

No. 786,505.

PATENTED APR. 4, 1905.

W. T. LOOFBOURROW.  
JAR TOP REMOVER.  
APPLICATION FILED MAR. 19, 1904.

Fig. 1.

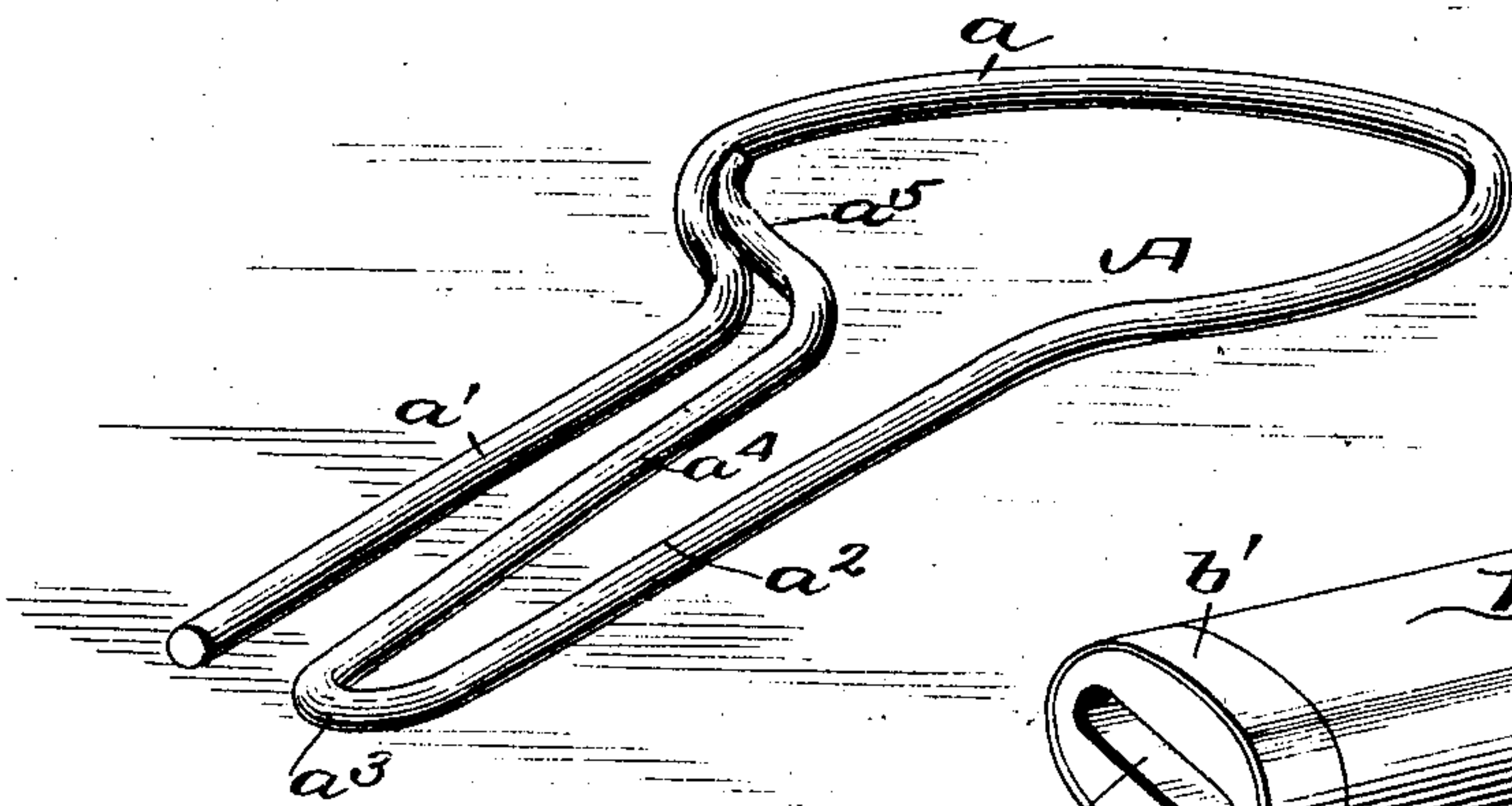


Fig. 2.

