

No. 725,590.

PATENTED APR. 14, 1903.

F. C. RIELY.  
CLOSURE FOR JARS OR BOTTLES.

APPLICATION FILED AUG. 24, 1901.

NO MODEL.

Fig. 1.

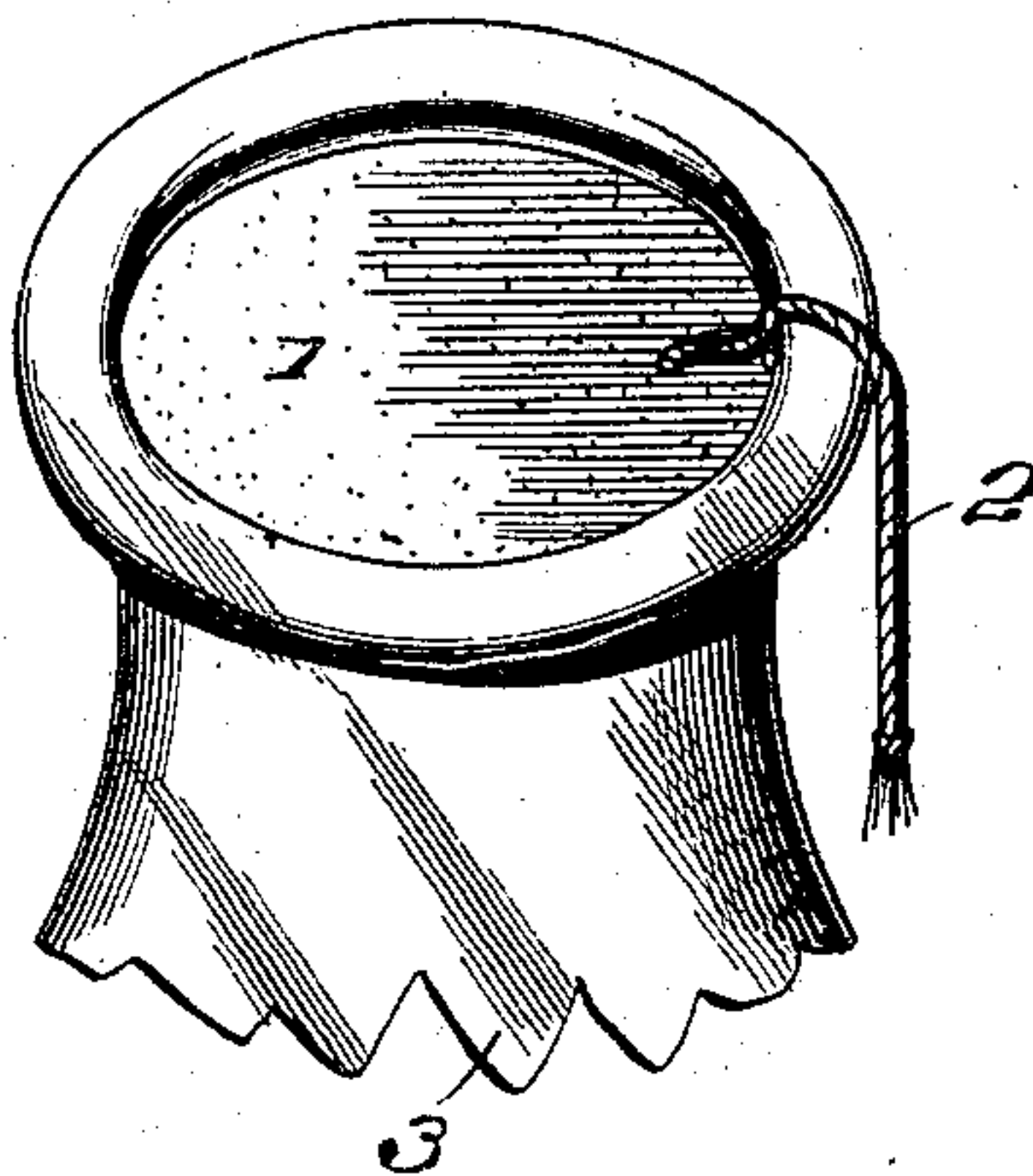


Fig. 2.

