

(Model.)

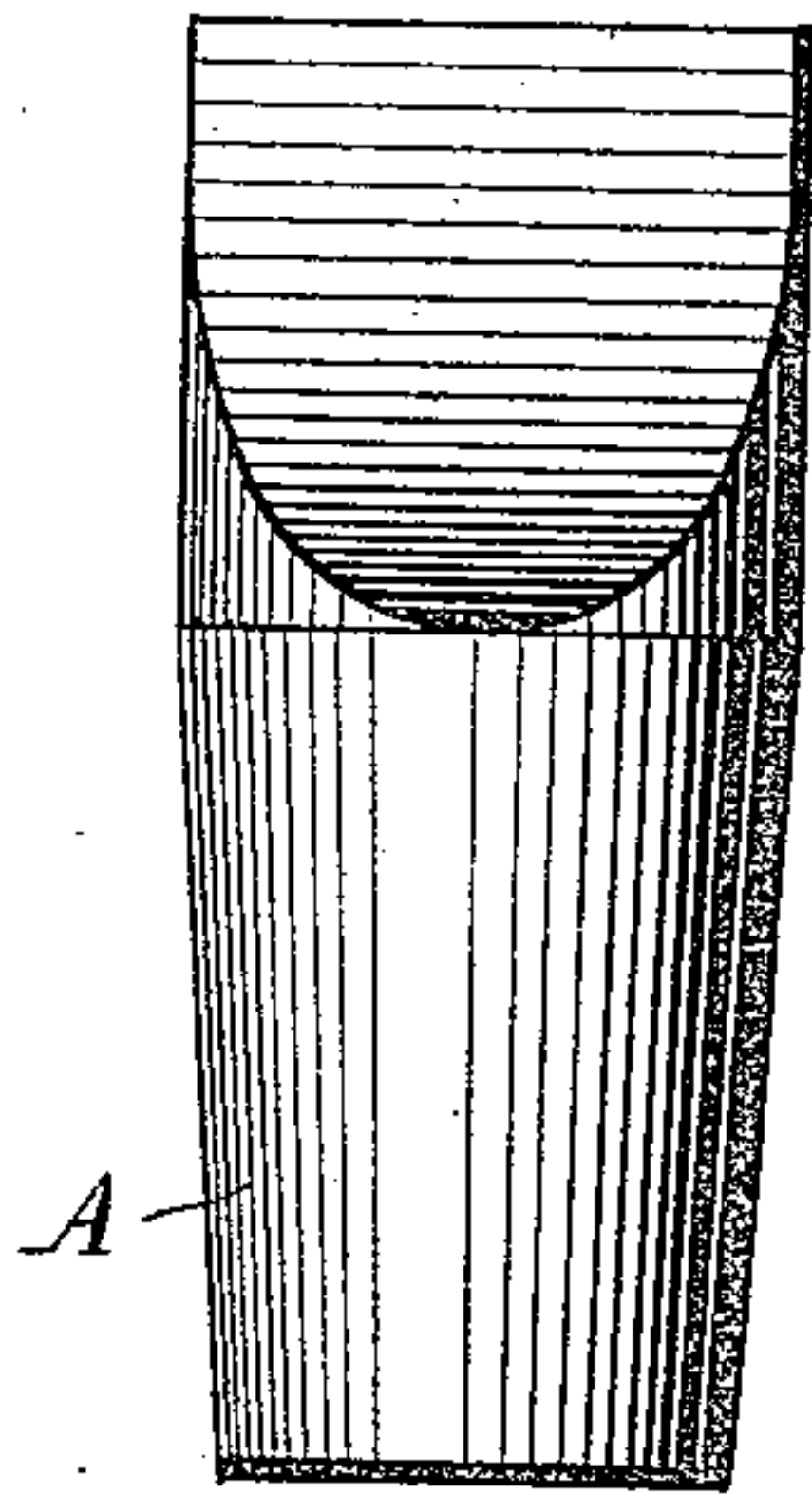
W. V. BENNETTS, J. M. LEWIS & S. A. HATCH.

BOTTLE STOPPER AND APPLICATOR.