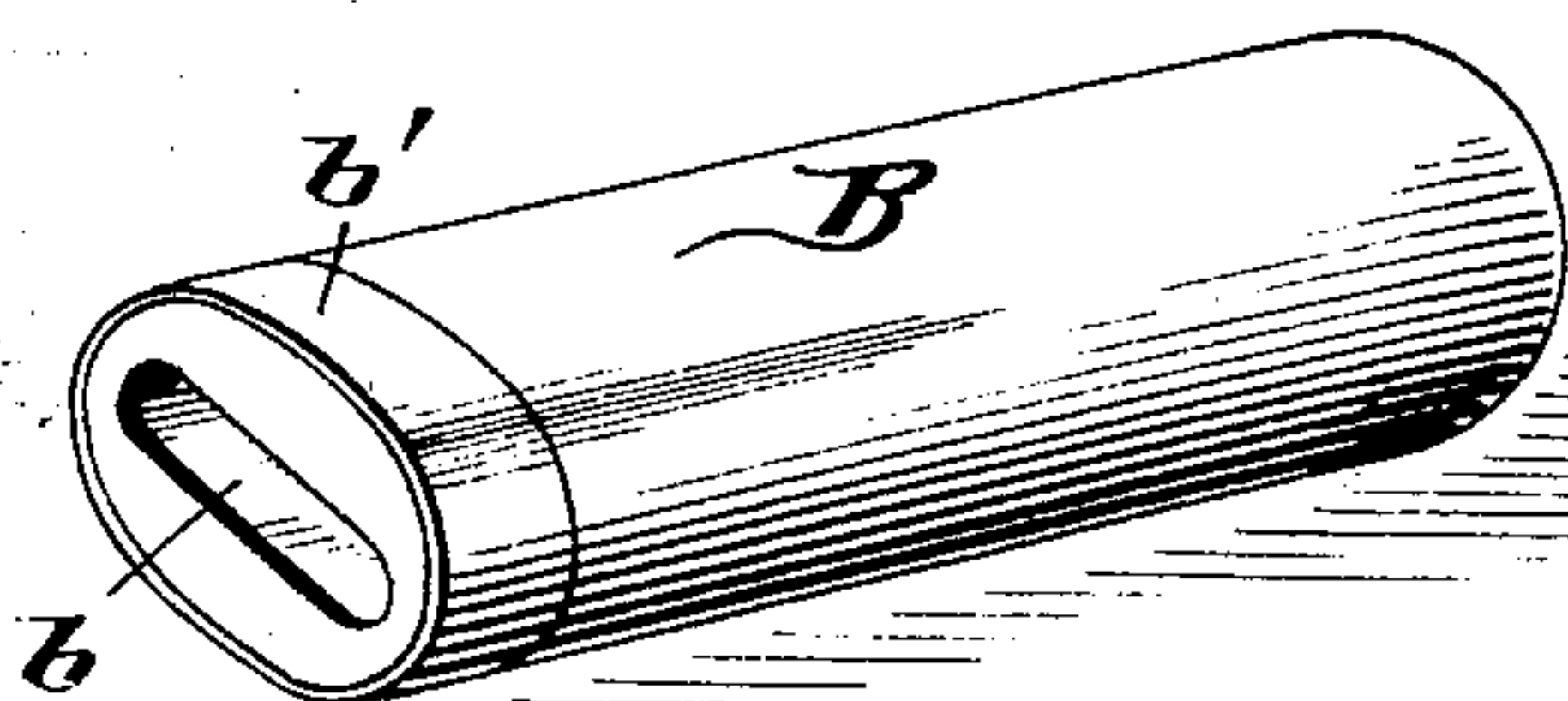


Fig. 3.

