

(No Model.)

A. L. HATCH.
SPRAYING ATTACHMENT FOR HOSE NOZZLES.

No. 582,125.

Patented May 4, 1897.

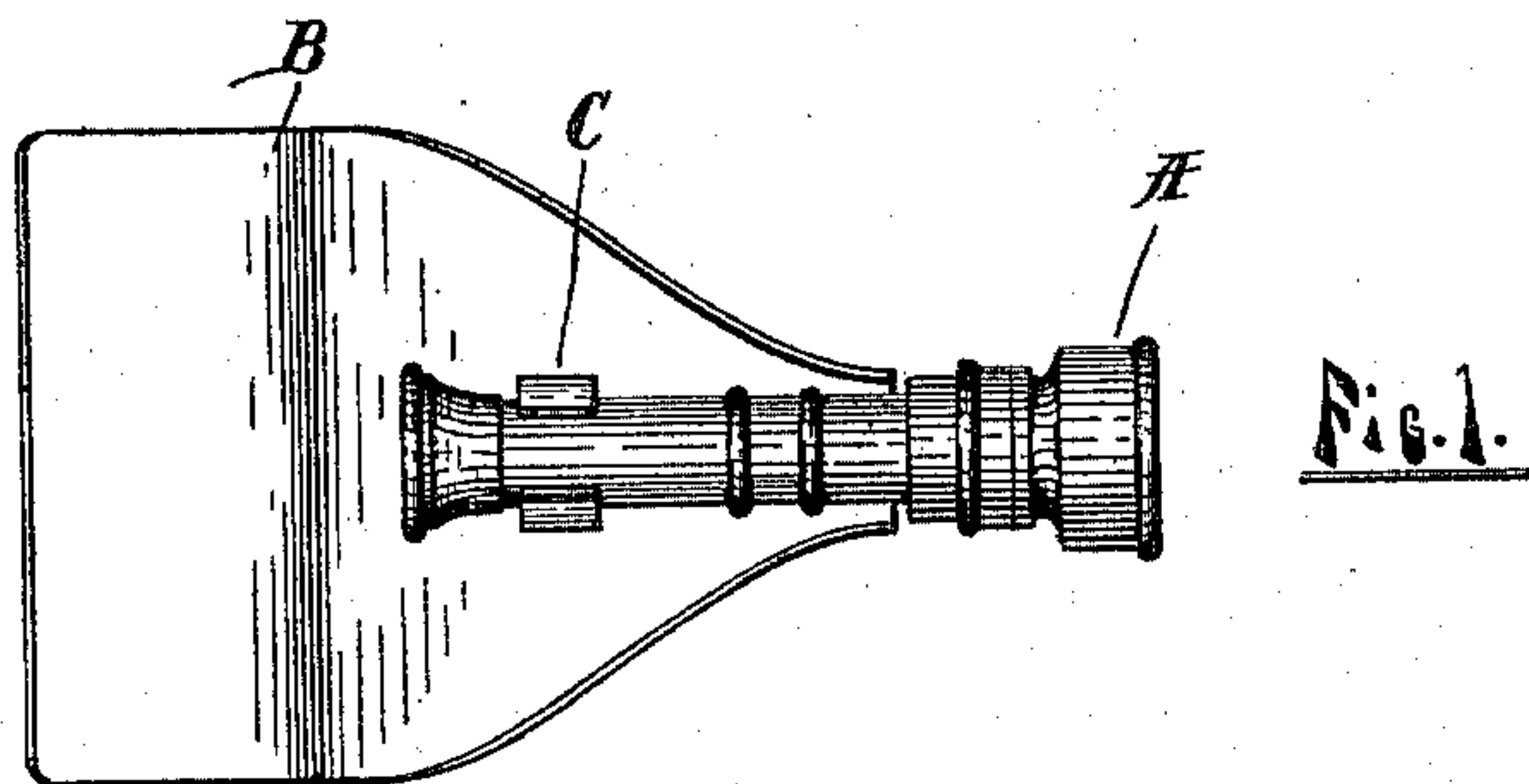


Fig. 1.

