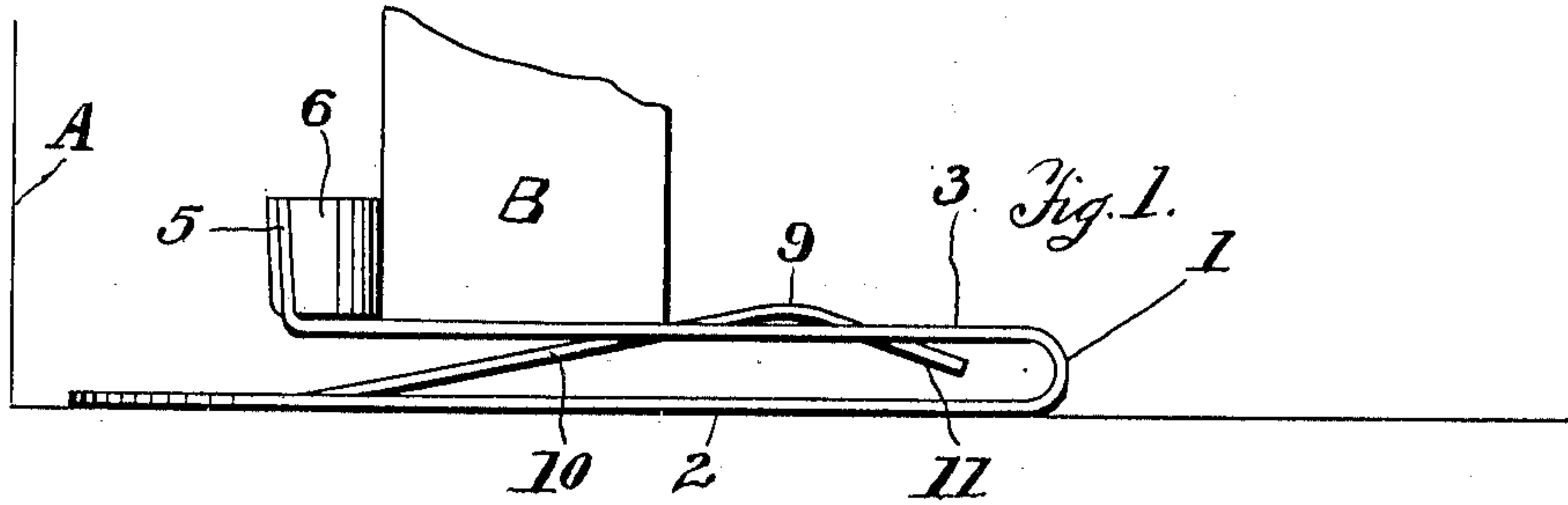


J. H. COFFMAN.
DOOR STOP AND HOLDER.
APPLICATION FILED NOV. 20, 1911.

1,040,887.

Patented Oct. 8, 1912.



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DOOR STOP AND HOLDER.

1,040,887.

Specification of Letters Patent.

Patented Oct. 8, 1912.

Application filed November 20, 1911. Serial No. 661,286.

To all whom it may concern:

Be it known that I, JACOB H. COFFMAN, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Door Stops and Holders; 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 door stops and holders.

It has for its object to provide a device of this character which will be simple in construction, inexpensive to manufacture, neat in appearance, and efficient in operation.

A further object is to provide for moving the device from active into inoperative position without the necessity of bending over and adjusting it with the hand.

Other objects will become apparent from the following description.

The invention consists of a resilient compressible wedge adapted to gradually bring the door to a full stop, and a spring holder for retaining the door upon the stop. The wedge is preferably formed with a slot through which the spring holder projects, and said holder is usually made with a tongue which extends below the extremity of the slot in the wedge whereby the upward movement of the holder is limited and the parts are prevented from getting out of order. The outer end of the wedge carries a cushioned bumper, which is preferably formed in the specific manner hereinafter explained. The stop and holder are made of a single piece of metal which is pivotally secured to the floor near the base board, and the device may be easily turned back along the side of the base board, when not in use, or swung outwardly into operative position by the toe of the shoe without necessitating bending over and using the hand.

The invention also consists in the features of construction and the combinations of parts hereinafter described, illustrated in the accompanying drawings and specified in the appended claims.

In the accompanying drawings;—Figure 1 is a side elevation of my door stop and holder, showing it in operation. Fig. 2 is a plan view of the device, its inoperative position being indicated in dotted lines. Fig. 3 is a rear end view of the invention, and Fig.

4 is a central longitudinal, vertical sectional view thereof.

Referring more particularly to the drawing, 1 designates the resilient compressible wedge comprising the bottom leaf or fold 2 and the inclined upper leaf or fold 3. The lower leaf projects beyond the upper one and is pivotally secured to the floor by a screw 4, or any other suitable means. The extremity of the upper leaf is bent upwardly forming a flange 5, carrying the cushioned bumper. Any suitable bumper will answer my purpose, but the one illustrated herein comprises a strip of rubber bent into curved form and having its ends secured in vertical slots 7 formed in the flange 5.

In the upper leaf of the wedge there is cut a central, longitudinal slot 8 into which extends the rounded apex 9 of the spring holder 10 which is cut and struck up from the lower leaf of said wedge. The extremity of the spring holder constitutes a tongue 11 which extends below the end of the slot 8 and serves to limit the upward movement of the holder.

In operation, when the device is turned outward to substantially right angles with the wall or base board A in Fig. 1, and the door B is swung open, its bottom edge rides up upon the wedge, depressing the upper leaf thereof to some extent until said door is brought to a stop by coming in contact with the bumper 6. In riding up the wedge, the bottom edge of the door also rides over the rounded apex 9 of the holder which engages the outer corner of the door and retains the latter upon the wedge. When it is desired to close the door a gentle push or pull upon the same will cause it to ride over the apex of the holder and off of the wedge. When the device is not in use it may be readily turned back along the side of the base board where it is entirely out of the way.

I claim:—

1. A device of the character described comprising a resilient compressible wedge, its upper leaf having a straight gradually rising upper surface extending to its free end, an upstanding flange on said free end of the upper leaf, said flange provided with two vertical slots, a strip of cushioning material bent into curved form and having its ends secured in said slots forming a stop, all for the purposes specified.

2. In a device of the character described, the combination with a resilient compressible wedge, of a spring holder inclined in the opposite direction from said wedge, and having an apex normally extending above said wedge at a point spaced well away from the upper end of said wedge.

3. In a device of the character described, the combination, with a resilient compressible wedge having a slot in its upper leaf, of a spring holder inclined in the opposite direction from said wedge and having an apex projecting through said slot at a point spaced well away from the upper end of said wedge.

4. In a device of the character described, the combination, with a resilient compressible wedge having a slot in its upper leaf, of a spring holder inclined in the opposite direction from said wedge and having an apex

projecting through said slot at a point spaced well away from the upper end of said wedge, and a stop formed on the slotted upper leaf of said wedge at the upper end thereof.

5. A device of the character described, comprising a resilient compressible wedge and spring holder made from a single piece of sheet metal, said wedge having a slot in its upper leaf, and the lower leaf of said wedge having the holder cut and struck up therefrom with an apex projecting through said slot at a point spaced well away from the upper end of said wedge.

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

JACOB H. COFFMAN.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."