

No. 782,305.

PATENTED FEB. 14, 1905.

A. WOLFENSBERGER.  
BOTTLE CLUTCH.  
APPLICATION FILED NOV. 2, 1904.

Fig. 1.

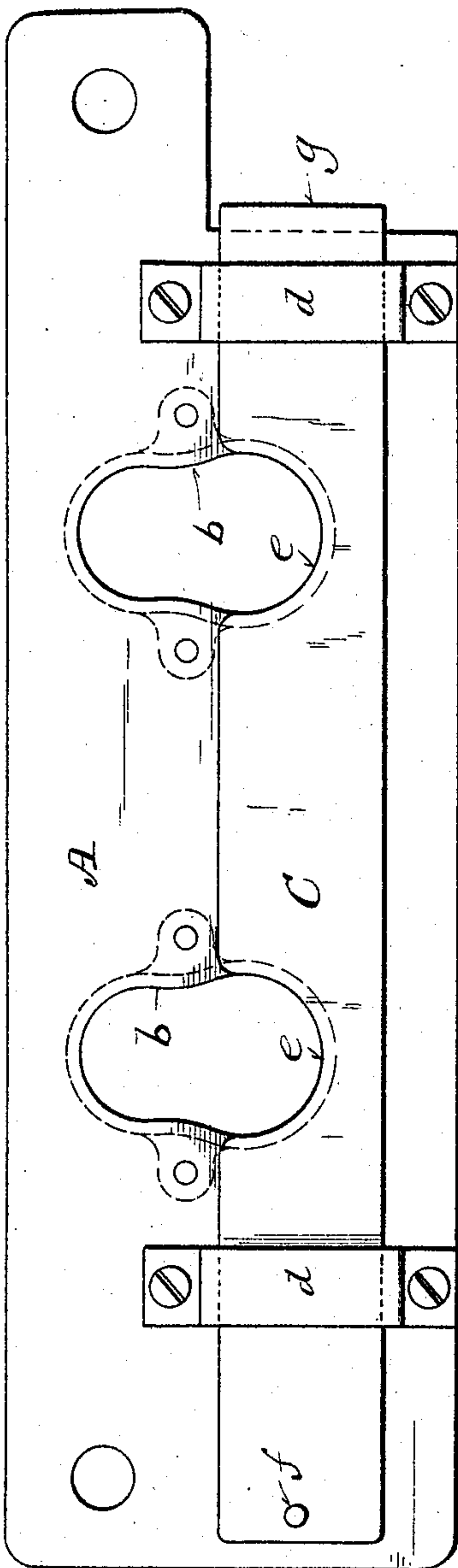


Fig. 3.

