

(No Model.)

H. S. FROST, C. S. KILBOURN & J. B. WOOLSON.  
PIPE HOLDER.

No. 588,974.

Patented Aug. 31, 1897.

Fig. 1.

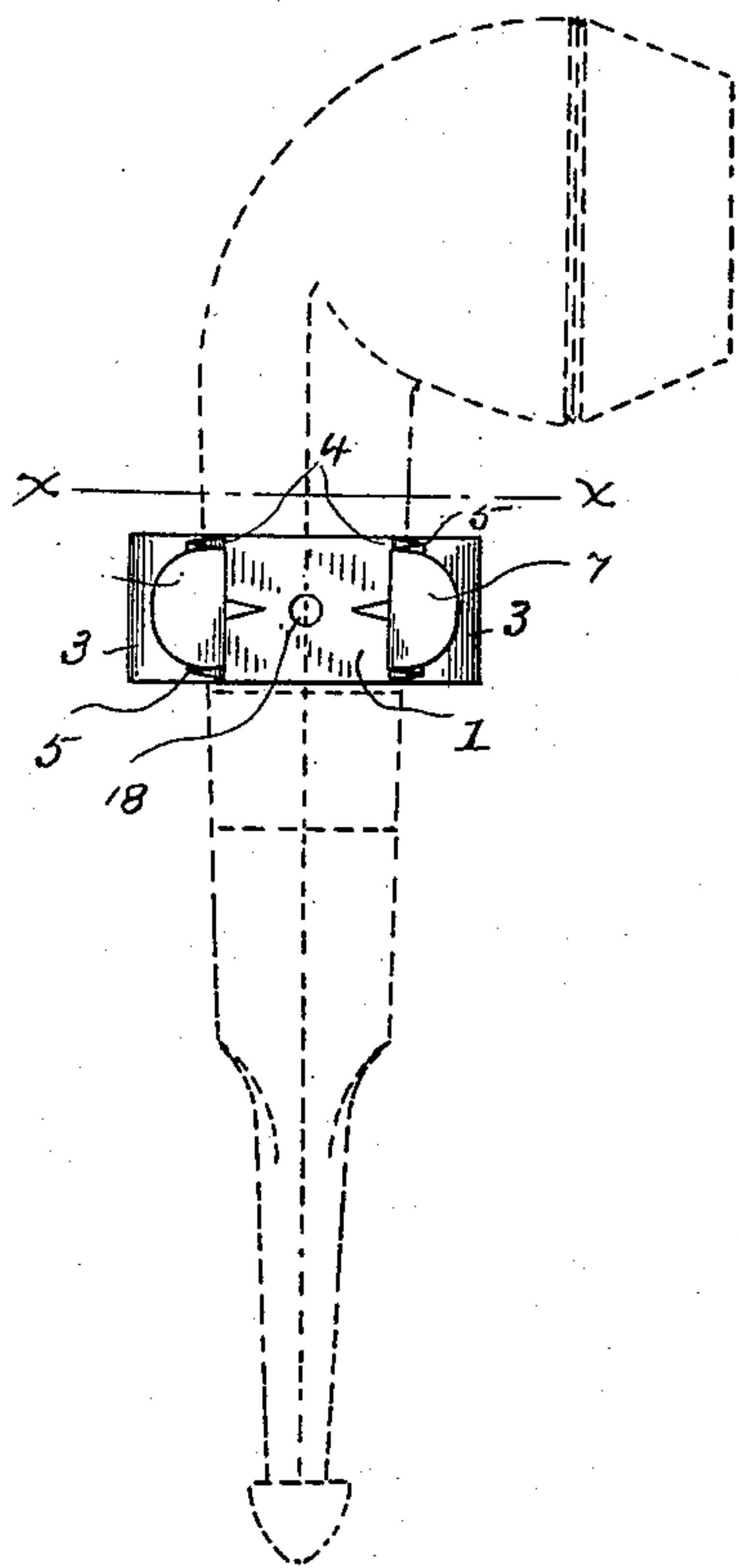


Fig. 2.

