

J. C. MELCHER.

SPRINKLER.

No. 172,467.

Patented Jan. 18, 1876.

Fig. 1

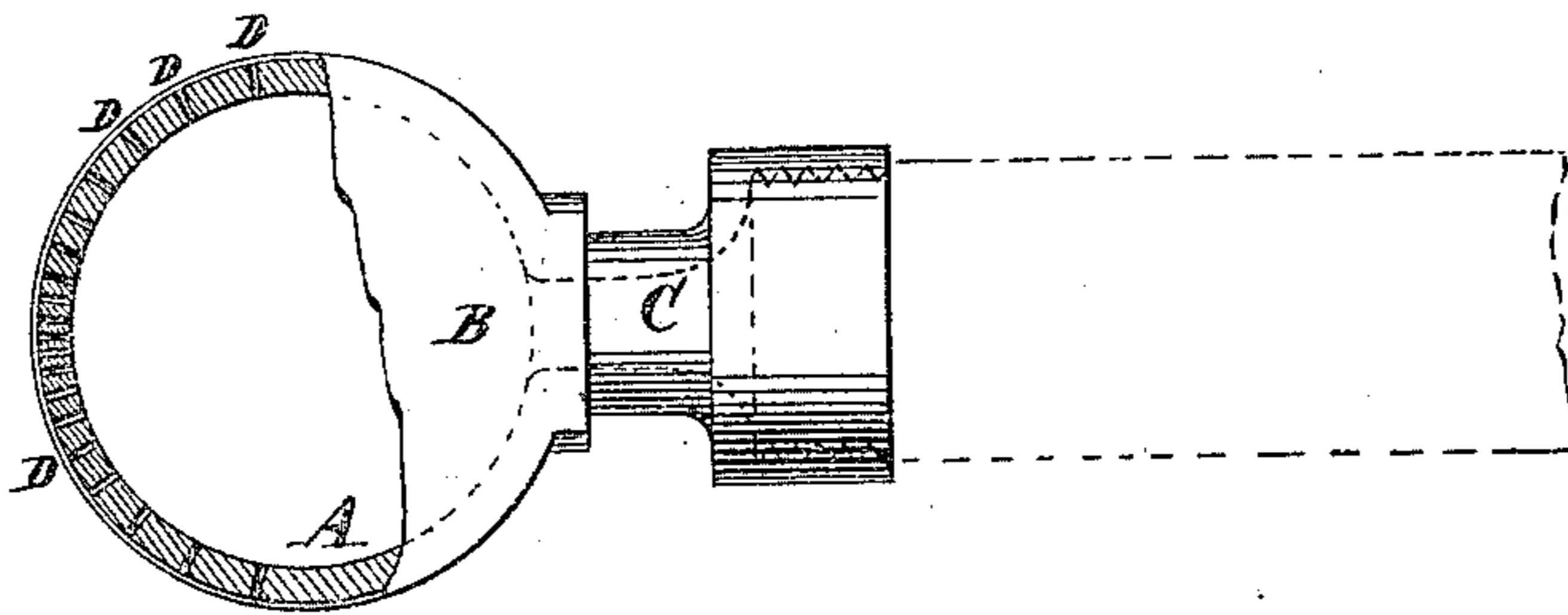
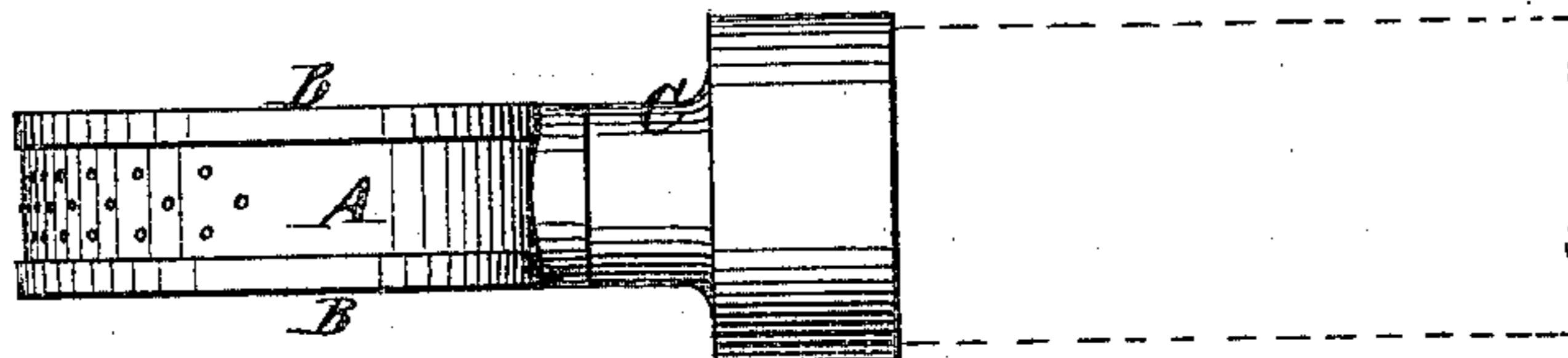


Fig. 2



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOHN C. MELCHER, OF BLACK JACK SPRING, TEXAS.

IMPROVEMENT IN SPRINKLERS.

Specification forming part of Letters Patent No. **172,467**, dated January 18, 1876; application filed November 27, 1875.

To all whom it may concern :

Be it known that I, JOHN C. MELCHER, of Black Jack Spring, in the county of Fayette and State of Texas, have invented a new and Improved Sprinkler, of which the following is a specification :

My invention consists of a short drum or hollow cylinder, with the opening or inlet for receiving the water on one side and the orifices for discharging the water on the opposite side, as will be hereinafter more fully set forth.

Figure 1 is partly a plan view and partly a horizontal section of my improved sprinkler, and Fig. 2 is a side elevation.

Similar letters of reference indicate corresponding parts.

A represents the ring or cylinder of a hollow drum, which is closed by a cap, B, at each end, and has a pipe-connection, C, at one side, for receiving the water, and the small orifices D at the opposite side for discharging it, said orifices being made in comparatively thick

metal, instead of the thin perforated sheet metal commonly used—say, about an eighteenth of an inch, or thereabout—which has the effect of causing the water to emerge in solid jets, capable of reaching over a wider range of area than it is possible for them to do when effected through the thin perforated metal, which has the effect of breaking the jets up into spray, and thus causing it to fall short. In practice the sprinkler will be made with a removable cover for convenience in cleaning it.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The sprinkler-head herein described, consisting of the ring or cylinder A, having end caps B, perforations D, and a pipe-connection, C, substantially as and for the purpose set forth.

JOHN CHARLES MELCHER.

Witnesses:

JOHN D. PARKS,

J. F. MELCHER.