T. B. HEWITT.

Tools for Holding Glass Bottles.

No. 145,945. Patented Dec. 30, 1873.

FIG. 1

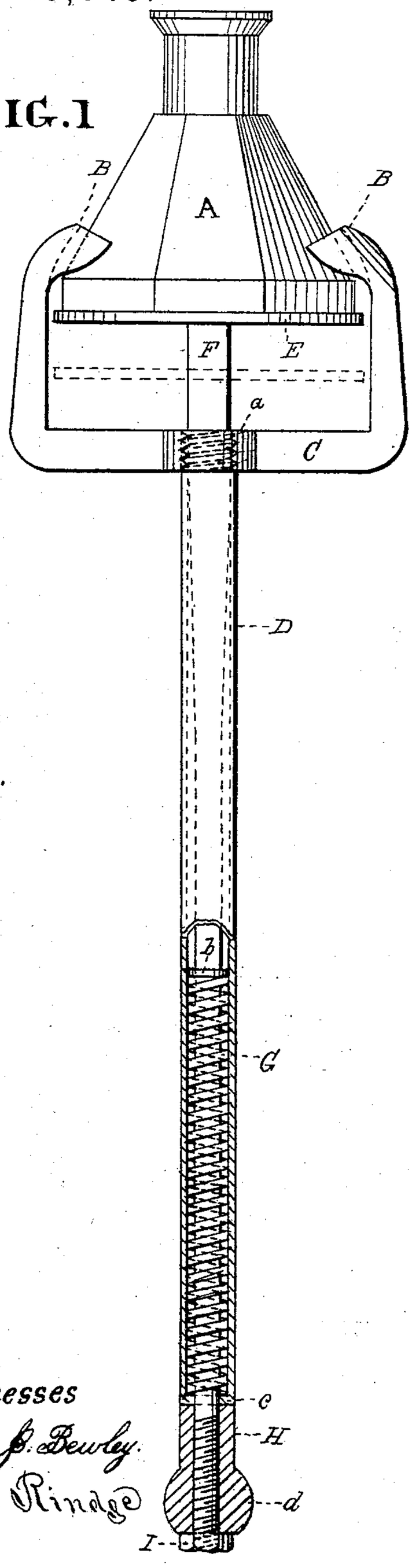
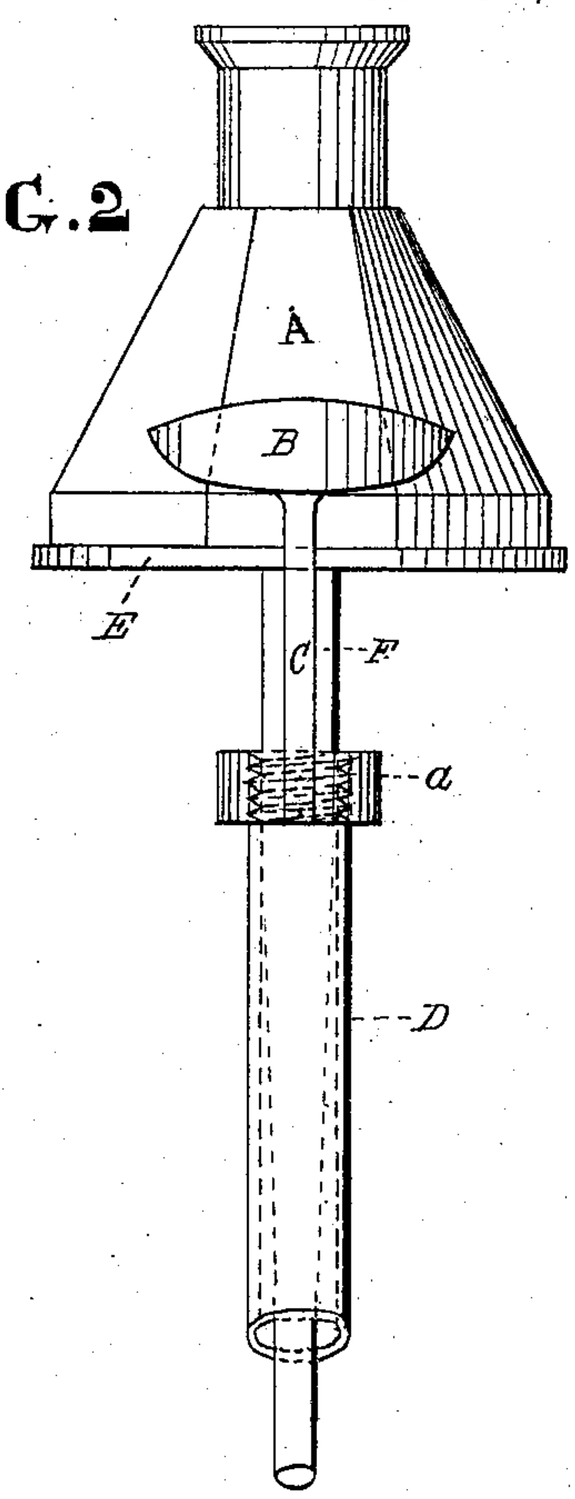