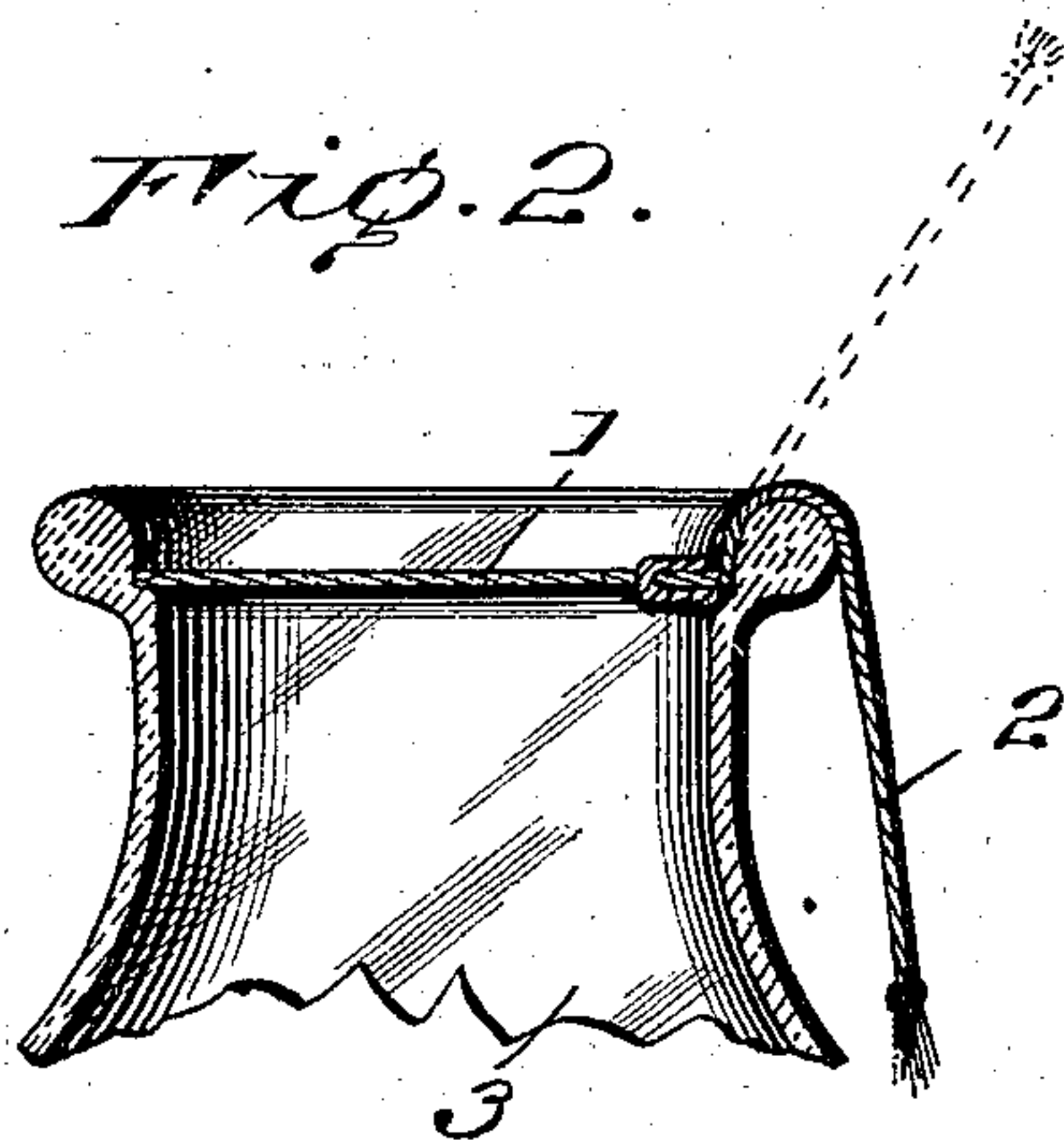
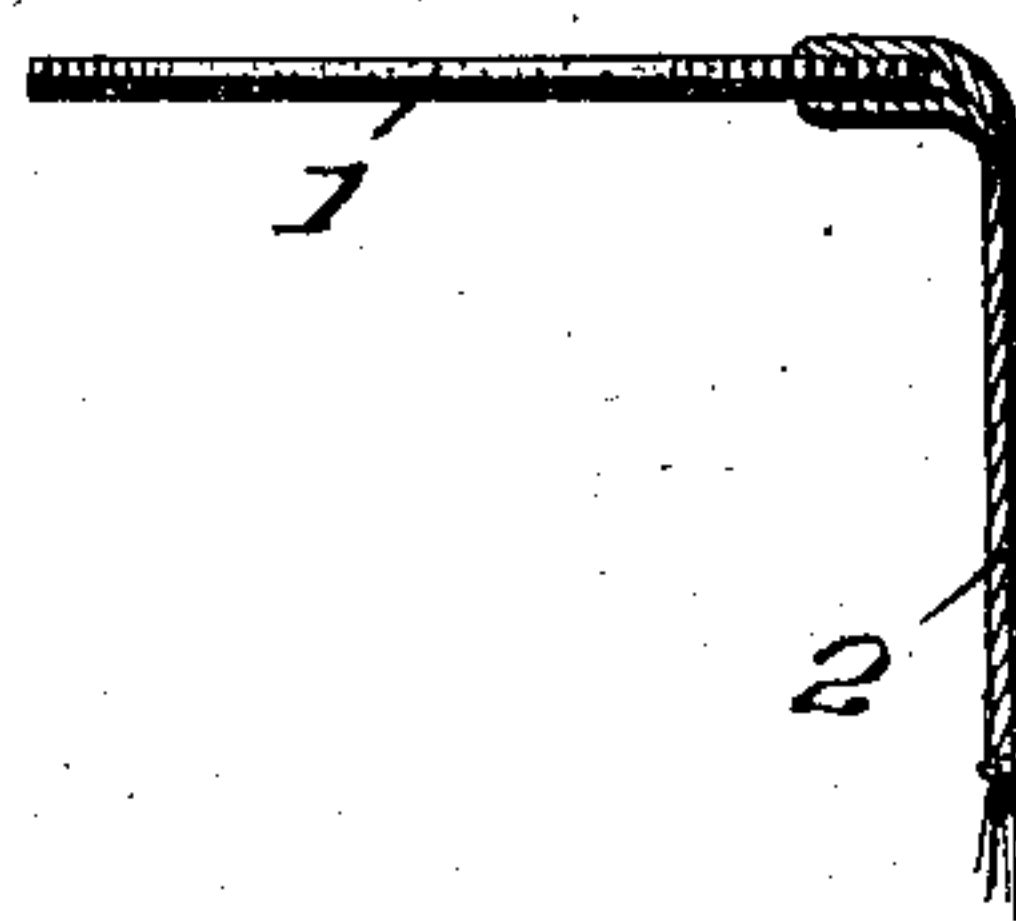


