(No Model.)

J. A. CONWELL.

DISTRIBUTING ROLLER FOR MUCILAGE, GUM, &c.

No. 305,895. Patented Sept. 30, 1884.

Fig. 1.

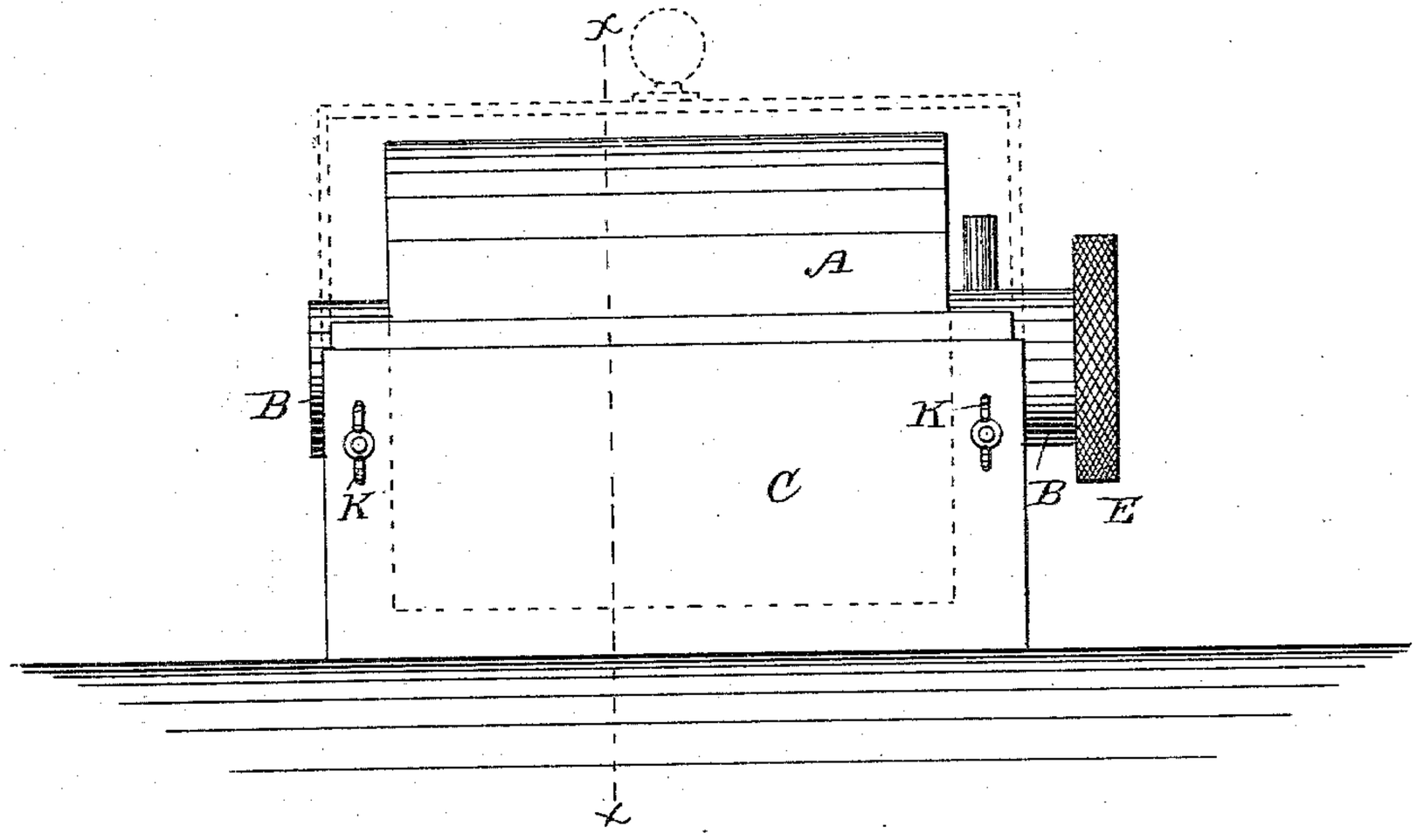


Fig. 2.

