

(No Model.)

A. C. RUNYAN.  
DENTAL COTTON HOLDER.

No. 344,328.

Patented June 22, 1886.

Fig. 1.

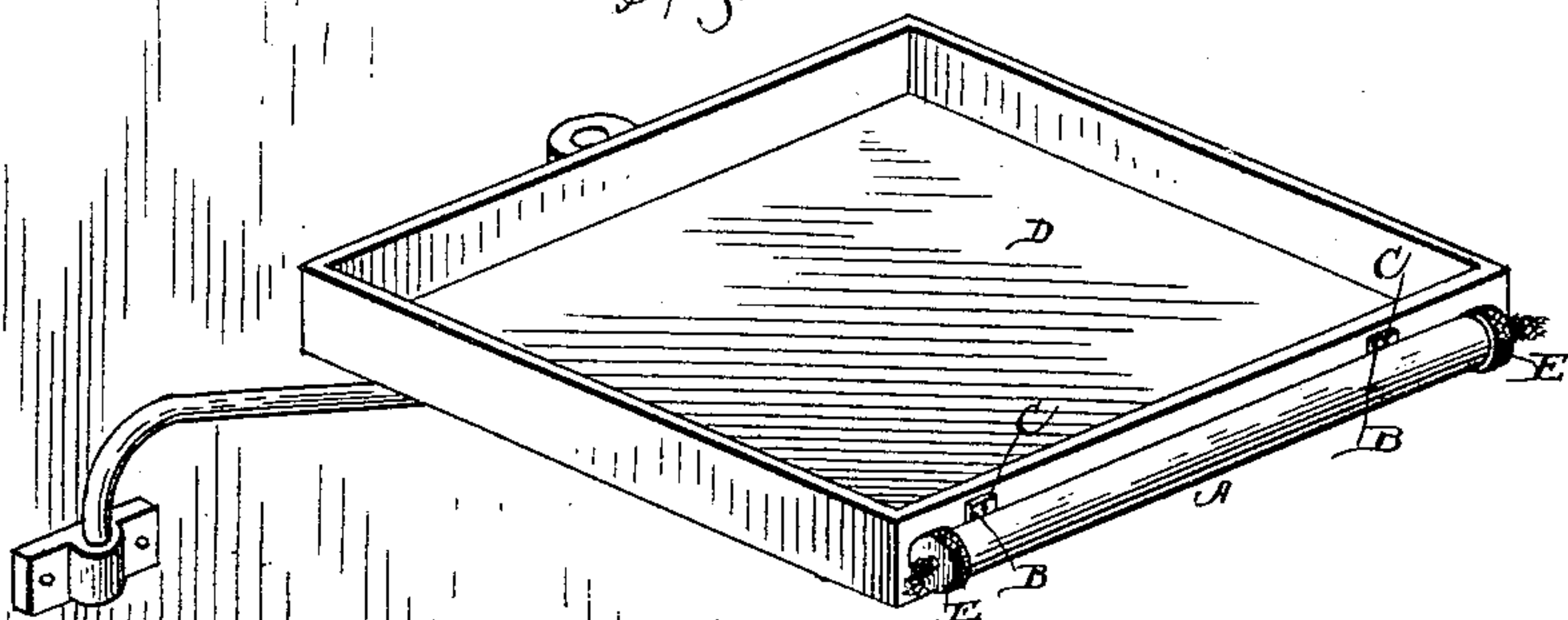
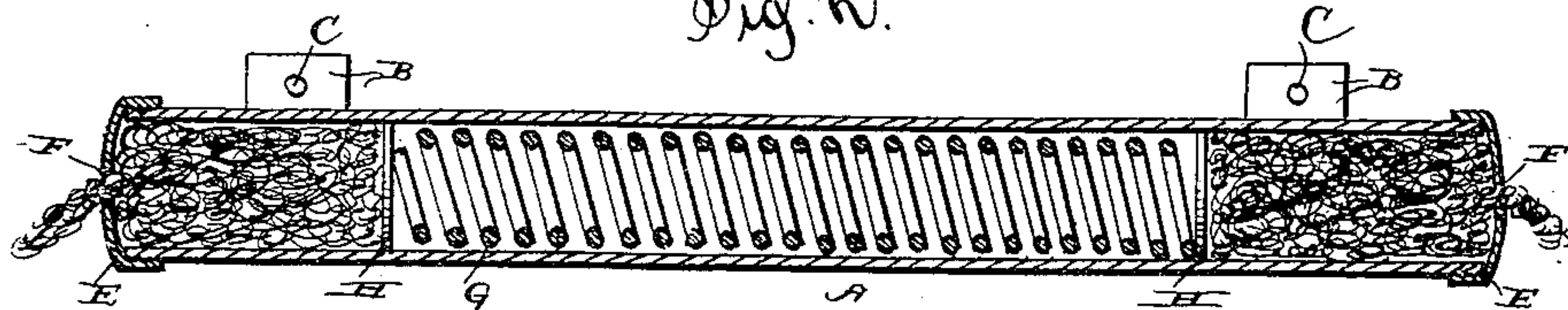


Fig. 2.



WITNESSES  
F. L. Ouraud  
Edward Stanton

Arthur C. Runyan  
INVENTOR  
By Louis Bagger & Co.  
Attorneys.

# UNITED STATES PATENT OFFICE.

ARTHUR C. RUNYAN, OF BANGOR, MICHIGAN.

## DENTAL COTTON-HOLDER.

SPECIFICATION forming part of Letters Patent No. 344,328, dated June 22, 1886.

Application filed April 30, 1886. Serial No. 200,697. (No model.)

*To all whom it may concern:*

Be it known that I, ARTHUR C. RUNYAN, a citizen of the United States, and a resident of Bangor, in the county of Van Buren and State of Michigan, have invented certain new and useful Improvements in Cotton-Holders for Dentists; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains, to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of my improved cotton-holder for dentists' use, showing it applied to a bracket; and Fig. 2 is a longitudinal vertical sectional view of the holder.

Similar letters of reference indicate corresponding parts in both the figures.

My invention has relation to holders for cotton for dentists' use; and it consists in the improved construction and combination of parts of a holder in which the cotton is forced outward at the ends of a tube by means of a spiral spring having disks or followers at its ends, and in which the cotton is prevented from being forced entirely out at the ends of the holder by screw-caps fitting upon the ends of the tube and having perforations at their centers, as hereinafter more fully described and claimed.

In the accompanying drawings, the letter A indicates a tube which is provided with plates B, secured to one side, having perforations C, for the insertion of nails or screws for securing the tube to a dentist's bracket, D, of any suitable construction. Screw-caps E E, hav-

ing milled sides, fit upon the externally-threaded ends of the tube, and have central perforations, F, through which the cotton may be picked, and a spiral spring, G, is placed within the tube, having disks or followers H H upon its ends, which force the cotton toward the perforated screw-caps, forcing portions of the cotton out through the perforations, so that it may be picked by a pair of pinchers or by a hook.

It will be seen that the cotton may be picked out at both ends of the tubular holder, and that the spring will continually keep the cotton forced toward the perforated screw-caps, so that it may be conveniently picked out, being accessible from either side of the bracket to which the holder is secured.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

In a cotton-holder for dentists' use, the combination of a tube having perforated fastening-plates, and having screw-threaded ends, caps fitting upon the screw-threaded ends, and having milled sides and central perforations, and a coiled spring within the tube having followers at both ends, the cotton being confined between the followers of the spring and the perforated screw-caps, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

ARTHUR C. RUNYAN.

Witnesses:

BURRELL TRIPP,

WILLSON D. SECORD.