

(No Model.)

W. H. RODDEN.

MUCILAGE OR LIQUID GLUE BOTTLE.

No. 362,857.

Patented May 10, 1887.

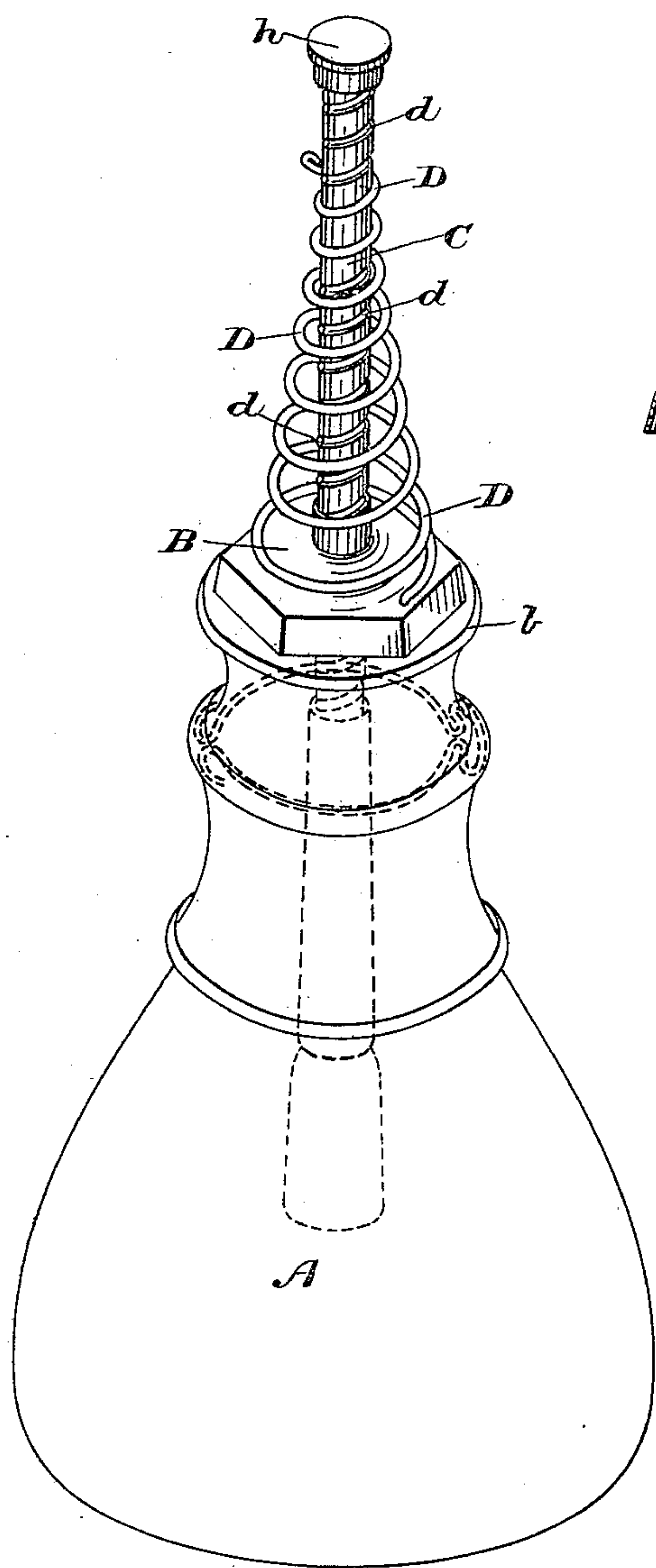


Fig. 1.