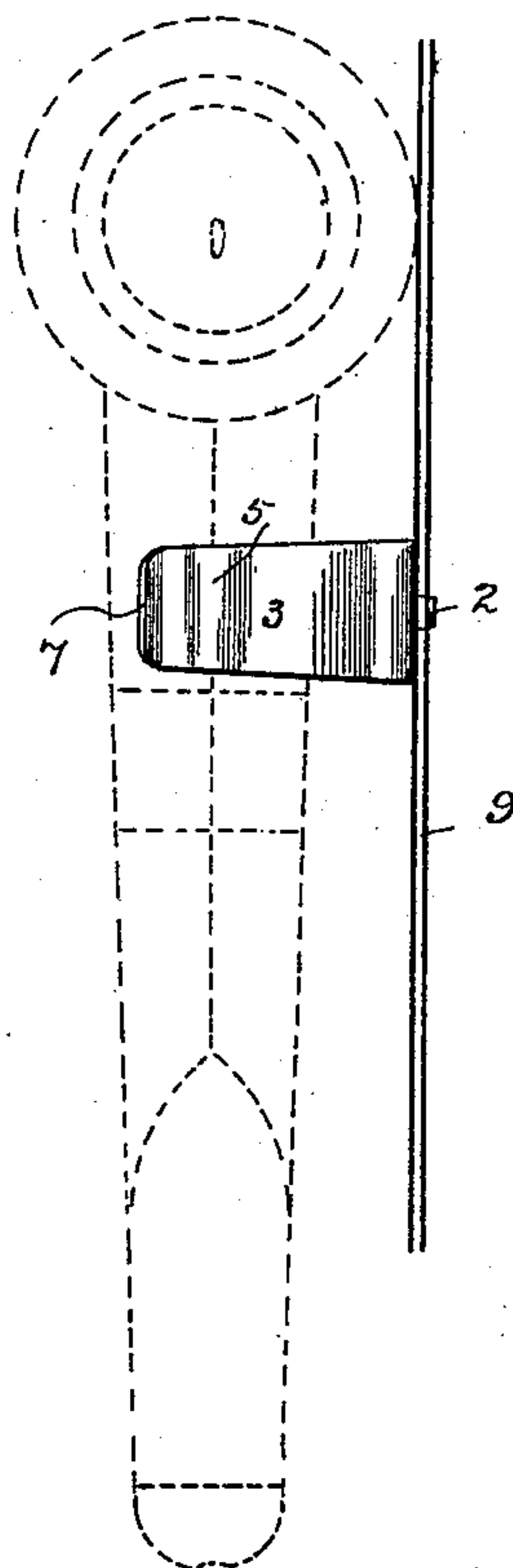


Fig. 3.