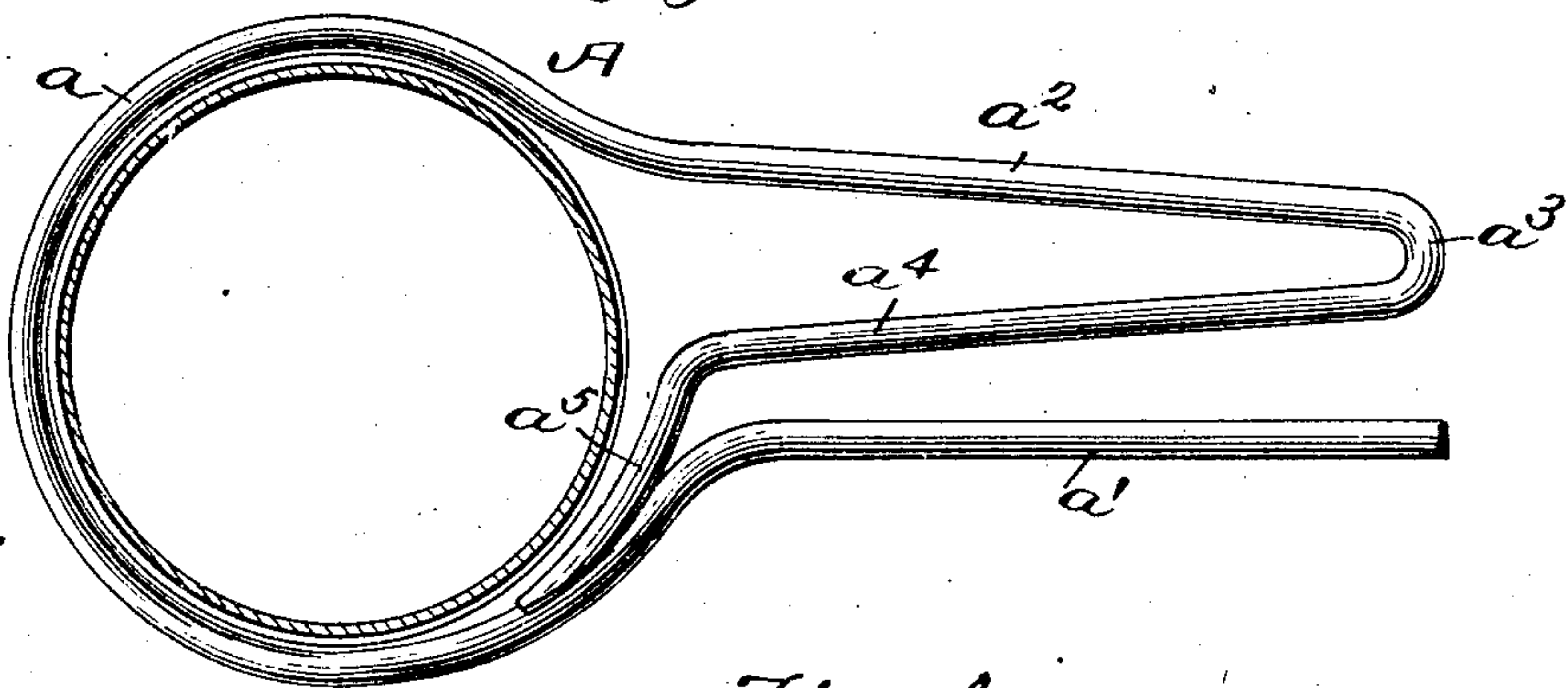


Fig. 5.

