

J. F. RAMSDEN & E. BOWLUS.

OILERS.

No. 174,853.

Patented March 14, 1876.

Figure 1.

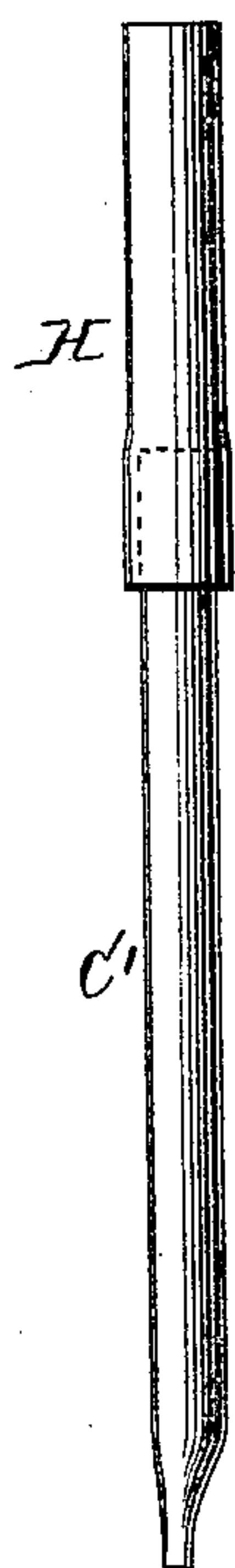


Figure 2.