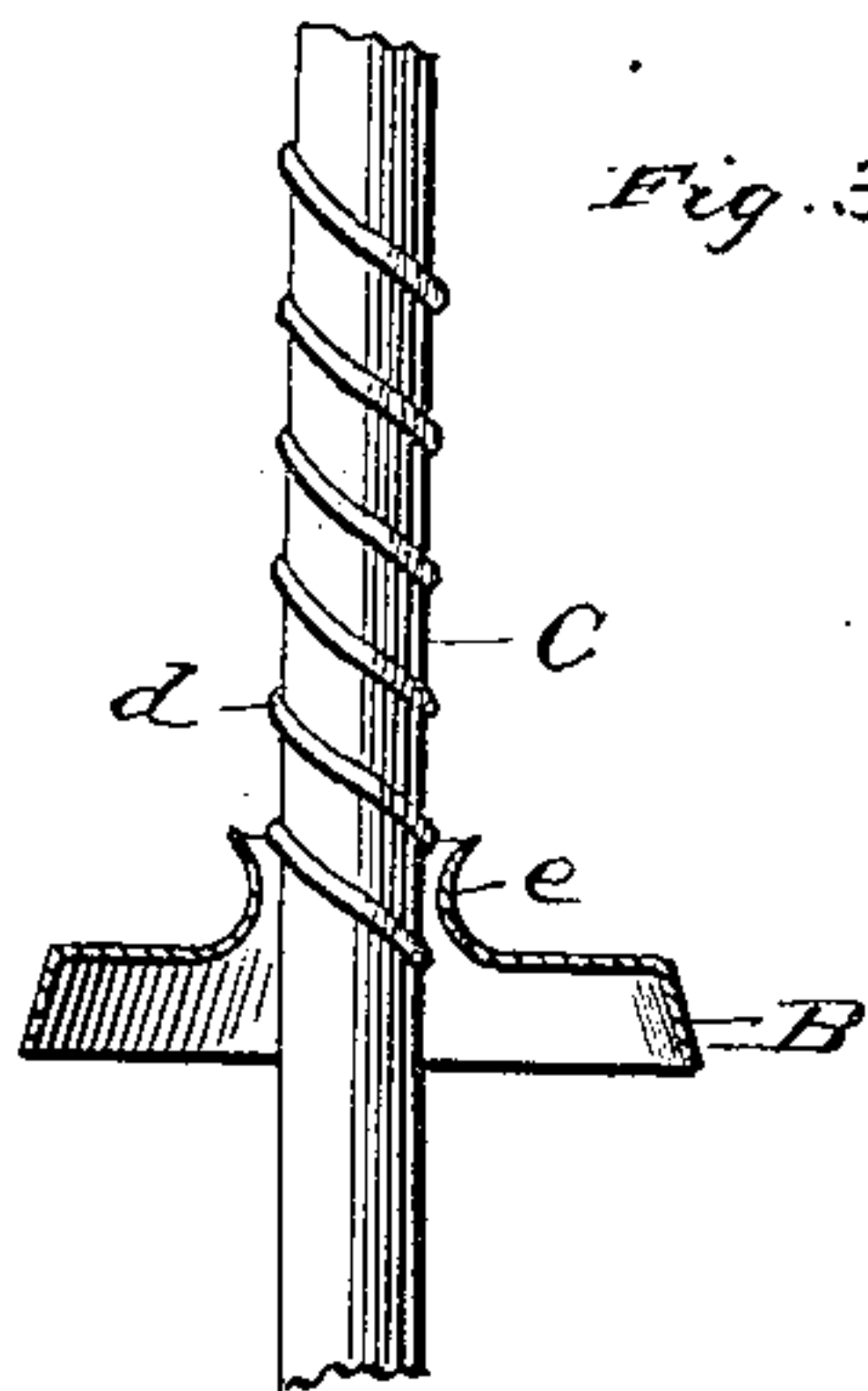


Fig. 3.