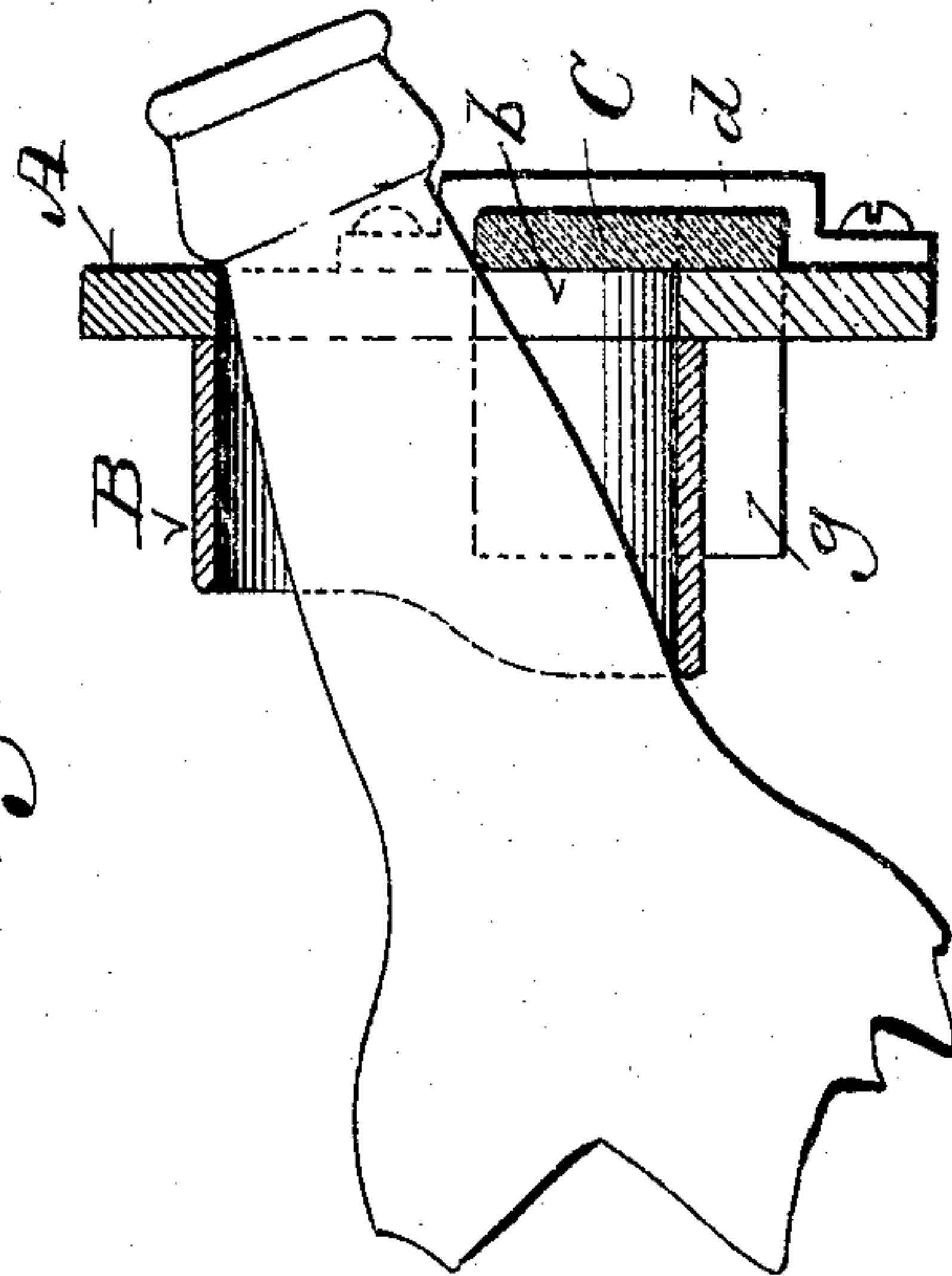
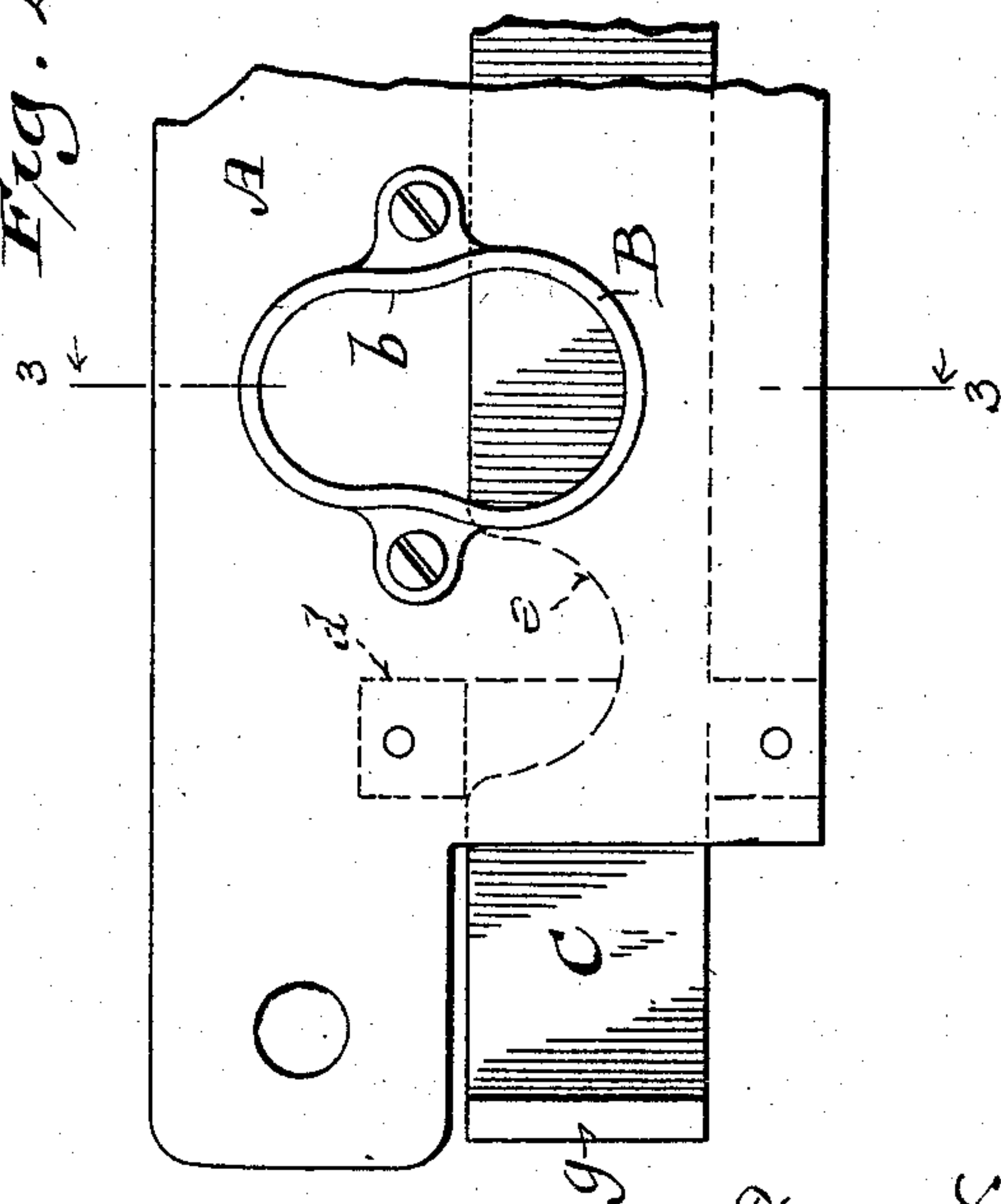


Fig. 2.