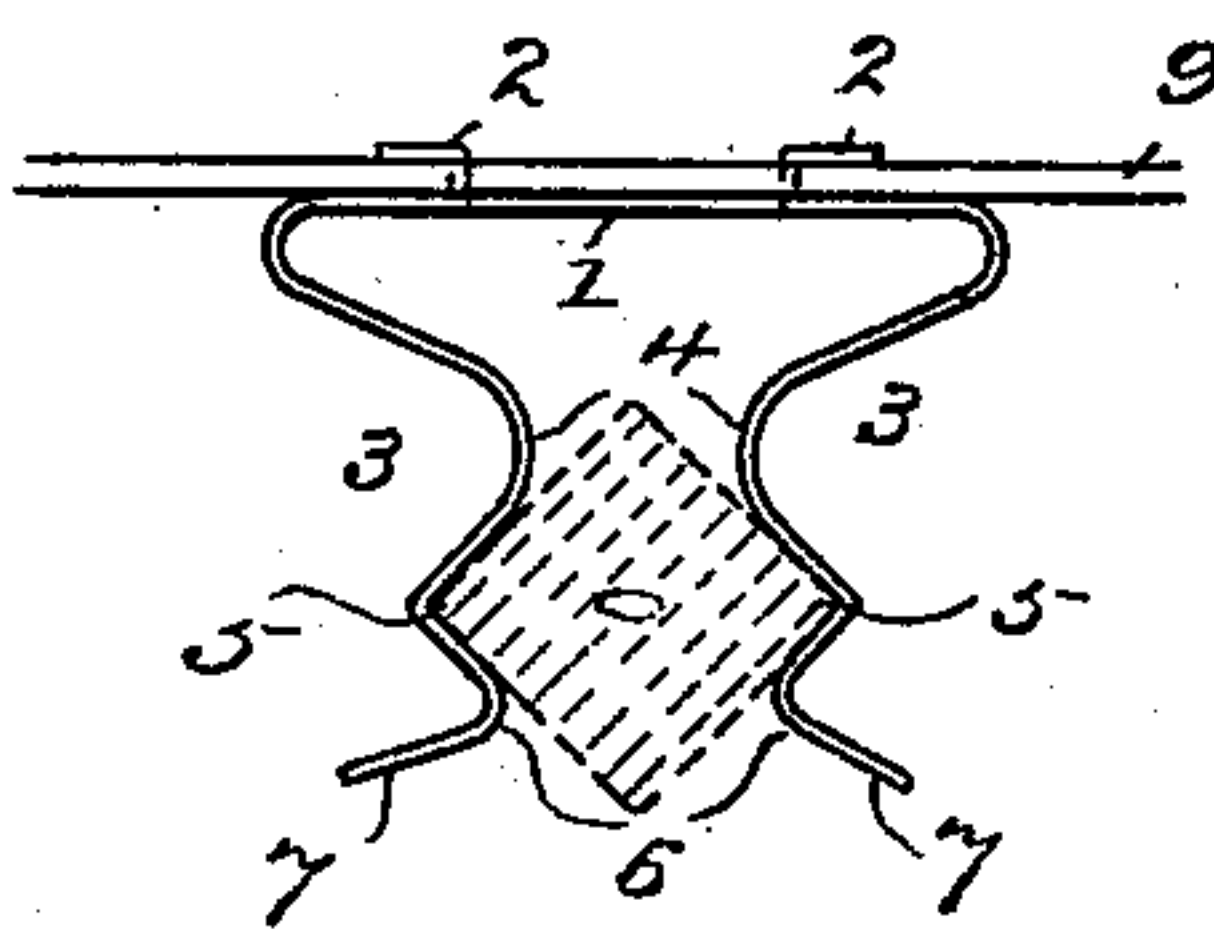
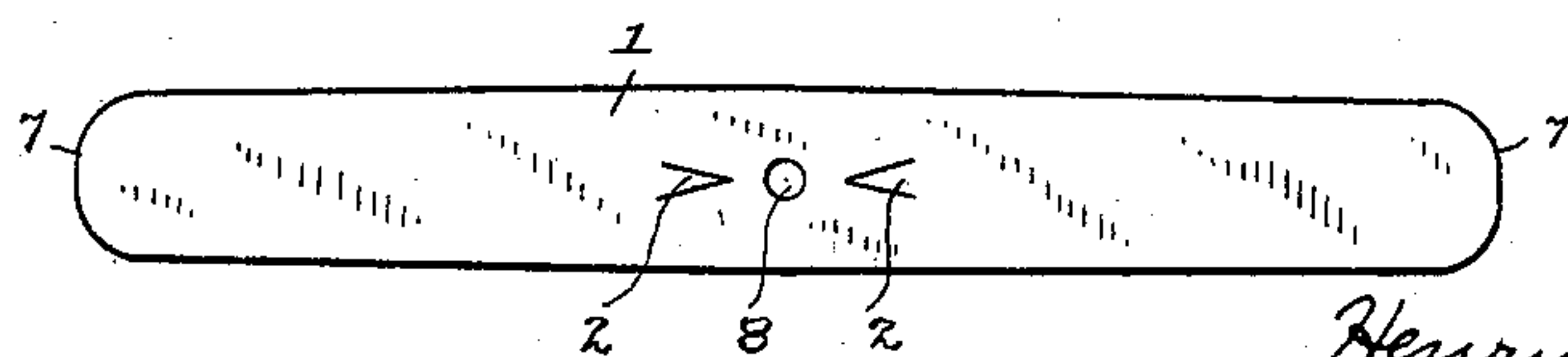