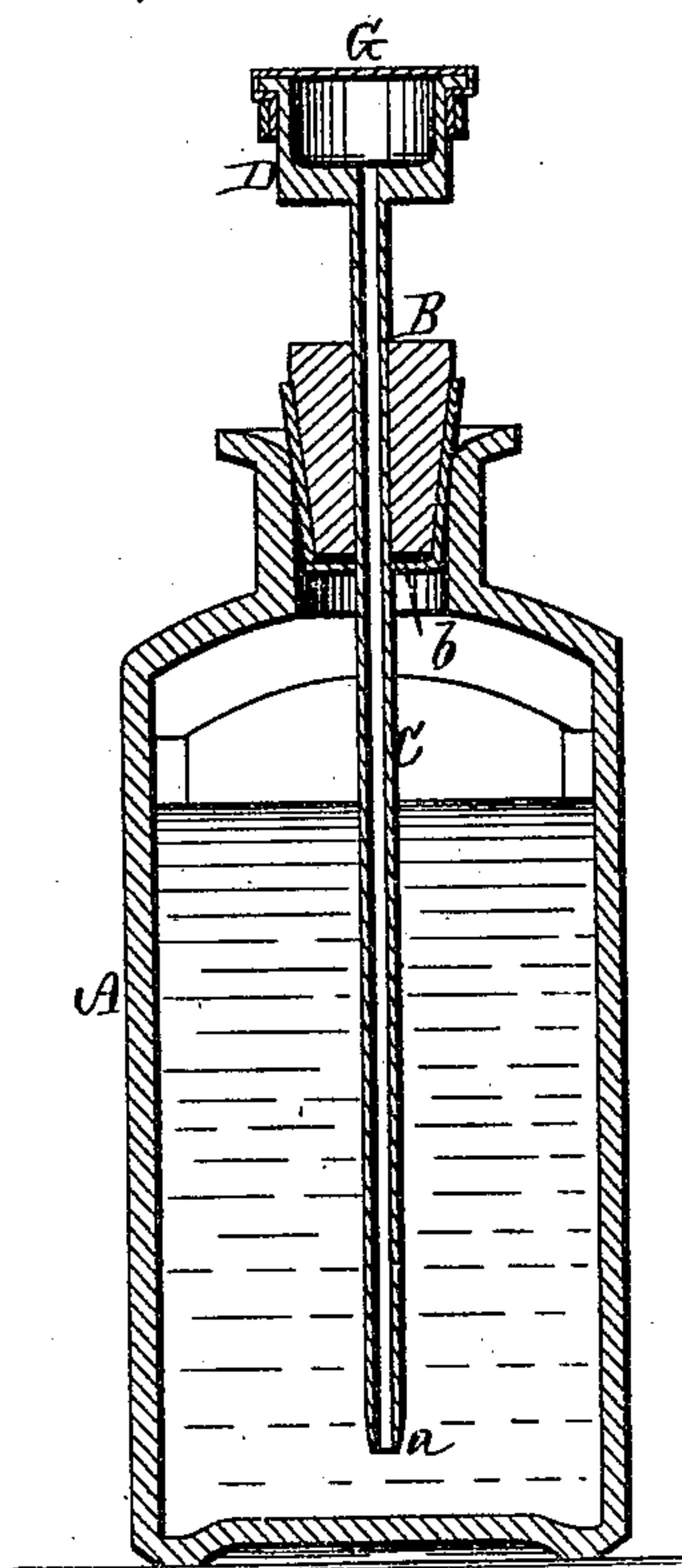


Figure 3.