Fig. 3.



Witnesses

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# UNITED STATES PATENT OFFICE.

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## CLOSURE FOR JARS OR BOTTLES.

SPECIFICATION forming part of Letters Patent No. 725,590, dated April 14, 1903.

Application filed August 24, 1901. Serial No. 73,171. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK C. RIELY, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Closures for Jars or Bottles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to closures of the disk variety used chiefly for sealing milk-jars and aims to combine therewith a novel form of pull to facilitate the removal of the disk from the mouth of the jar when it is required to gain access to the contents thereof.

An essential feature of the invention is the ease with which the invention can be applied to disk stoppers on hand and at a trifling cost compared with the resultant advantages and benefits to the merchant and customer.

The invention enables either side of the stopper to be placed uppermost, thereby greatly simplifying the sealing of the jars or bottles.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and drawings hereto attached.

While the essential and characteristic features of the invention are susceptible of modification, still the preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the upper portion of a milk-jar closed by a stopper embodying the invention. Fig. 2 is a vertical section, the full lines showing the loose end of the pull hanging over the end of the jar and the dotted lines showing the position of the pull when drawn upon in an upward direction. Fig. 3 is an edge view of the closure or disk stopper.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The closure or stopper 1 is of disk form, being cut from sheet material, such as cardboard or heavy paper. The pull 2 is flexible and in the preferred form consists of a length of string, although tape or like material may be used. The string is passed entirely through an opening near the edge of the stopper and in practice is adapted to hang over the edge of the jar, bottle, or the like, as shown by the full lines in Fig. 2, to be drawn upon when it is required to remove the stopper from the said jar. The string or loose end of the pull 2 may be elevated and drawn upon in an upward direction, as shown by the dotted lines in Fig. 2. When the stopper is in position, the string passes downward therethrough from the top side outward along the bottom side and upward around the edge of the stopper. This is clearly shown in Figs. 1 and 2.

The preferred form of the invention is clearly illustrated and consists of a string threaded or otherwise passed through an opening formed in the stopper and having its end portions brought together and either twisted or knotted, or both, the knot preventing the pulling of the string through the opening. The folded parts of the string embrace opposite sides of the stopper, thereby admitting of either side of the stopper being uppermost.

The stopper is fitted into the mouth of the jar, bottle, or the like 3 in the usual manner and is readily removed when required by pulling upon the loose end of the string. The string enables a firm grip to be obtained upon the pull and prevents injury to the most delicate hand, as no sharp edges or corners are presented to lacerate the skin and flesh. The pull can be applied to the stopper either by hand or machinery. When applied by hand, the string is threaded through the stopper by means of a needle and is cut off in proper lengths.

The stopper is thoroughly sanitary and free from parts which would tend to impair the flavor, color, or quality of the milk. Moreover, the opening in the stopper through which the string passes is entirely closed by the said string and nothing can pass therethrough.



Having thus described the invention, what is claimed as new is—

1. In combination with a jar having an inner seat or groove, and a disk stopper fitted to  
5 said seat and having an opening near its edge, a string threaded through said opening and closing the same and having its end portions brought together and secured by a knot, substantially as specified.
- 10 2. A new article of manufacture, a disk stopper having an opening near its edge, and a string threaded through and sealing said open-

ing and doubled upon itself to embrace a portion of the stopper between the folded portions near the bight and having the terminals  
15 secured by means of a knot, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

FRANK C. RIELY. [L. S.]

Witnesses:

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