Fig. 4.



WITNESSES

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# UNITED STATES PATENT OFFICE.

HENRY S. FROST, CHARLES S. KILBOURN, AND JAMES B. WOOLSON, OF  
WATERTOWN, CONNECTICUT, ASSIGNORS, BY MESNE ASSIGNMENTS,  
TO WILLIAM DEMUTH & CO., OF NEW YORK, N. Y.

## PIPE-HOLDER.

SPECIFICATION forming part of Letters Patent No. 588,974, dated August 31, 1897.

Application filed March 31, 1897. Serial No. 630,088. (No model.)

*To all whom it may concern:*

Be it known that we, HENRY S. FROST, CHARLES S. KILBOURN, and JAMES B. WOOLSON, citizens of the United States, residing at Watertown, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Pipe-Holders; 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.

Our invention has for its object to provide a simple and inexpensive holder for pipes and similar articles which will be self-attaching to a card or in any place where it is required to be used, will hold either angular or round stemmed pipes with the bowls lying flatwise, and will permit the pipes or other articles to be readily removed and replaced.

Our novel pipe-holder is made from a single strip of sheet metal formed to shape and having attaching-lugs blanked out from the metal of the strip.

In the accompanying drawings, forming part of this specification, Figure 1 is a front elevation of our novel pipe-holder, illustrating the device in use in holding a pipe, which is shown in dotted lines; Fig. 2, a side elevation corresponding therewith; Fig. 3, a section on the line  $x-x$  in Fig. 1; and Fig. 4 is a view of the blank from which the holder is formed.

Our novel holder consists, essentially, of a base 1, having attaching-lugs 2 pressed outward therefrom, and two spring-arms, (indicated by 3,) said arms being curved inward toward each other to form a neck 4, then outward and inward again to form a neck 6, and between said necks an angular recess 5 to receive the stem of a pipe which may be either angular or round, the ends of the arms being then turned outward again, as at 7, to facilitate the insertion of the pipe.

In use the stem of the pipe is passed be-

tween the outwardly-turned ends and into recess 5, neck 4 acting to prevent the stem from moving farther inward and holding it rigidly at the required distance from the card (indicated by 9) or other article to which the holder is attached.

8 denotes a hole at the center of the base, which may be used should it be required to attach the holder in place by a nail or screw.

In packing pipes for transportation and in fixing them upon the cards for exhibition it is required that the bowls of the pipes lie flat upon the card, as indicated in the drawings, and as the stems are liable to be either angular or round it is necessary that the arms should be so shaped as to hold pipes having either form of stem in this position. Pipes have usually been attached to cards by thread or wire. We are not aware that any simple and inexpensive holder has heretofore been produced which would retain all ordinary styles of straight-stemmed pipes with the sides of the bowl lying in contact with the card and would permit the pipes to be readily removed and replaced. This, however, is perfectly accomplished by our novel holder.

Having thus described our invention, we claim—

A holder for retaining pipes upon a card with the bowls in contact therewith formed from a single strip of metal and consisting of a base, arms bent toward each other to form a neck 4, then outward and inward to form a neck 6 and between said necks an angular recess 5 to receive the stem of a pipe, the ends of the arms being curved outward to permit ready insertion of a pipe-stem.

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

HENRY S. FROST.

CHARLES S. KILBOURN.

JAMES B. WOOLSON.

Witnesses:

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