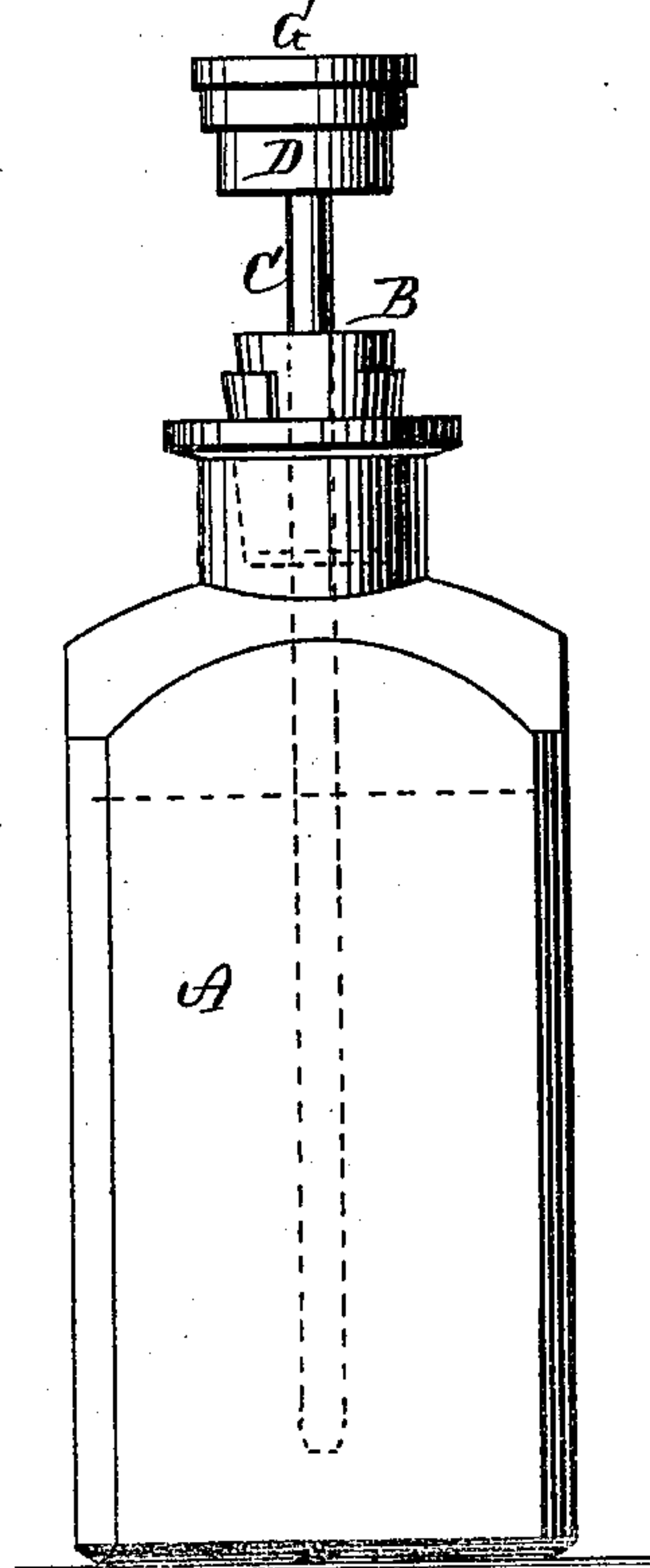
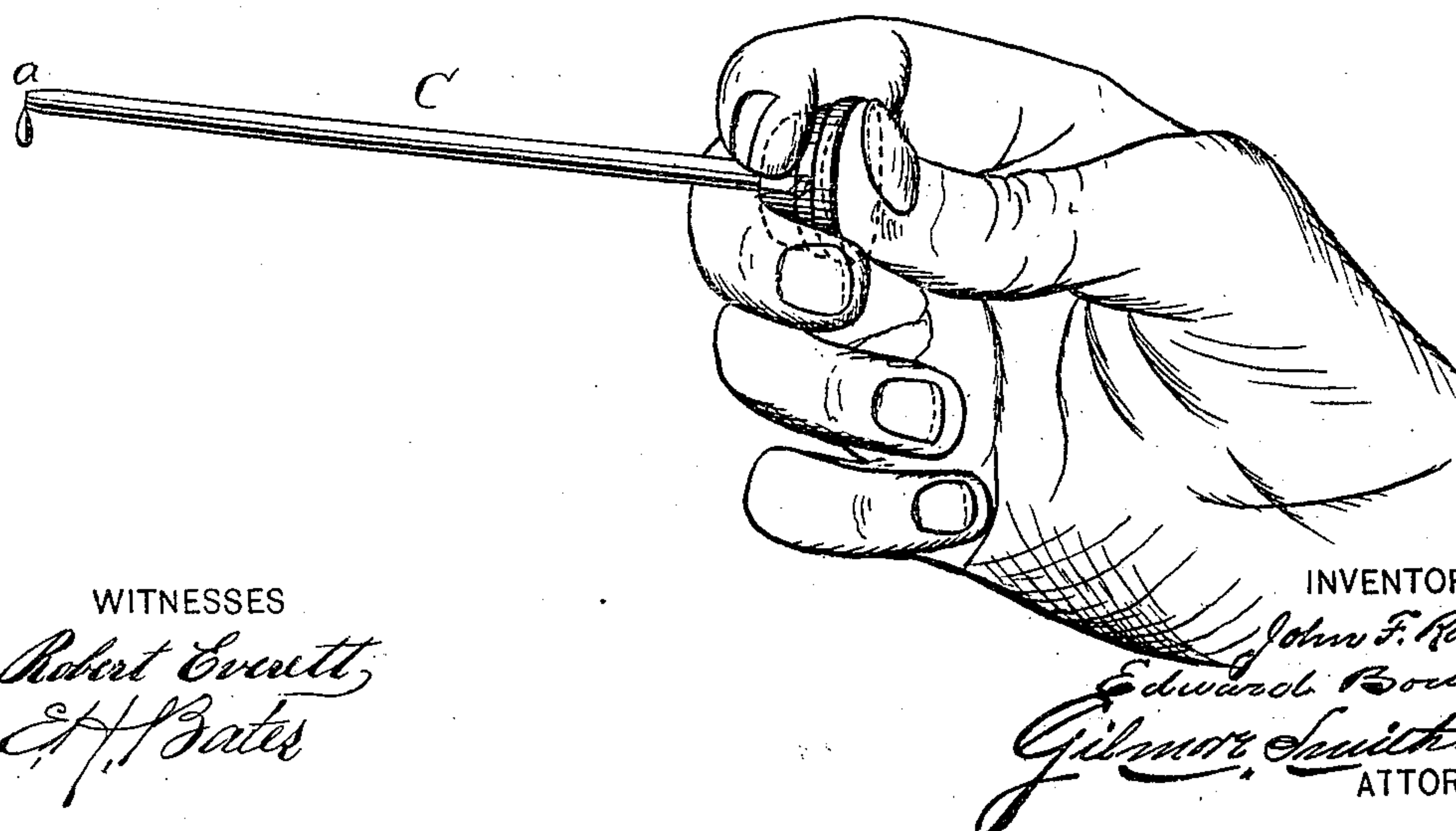


Figure 4.