Witnesses  
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# UNITED STATES PATENT OFFICE.

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## BOTTLE-CLUTCH.

SPECIFICATION forming part of Letters Patent No. 782,305, dated February 14, 1905.

Application filed November 2, 1904. Serial No. 231,075.

*To all whom it may concern:*

Be it known that I, ADOLPH WOLFENSBERGER, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Bottle-Clutches; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to provide simple, economical, and efficient springless bottle-clutches that are applicable as parts of bottle-conveyers, said invention consisting in certain peculiarities of construction and combination of parts hereinafter particularly set forth with reference to the accompanying drawings and subsequently claimed.

Figure 1 of the drawings represents a rear elevation of a bottle-clutch in accordance with my invention; Fig. 2, a front elevation of a fragment of the clutch; and Fig. 3, a transverse sectional view of said clutch on the plane indicated by line 3 3 in Fig. 2, a fragment of a clutched bottle being shown.

Referring by letter to the drawings, A indicates one of a series of plates that are bolted or otherwise held in rigid connection with parallel belts of an endless bottle-conveyer at predetermined intervals longitudinally of said conveyer. The plate is provided with a plurality of transverse apertures that are preferably slots *b*, having rounded ends. Each of these slots is wide enough at one end to permit the passage of the neck-shoulder of a bottle, and the remainder of the slot has sufficient width to receive that portion of a bottle-neck back of the shoulder of same. Riveted or otherwise secured to the plate adjacent to the slots in same are laterally-projecting rests B for bottle-necks, and said plate is also provided with guides *d* for a slide C, having edge notches *e*, that come in and out of register with the plate-apertures, the width of each notch being sufficient to permit the passage of a bottle-neck shoulder. A stop-pin or lug *f* of the slide serves to limit its throw in one direction, throw in the opposite direction being limited by a crank-bend *g* of said slide that comes into abutment against the plate A, preferably in an end recess of same. How-

ever, other means may be employed for limiting the throw of the slide in either direction, this throw being automatic or otherwise in practice. The slide being adjusted to have its notches in register with the plate-apertures, bottles may be caught by their necks in the clutch, after which said slide is adjusted to lock said bottles in said clutch until such time as the aforesaid slide is again adjusted to the position first specified.

The detail of the clutch may be varied in some particulars from what is herein shown and described without departure from the scope of my invention in which the apertured plate is the principal feature.

The rests B are preferably of the elliptical form illustrated, so as to present bearing-surface to bottle-necks in opposite direction, the bottles being tilted from one position to another incidental to turning of the conveyer of which the apertured plate A constitutes a part.

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

1. A bottle-clutch comprising a plate constituting part of a bottle-conveyer and provided with transverse apertures in the form of slots having widened ends that permit the passage of neck-shoulders of bottles, and means in connection with the plate by which to lock the bottle-necks in the narrow portions of said slots.

2. A bottle-clutch comprising a plate constituting part of a bottle-conveyer and provided with transverse apertures in the form of slots having widened ends that permit the passage of neck-shoulders of bottles, bottle-neck rests projecting from the plate adjacent to the slots therein, and means in connection with said plate by which to lock the bottle-necks in the narrow portions of said slots.

3. A bottle-clutch comprising a plate constituting part of a bottle-conveyer and provided with transverse apertures in the form of slots having widened ends that permit the passage of neck-shoulders of bottles, and a slide in connection with the plate, an edge of the slide being provided with notches that come in and out of register with the widened ends of the plate-slots.

4. A bottle-clutch comprising a plate consti-



tuting part of a bottle-conveyer and provided with transverse apertures in the form of slots having widened ends that permit the passage of neck-shoulders of bottles, and a slide restricted as to play in connection with the plate, an edge of the slide being provided with notches that come in and out of register with the widened ends of the plate-slots.

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5. A bottle-clutch comprising a plate constituting part of a bottle-conveyer and provided with transverse apertures having widened ends that permit the passage of bottle-neck shoulders, bottle-neck rests projecting from the plate adjacent to the slots therein, and a slide in connection with said plate, an edge of the slide being provided with notches that come in and out of register with the widened ends of the plate-slots.

6. A bottle-clutch comprising a plate constituting part of a bottle-conveyer and provided with projecting elliptical bottle-rests in register with apertures therein that permit the

passage of bottle-neck shoulders, and means in connection with the plate by which to lock the bottle-necks in their engagement with said rests. 25

7. A bottle-clutch comprising a plate constituting part of a bottle-conveyer and provided with projecting elliptical bottle-rests in register with apertures therein that permit the passage of the bottle-neck shoulders, and a slide in connection with the plate, an edge of the slide being provided with notches that come in and out of register with the plate-apertures. 30

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses. 35

ADOLPH WOLFENSBERGER.

Witnesses:

H. G. UNDERWOOD,  
N. E. OLIPHANT.