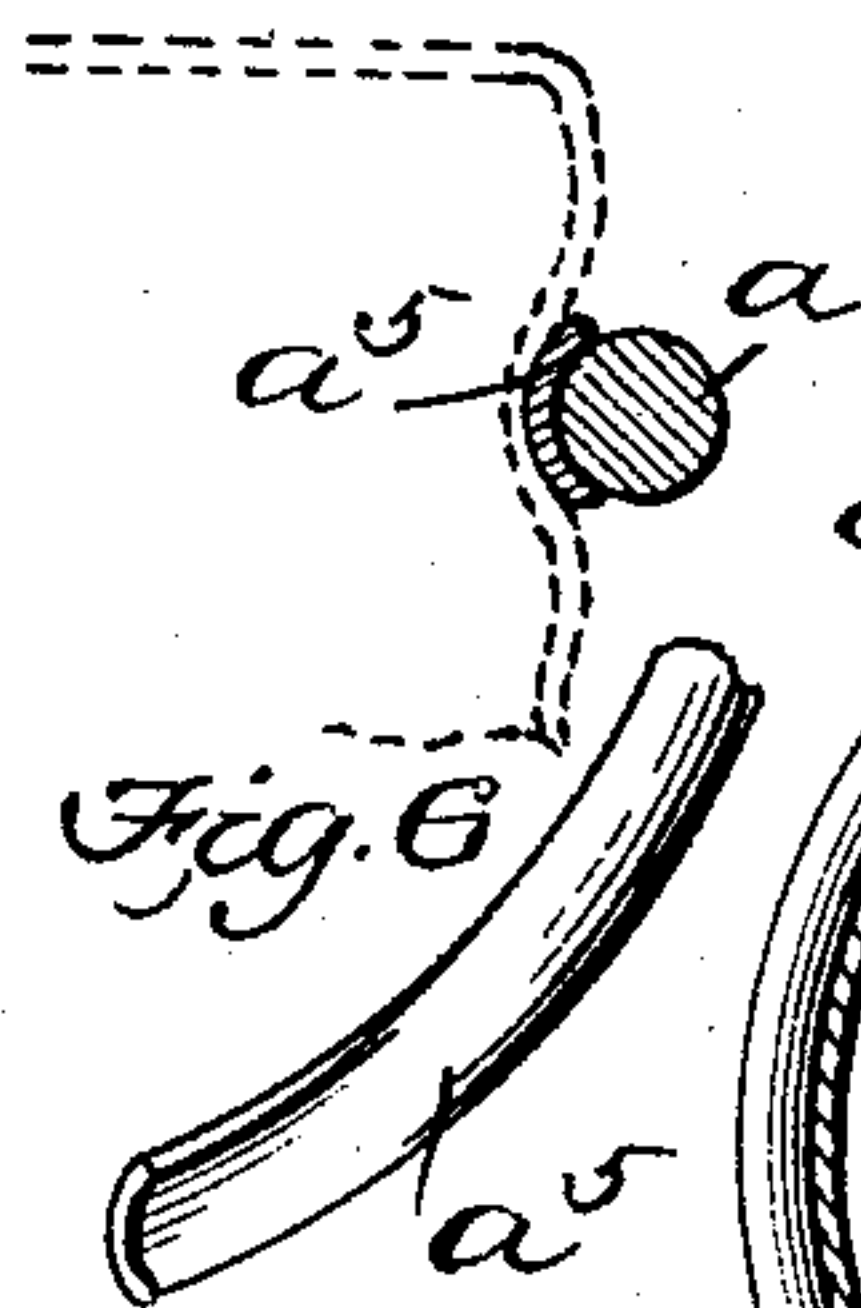
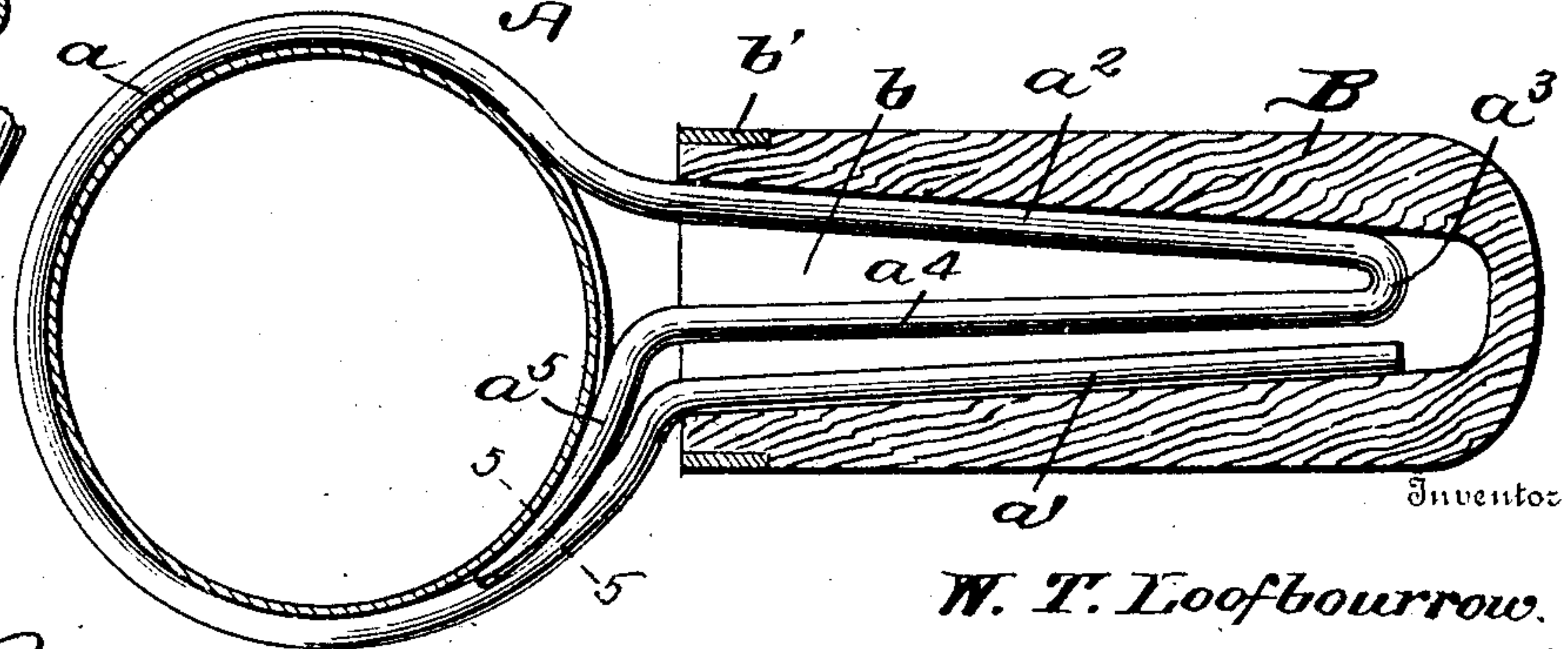


Fig. 4.