WITNESSES

Robert Everett,
Et H. Bates

INVENTORS,

John F. Ramsden,
Edward Bowlus,
Gilmore, Smith & Co.,
ATTORNEYS

UNITED STATES PATENT OFFICE

JOHN F. RAMSDEN AND EDWARD BOWLUS, OF MIDDLETOWN, MARYLAND,
ASSIGNORS OF ONE-THIRD THEIR RIGHT TO P. W. SHAFER, OF SAME
PLACE.

IMPROVEMENT IN OILERS.

Specification forming part of Letters Patent No. **174,853**, dated March 14, 1876; application filed
February 12, 1876.

To all whom it may concern:

Be it known that we, JOHN F. RAMSDEN and EDW. BOWLUS, of Middletown, in the county of Frederick and State of Maryland, have invented a new and valuable Improvement in Oilers; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a plan view of our oiler, and Fig. 2 is a vertical central sectional view of a modification thereof. Fig. 3 is a side elevation of the modification, and Fig. 4 is a view of the oiler proper as used.

The nature of our invention consists in the construction and arrangement of an oiler or oiling device for sewing-machines, as will be hereinafter more fully set forth.

In the annexed drawing, A represents a bottle of sewing-machine oil as usually sold, and provided with a cork or stopper, B. C represents a metallic tube having parallel sides, or, in other words, of the same diameter throughout, except at the point *a*, which is contracted, as shown. At the upper end of the tube C is a metallic cup, D, either made of the same metal as the tube, or made separate and soldered thereto. This cup is closed on top by means of a disk, G, of rubber or other suitable material, tied or otherwise fastened to the cup, so as to make the cup and tube perfectly air-tight except at the point *a*. The tube C is passed downward into the bottle A, through a hole or perforation in the cork B, and, when thus inserted, the rubber disk G is compressed, which expels some of the air contained in the tube, and the point of the tube being immersed in the oil, on removing the pressure the oil enters the tube, when the tube is withdrawn ready for use.

The tube being of the same diameter throughout, or having parallel sides, is cleansed of any oil that may be adhering to the outside by drawing it out through the stopper B. *b* is a diaphragm of rubber or other suitable material, held to the lower end of the stopper B, so that when the tube passes through the perforation in said stopper it also passes through a minute perforation in the elastic diaphragm *b*, thus insuring the most thorough cleansing of the tube. The elastic diaphragm *b* may be stretched over the neck of the bottle and fastened thereto, in which case the perforated stopper may be dispensed with.

Instead of a metallic tube and cup, with elastic disk thereon, we may use a glass tube, C', with a short section, H, of rubber tube placed on its upper end, which will operate in the same manner.

What we claim as new, and desire to secure by Letters Patent, is—

1. The tube C, constructed with parallel sides, and provided with contracted point *a* at one end, and with the cup D and elastic disk G, or their equivalents, at the other end, substantially as and for the purposes herein set forth.

2. A perforated elastic diaphragm, *b*, attached to an oil-bottle, A, in combination with an oil-tube having parallel sides, for the purposes herein set forth.

3. The perforated stopper B and perforated elastic diaphragm *b*, in combination with an oil-bottle, A, and oil-tube C, for the purposes herein set forth.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

JOHN F. RAMSDEN.
EDWARD BOWLUS.

Attest:

J. B. SHURMEL,
NOAH BOWLUS.