FIG. 2



Witnesses
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UNITED STATES PATENT OFFICE.

THOMAS B. HEWITT, OF WILLIAMSTOWN, NEW JERSEY, ASSIGNOR OF ONE-HALF HIS RIGHT TO JOHN F. BODINE.

IMPROVEMENT IN TOOLS FOR HOLDING GLASS BOTTLES.

Specification forming part of Letters Patent No. **145,945**, dated December 30, 1873; application filed September 4, 1873.

To all whom it may concern:

Be it known that I, THOMAS B. HEWITT, of Williamstown, in the county of Gloucester and State of New Jersey, have invented an Improvement in Tools for Holding Glass Bottles, of which the following is a specification:

The object of my invention is a convenient device for the holding of bottles by glass-blowers while the mouth is constructed. The invention consists in the combination of a spring-rod provided with a clasping-plate with a tube having clasping-jaws, in such a manner that the yielding of the spring admits of the clasping-plate receding from the jaws as the bottle is pushed into place, with its base between the plate and jaws, the spring bearing the plate toward the jaws with sufficient force to hold the bottle in position for the construction of the mouth, as hereinafter fully described.

Figure 1 is a side view of my improved bottle-holder. Fig. 2 is an edge view of the same.

Like letters of reference in both figures indicate the same parts.

A is a bottle with the mouth in its finished state. B B are clasping-jaws, at the ends of the bent strip C; and D, a tube, which has a screw-connection with the hub *a* of said strip.

E is a clasping-plate, on one end of the rod F, which has free play in the tube D. Around the outer end of the rod there is a wire spring, G, one end of which bears against the collar *b*, and the other against the annular flange *c*, in the outer end of the tube. H is a short piece of tube, having a bulb, *d*, for convenience in holding the tool. On the extreme outer end of the rod F is a nut, I, which secures the parts together, being adjustable on the rod in adaptation to bottles of different sizes, and so as to bring the clasping-plate and jaws toward each other with sufficient force to clasp the bottle securely for the construction of the mouth without indenting the sides.

The bottle A is expeditiously brought into its clasped position with the holder by placing its bottom at one edge of the clasping-plate E, and pushing it forward, with its base between the plate and the clasping-jaws B B, the spring G yielding to admit of the plate receding from the jaws until the bottle is placed in position. The clasping-plate E is prevented turning around by the square part *e* of the rod fitting in a corresponding hole in the flange *c* of the tube D. The bottle is released from the holder by the workman drawing the rod F outward by means of the bulb-piece H on its outer end, so as to draw the clasping-plate E away from the bottom of the bottle, as represented by dotted lines in Fig. 1.

I claim as my invention—

The rod F, having on its upper end a plate, E, for seating the bottle, and on its lower end an adjustable nut, I, and bulb H, in combination with the tube D, provided at its lower end with the spring G, and having clasping-jaws B B permanently connected with its upper end, substantially in the manner and for the purpose set forth.

THOMAS B. HEWITT.

Witnesses:

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