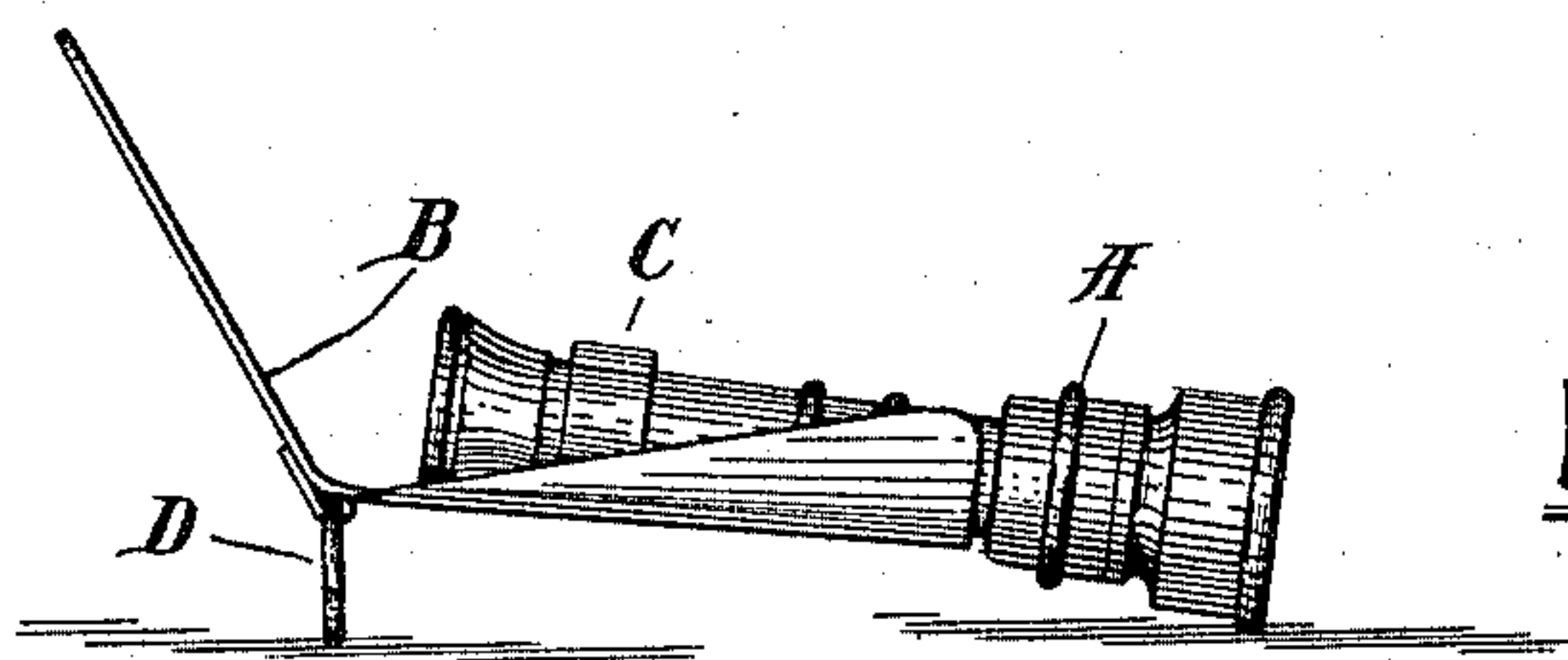


Fig. 2.