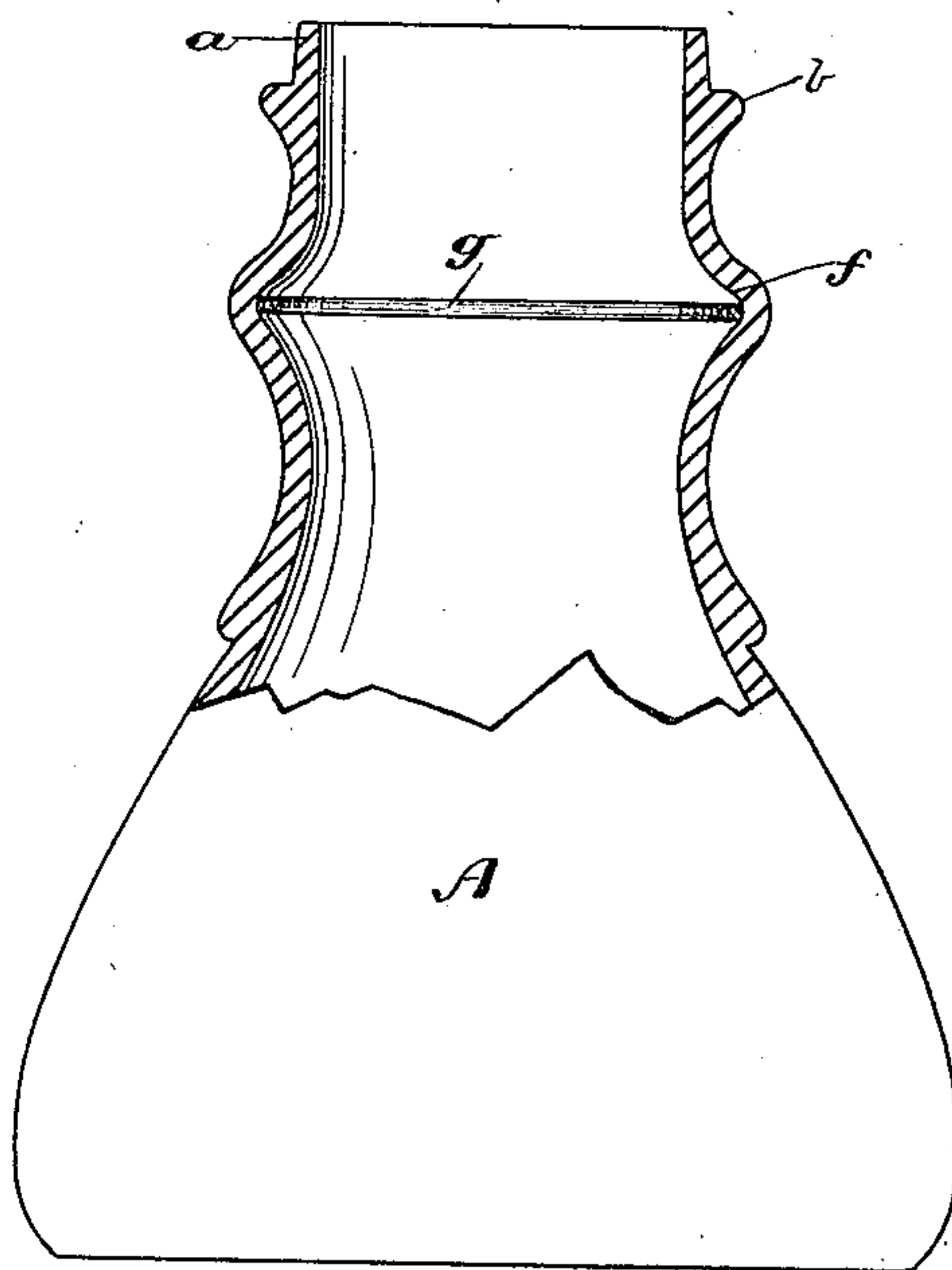


Fig. 2.

Witnesses.

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WILLIAM H. RODDEN, OF TORONTO, ONTARIO, CANADA.

MUCILAGE OR LIQUID-GLUE BOTTLE.

SPECIFICATION forming part of Letters Patent No. 362,857, dated May 10, 1887.

Application filed June 30, 1886. Serial No. 206,725. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HENRY RODDEN, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, traveler, have invented certain new and useful Improvements in Mucilage or Liquid-Glue Bottles, of which the following is a specification.

The object of the invention is to so suspend the brush used in connection with the bottle that when not required for use it shall be suspended above the surface of the mucilage or liquid glue, into which it may be instantly dipped, withdrawn for use, and laid upon the table or desk without coming in contact with any surface which it is not desired to coat.

The invention consists in the peculiar combinations and the novel construction, arrangement, and adaptation of parts, all as more fully hereinafter described and claimed.

Figure 1 is a perspective view of the mucilage-bottle provided with my improved attachments. Fig. 2 is a sectional view of the same. Fig. 3 is a sectional detail.

In the drawings, A represents the mucilage-bottle, the top edge, *a*, of the neck of the bottle being polygonal, or such other shape as shall prevent the cap fitting it from turning, a flange or projecting ledge, *b*, being formed at the base of the edge *a*, constituting a seat for the bottom edge of the cap B, which is shaped, as shown, to fit loosely the top edge, *a*, of the bottle A. The handle C of the brush has a screw, *d*, formed on it, either in the shape of a groove, as indicated in Fig 1, or in that of a raised screw, as seen in Fig. 3.

A helical spring, D, made conical in shape, is connected at its bottom or base end to the cap B, its upper end being connected, as shown, to the screw *d* formed in the handle C, which handle passes through a hole in the center of the cap B, having an outwardly-flaring collar, *e*, formed around it. The collar *e* is flared so that the handle C will not be scraped when it is adjusted vertically.

The cone-shaped spring D permits the handle C to be pressed down much more readily and a much greater distance in proportion to the height of said spring than it would were the helical spring made parallel with the handle.

I deem it important that the cap B shall be square or polygonal in shape, so that when it

is removed with the brush-handle C it will not roll out of position when placed on a table or desk, supporting the brush clear of any surface other than that it is desired to coat in the ordinary manner. Furthermore, this form of cap prevents the same from turning when the handle is turned to adjust the height of the brush.

By supporting the brush by means of a spring and screw, as specified, I am able to readily adjust it so that it shall always, when in its normal position, be suspended above the surface of the mucilage or liquid glue contained in the bottle A. An annular groove, *f*, is made in the side of the neck of the bottle to receive the drip-bar *g*, which is sprung into the groove *f*, and is thus held in position to act as a scraper to remove any surplus mucilage or glue from the brush upon its removal from the bottle for use. A knob or head, *h*, is formed upon or attached to the top end of the handle C, so as to prevent the latter from being screwed through the spring D away from the grip of the latter.

Although I refer only to a bottle, it will of course be understood that any suitably-shaped vessel may be used in connection with my invention.

What I claim as my invention is—

1. A brush provided with a handle, C, having a screw, *d*, formed on it, in combination with a conical-shaped helical spring, D, connected at its top end with the screw *d* and at its bottom or base end to the cap B.

2. A cap, B, fitted onto the top edge, *a*, of the bottle or vessel A and having an outwardly-flaring collar, *e*, formed around a hole made in the said cap, in combination with the brush-handle C, connected to the cap B by means of a conical-shaped helical spring, D, substantially as and for the purpose specified.

3. A brush-handle, C, having a screw, *d*, formed on it to receive the upper end of the conical-shaped helical spring D, which connects it, as specified, to the cap B, in combination with a knob or head, *h*, formed on the top of the handle C, substantially as and for the purpose specified.

Toronto, June 15, 1886.

W. H. RODDEN.

In presence of—

CHAS. C. BALDWIN,
J. M. JACKSON.