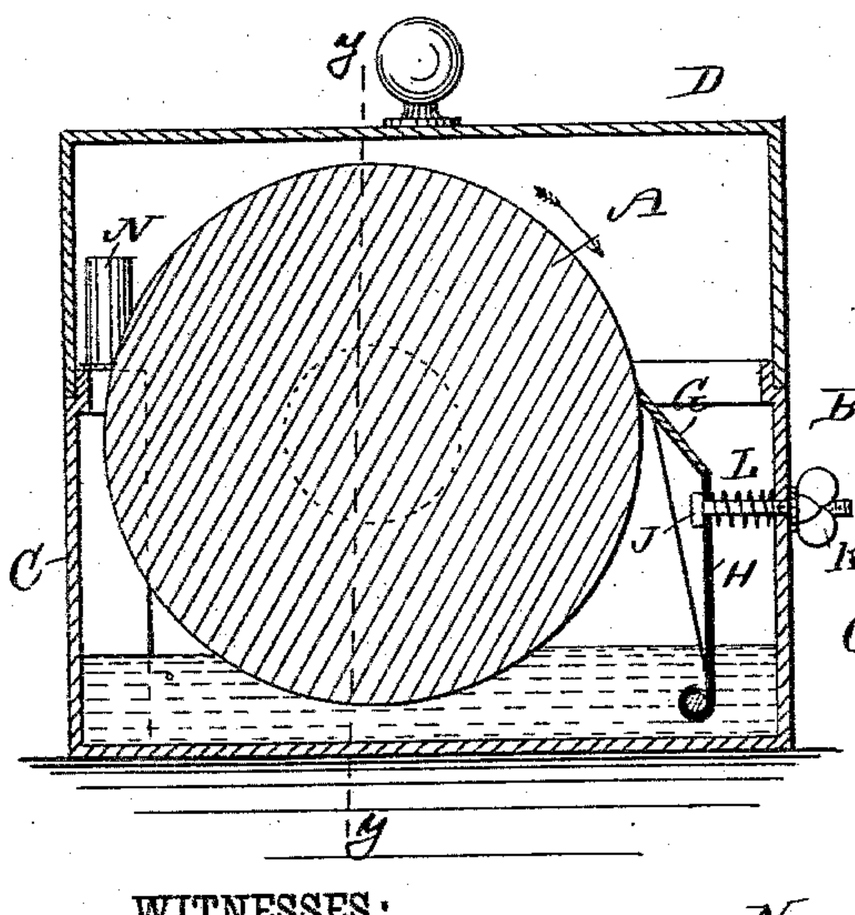
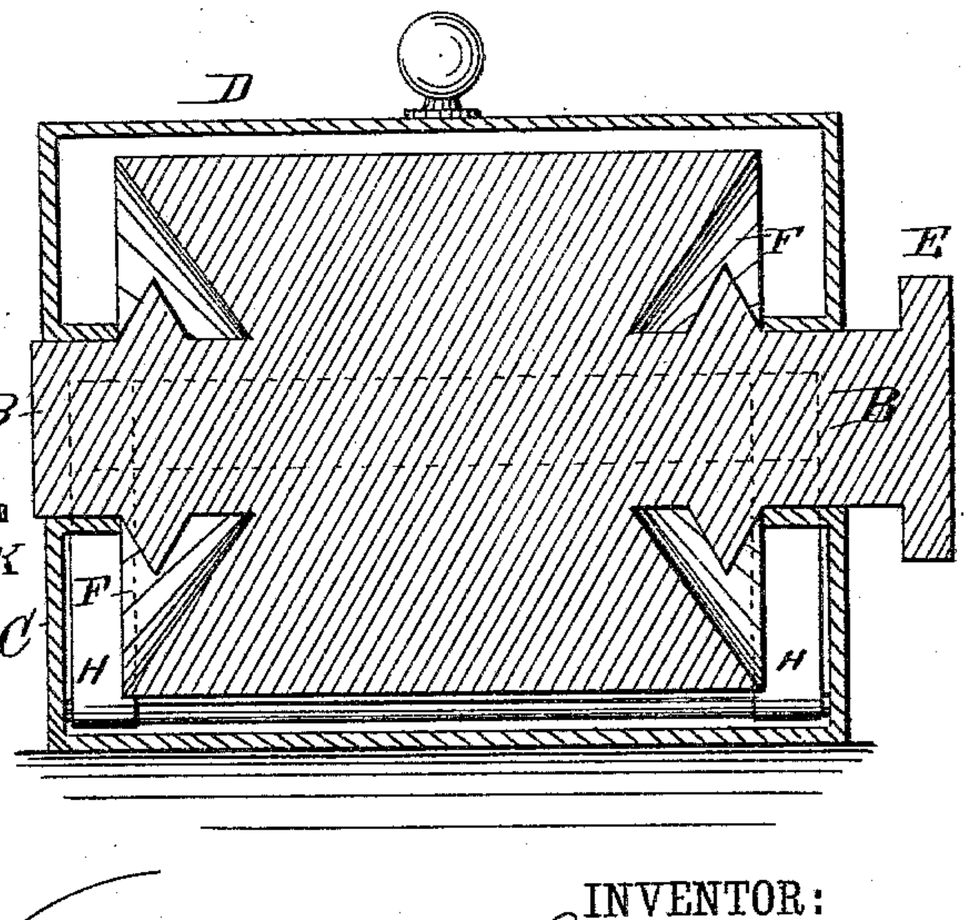


Fig. 3.