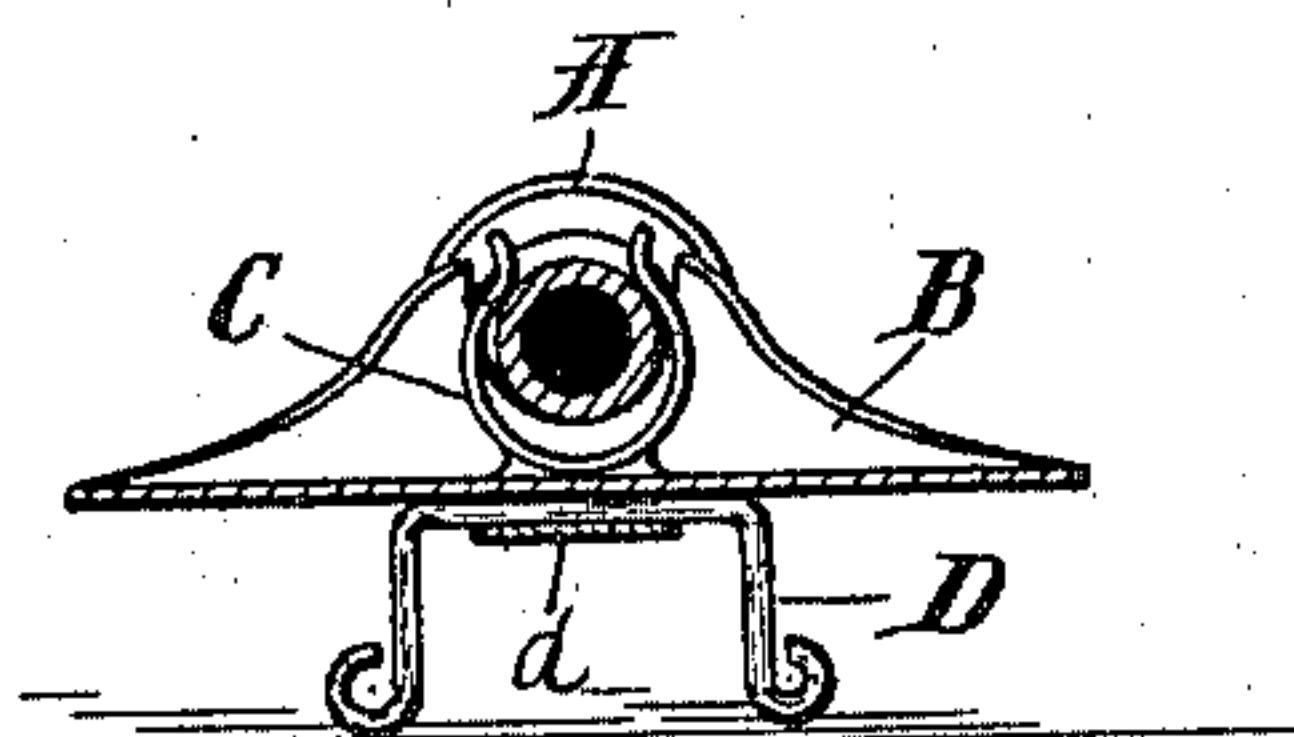


Fig. 3.

Witnesses

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ALBERT L. HATCH, OF GRAND RAPIDS, MICHIGAN.

SPRAYING ATTACHMENT FOR HOSE-NOZZLES.

SPECIFICATION forming part of Letters Patent No. 582,125, dated May 4, 1897.

Application filed July 25, 1895. Serial No. 557,267. (No model.)

To all whom it may concern:

Be it known that I, ALBERT L. HATCH, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented certain new and useful Improvements in Spraying Attachments for Hose-Nozzles; 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 improvements in spraying attachments for hose-nozzles, but more especially to that form of nozzle known to the trade as the "magic;" and its object is to provide the same with certain new and useful features hereinafter more fully described, and particularly pointed out in the claim, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of a device embodying my invention; Fig. 2, a side elevation of the same; Fig. 3, a cross-section of the same.

Like letters refer to like parts in all of the figures.

A is a hose-nozzle of that form known as the "magic," in which the extreme outer end *a* has outwardly-inclined sides and a shouldered rear end, to which is attached the plate B, by means of the U-shaped spring C, which spring embraces said nozzle and is secured to the plate B. The sides of said plate are folded near one end to embrace said nozzle and hold the same in line with said spring, and by bending toward or from each other are readily adapted to fit various sizes of nozzles, and the opposite end of said plate is bent upward at any desired angle and in front of the end of said nozzle, so that the stream of water escaping from the same will strike said plate and be deflected. The plate B is of such width that the water striking and spreading out will all pass over its end. To the bottom of said plate and near the angle formed by its upturned end is pivoted an inverted-U-shaped support D, formed of wire bent at right angles and adapted to support said plate and nozzle. The contact of the

upper limb of the support D with the sleeve or bearing *d* and under surface of the plate is sufficiently close to enable said support to hold the plate and nozzle at different angles with relation to the ground, whereby the angle of the spray is varied by changing the angle at which the attachment and nozzle are supported and holding the same at said angle by said support.

The device may be readily attached to any ordinary nozzle by placing the same between the upturned sides of the plate and spring and detached by removing it from the same, but as it has no vertical wall at its rear end formed with an opening through which the nozzle extends to compel the nozzle to be inserted longitudinally through the attachment it is especially adapted for application to that form of nozzle above referred to or to any construction of nozzle having its discharge end of greater diameter than its receiving end.

Having thus fully described my invention, what I claim is—

The herein-described spraying attachment for hose-nozzles, consisting of a plate having a wall-less rear end and its outer end bent upward at an inclination, the sides of said plate rearward of the bent end being folded toward each other, the spring for holding the nozzle upon the plate, and a support stiffly hinged to the under side of said plate for holding the attachment and nozzle adjustably at an elevation, said support consisting of a sleeve secured to the under side of said plate contiguous to the angle therein, and an inverted-U-shaped piece, the free ends of both legs of which rest on the ground and the horizontal part of which extends through said sleeve and is in close frictional contact with the same and with the under side of the plate, substantially as described.

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

ALBERT L. HATCH.

Witnesses:

LEWIS E. FLANDERS,
SARAH A. MOULTON.