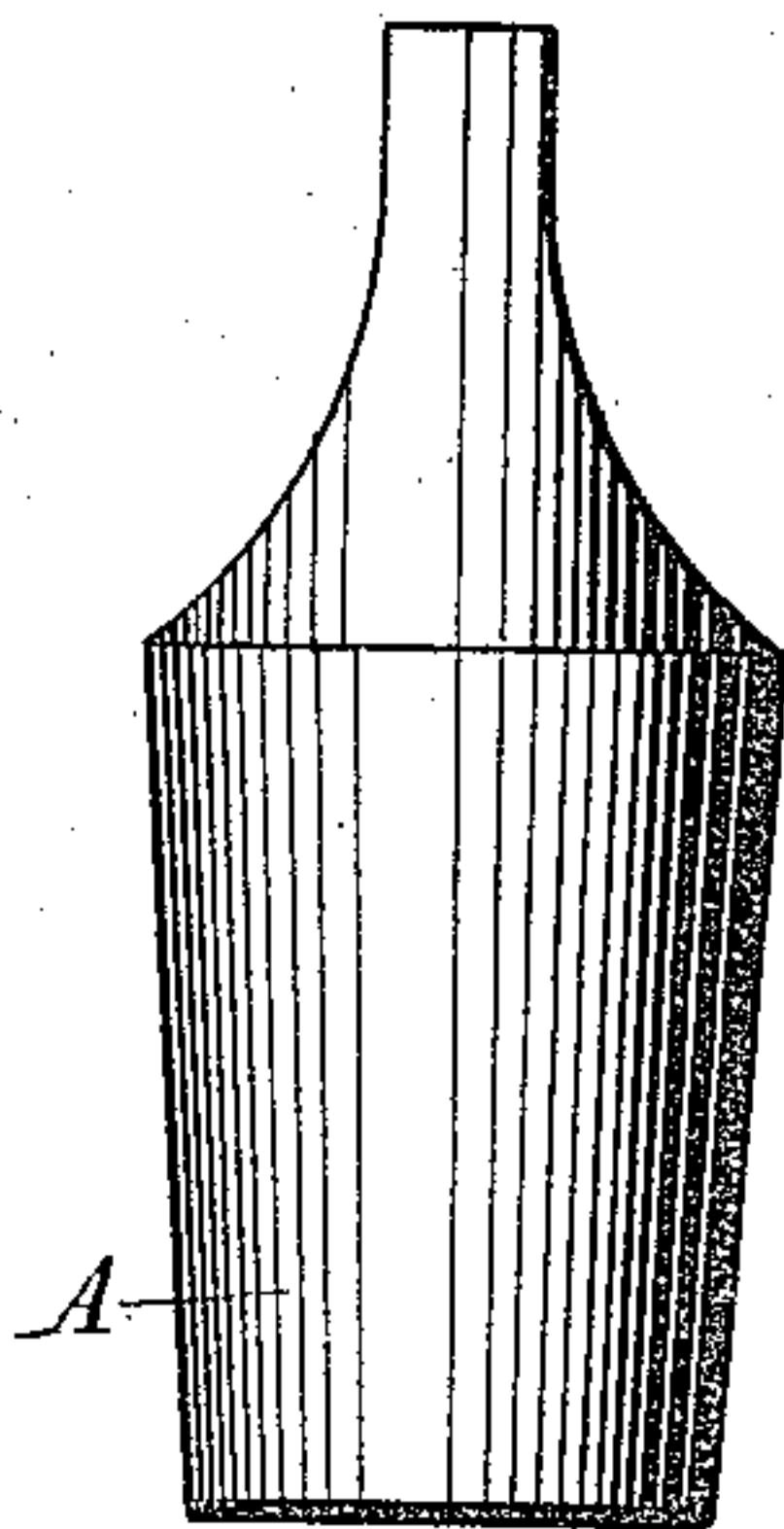
No. 442,743.

Patented Dec. 16, 1890.