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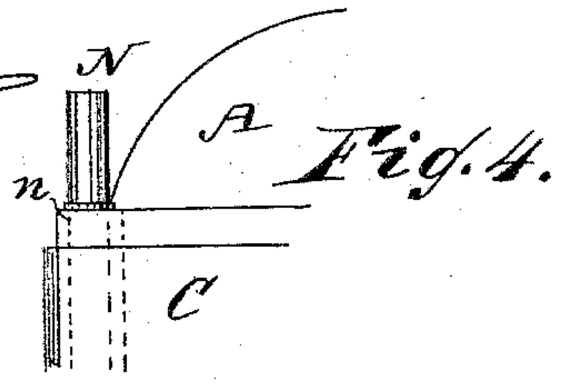

Fig. 4.

INVENTOR:

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BY Munn & Co

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UNITED STATES PATENT OFFICE.

JOSEPH A. CONWELL, OF VINELAND, NEW JERSEY.

DISTRIBUTING-ROLLER FOR MUCILAGE, GUM, &c.

SPECIFICATION forming part of Letters Patent No. 305,895, dated September 30, 1884.

Application filed May 28, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH A. CONWELL, of Vineland, in the county of Cumberland and State of New Jersey, have invented a new and Improved Distributing-Roller for Mucilage, Gum, &c., of which the following is a full clear, and exact description.

The object of my invention is to provide a new and improved device for applying mucilage on labels, &c.

The invention consists in a roller provided at each end with an annular groove inclined inward from the rim toward the longitudinal central axis, thereby forming pockets for the mucilage flowing down the ends of the roller.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal elevation of my improved mucilage-cup with the cover removed. Fig. 2 is a cross-sectional elevation on line *x x* of the same, showing the cover in place. Fig. 3 is a longitudinal sectional elevation on line *y y* of Fig. 2. Fig. 4 is an end view of part of the box.

A roller, A, of wood, metal, or other suitable material, is provided with end pivots, B, resting in suitable journal boxes or bearings in the ends of a box, C, provided with a cover, D. The box C is slightly longer than the roller A at each end. One of the pivots B is provided on its outer end with a small hand-wheel, E, or like device for turning the roller. The roller A is provided at each end with an annular groove, F, which is inclined inward and from the outer edge toward the longitudinal central axis of the roller, as shown in Fig. 3. When the roller A is revolved, the mucilage, &c., contained in the box, and into which mucilage the roller dips, cannot flow down the ends of the roller upon the pivots and journals, but flows down the inclined end grooves into the pockets formed by the same, and then flows out of the said pockets into the box as the roller revolves. A scraper, G, is attached to two end pieces, H, pivoted in some suitable manner to the ends of the box near the bottom. Screw-pintles J pass from the end pieces through the front of the box, and on the outer ends of the said pintles winged nuts K are screwed. Spiral springs L surround the pintles J, between the front of the box C and the end pieces H, and press the scraper-plate G against the roller. The force with which the scraper is pressed on the roller can thus be regulated easily by means of the nuts K. The scraper G removes the surplus of mucilage from the roller A, and leaves the same only moistened with mucilage. The label, &c., to be provided with mucilage need only be pressed on the roller A, and then, by turning the roller in the direction of the arrow in Fig. 2, the scraper will raise the edge of the label, so that it can be readily removed. It will thus be seen that the scraper performs a twofold function—viz., that of a scraper and label-lifter. An opening, *n*, for a mucilage-brush, N, is formed between one end of the box and the corresponding end of the roller A, to permit applying the mucilage by means of a brush. The above-described roller can also be used to apply other viscous liquids, such as printers' ink, varnish, &c.

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

A distributing-roller for mucilage, gum, and other viscous liquids, constructed with annular grooves in the ends, the said grooves being inclined inward and from the periphery toward the longitudinal axis of the roller, substantially as herein shown and described, and for the purpose set forth.

JOSEPH A. CONWELL.

Witnesses:
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A. L. WOLCOTT.