Witnesses

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# UNITED STATES PATENT OFFICE.

WILLIAM THOMAS LOOFBOURROW, OF ISSAQUAH, WASHINGTON.

## JAR-TOP REMOVER.

SPECIFICATION forming part of Letters Patent No. 786,505, dated April 4, 1905.

Application filed March 19, 1904. Serial No. 198,974.

*To all whom it may concern:*

Be it known that I, WILLIAM THOMAS LOOFBOURROW, a citizen of the United States, residing at Issaquah, in the county of King and State of Washington, have invented a new and useful Jar-Top Remover, of which the following is a specification.

My invention relates to certain new and useful improvements in a cap-remover for jars.

The object of my invention is to provide a simple, cheap, and durable cap-remover for jars and the like, one which is so constructed that all liability of the clamping means slipping on the cap of the jar is prevented.

A further object of my invention is to provide a cap-remover which can be used with or without the handle, as desired.

With these objects in view my invention consists in the improved construction and arrangements of parts, which will be fully described hereinafter and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a perspective view of the clamping means with the handle removed. Fig. 2 is a perspective view of the handle. Fig. 3 is a plan view of a jar with the implement applied and the handle removed. Fig. 4 is a similar view with the implement clamped on the cap of the jar with the handle in place, the handle being in section. Fig. 5 is a detail section drawn about on the line 5 5 of Fig. 4, the jar-top being shown in dotted lines. Fig. 6 is a detail view of the end of the wedging-finger.

In carrying out my invention I employ a clamp proper, A, and a handle B cooperating therewith. The clamp A is made of a single strand of wire bent between its ends to form a substantially circular-shaped body portion *a*, which is adapted to fit around the cap of the jar. One end or shank of the wire projects from the circular portion, as shown at *a'*, while the opposite end or shank is considerably larger and is bent at *a''* to provide an inwardly-projecting member *a'''*, which is bent near its end to provide a wedge-finger *a''''*, the extreme end of which is reduced in thickness and the top and bottom edges bent outwardly, so as

to form a concavo-convex surface, the concave surface fitting over the circular body portion of the clamp, while the convex surface is adapted to rest within the groove forming the threads of the cap or top of the jar. By this arrangement it will be readily seen that as the ends or shanks of the clamp are pushed toward one another the wedge-finger will ride or slide upon the circular portion *a* of the clamp and wedge itself between the said portion *a* and the jar-top and so firmly grip the top that it may be easily turned and removed, and, further, that the tighter the ends or shanks are pressed the greater the grip upon the top will be had, as the circular portion will be reduced, and the finger acting as a wedge and being forced between the circular portion *a* and the cap will greatly aid the gripping power of the device.

The handle B is provided with an elongated tapering socket *b*, which extends practically the full length of the handle, and this socket is adapted to receive the ends or shanks of the clamp, and by pushing the handle B upon the shanks the full length of the latter they will be forced toward each other and a firm grip retained upon the jar-top. A ferrule *b'* is arranged upon the inner end of the handle to strengthen the same.

From the foregoing it will be seen that I provide an exceedingly simple, cheap, and highly-efficient device for the purpose set forth.

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

1. A cap-remover comprising a circular clamping portion having shanks extending outwardly therefrom, one of said shanks being bent inwardly and having its end terminating in a wedging member lying against the clamping portion adjacent its juncture with the other shank, and a handle having an elongated socket adapted to fit over the shank and clamp them together.

2. A cap-remover comprising a circular clamping portion having shanks extending therefrom, one of said shanks being bent inwardly and having its end terminating in a laterally-extending wedging portion lying

against the clamping portion, adjacent its juncture with the other shank.

3. A cap-remover comprising a circular clamping portion having shanks extending therefrom, one of said shanks being bent inwardly and having its end terminating in a laterally - extending wedging portion, said

wedging portion being concaved and lying against the clamping portion adjacent its juncture with the other shank.

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Witnesses:

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