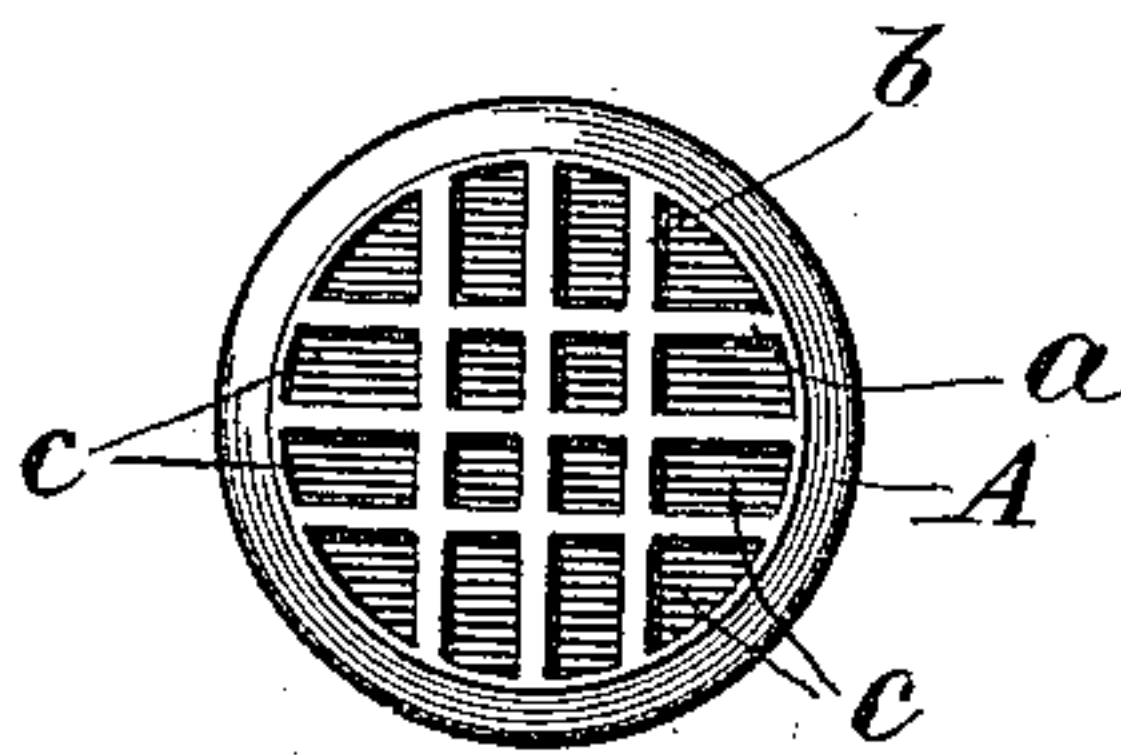
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses:*  
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*William V. Bennetts*  
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# UNITED STATES PATENT OFFICE.

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BLOOMINGTON, WISCONSIN.

## BOTTLE-STOPPER AND APPLICATOR.

SPECIFICATION forming part of Letters Patent No. 442,743, dated December 16, 1890.

Application filed April 4, 1890. Serial No. 346,629. (Model.)

*To all whom it may concern:*

Be it known that we, WILLIAM V. BENNETTS, JAMES MONROE LEWIS, and SILAS A. HATCH, citizens of the United States, residing at  
5 Bloomington, county of Grant, and State of Wisconsin, have invented a new and useful Cork or Stopple and Applicator; and we do declare that the following is such full, clear, and exact description of the invention as will enable those skilled in the art to which it apper-  
10 tains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figures 1 and 2 are views from two different  
15 sides of our improved stopper. Fig. 3 is a plan view of the bottom of the stopper or applicator.

A designates our stopper, which is preferably made of india-rubber; but as material is  
20 not essential it may be made of cork, wood, or any other suitable substance. Owing to one of the uses for which our stopper is designed—namely, that of an applicator or brush—we find rubber to be the best material.

25 *a* and *b* designate ridges or elevations upon the bottom of the stopper, forming a corrugated or pitted surface, the pits or cavities *c* being formed by the intersections of said ridges *a* and *b*.

30 Besides using the stopper A simply as a stopper for bottles, jugs, and other such vessels, we use it as an applicator or brush where-with to apply fluid medicine or other medicine (whether fluid, pasty, or dry) to the horn-  
35 germs or horn-buttons of calves and lambs for the purpose of stopping the growth of the horns on said animals. Hence our invention has the double function of a bottle-stopper and an applicator. The said cavities or pits  
40 adapt the stopper to hold and retain the medi-

cine or substance which it is desired to apply to the horn-germs of animals, and the corrugated or roughened surface of the applicator adapts it to chafe the skin or the horn germ of the animal when on applying it the applicator is given a twisting or rotary motion or  
45 a side or sliding motion. The applicator thus serves to abrade the surface and at the same time to deposit the medicine or substance carried in the cavities or pits thereof on the  
5 abraded or chafed surface.

The elevations *a* and *b* are represented as crossing each other at right angles in parallel lines. One set of these lines of ridges might be drawn in concentric rings or circles and the other set might be drawn as radii of the circles, or the lines of ridges might be drawn at acute or obtuse angles, or in any direction whatever, so as simply to form proper cavities to hold the substance to be applied.

This applicator may be used not only to apply medicine to horn-germs, but to the skin of any animal whatever in making applications to any wounds, sores, or disabilities whatever needing such applications.

Having thus described our invention, what we claim, and desire to secure by Letters Patent of the United States, is—

A bottle-stopper having integral therewith series of ridges crossing each other on its lower face, whereby series of cavities and abrading edges are formed, as and for the purpose set forth.

WILLIAM V. BENNETTS.  
J. MONROE LEWIS.  
SILAS A. HATCH.

In presence of—

P. BARTLEY,  
M. F. WOODHOUSE.