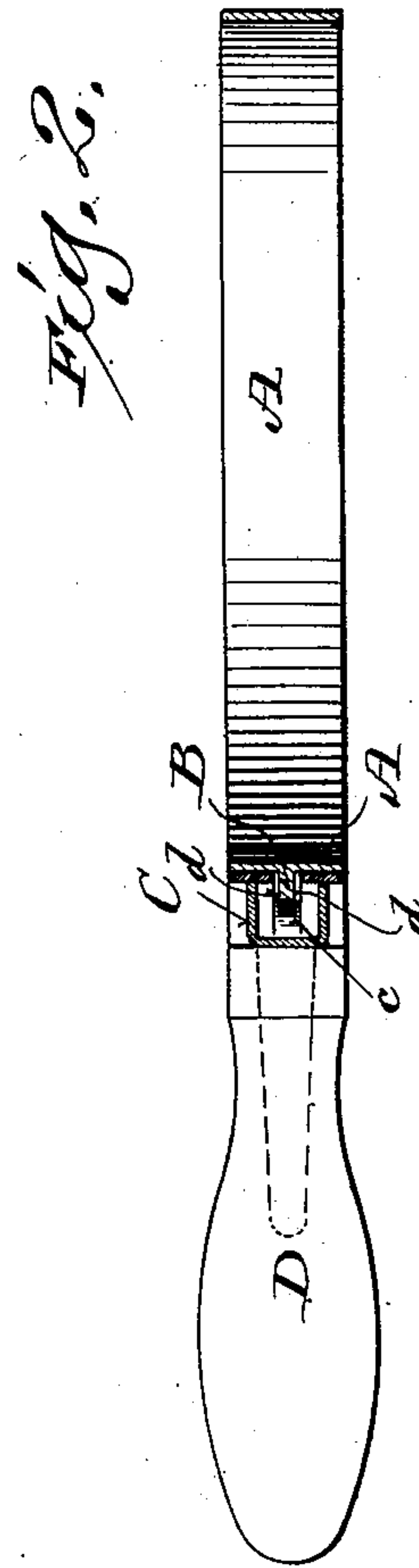
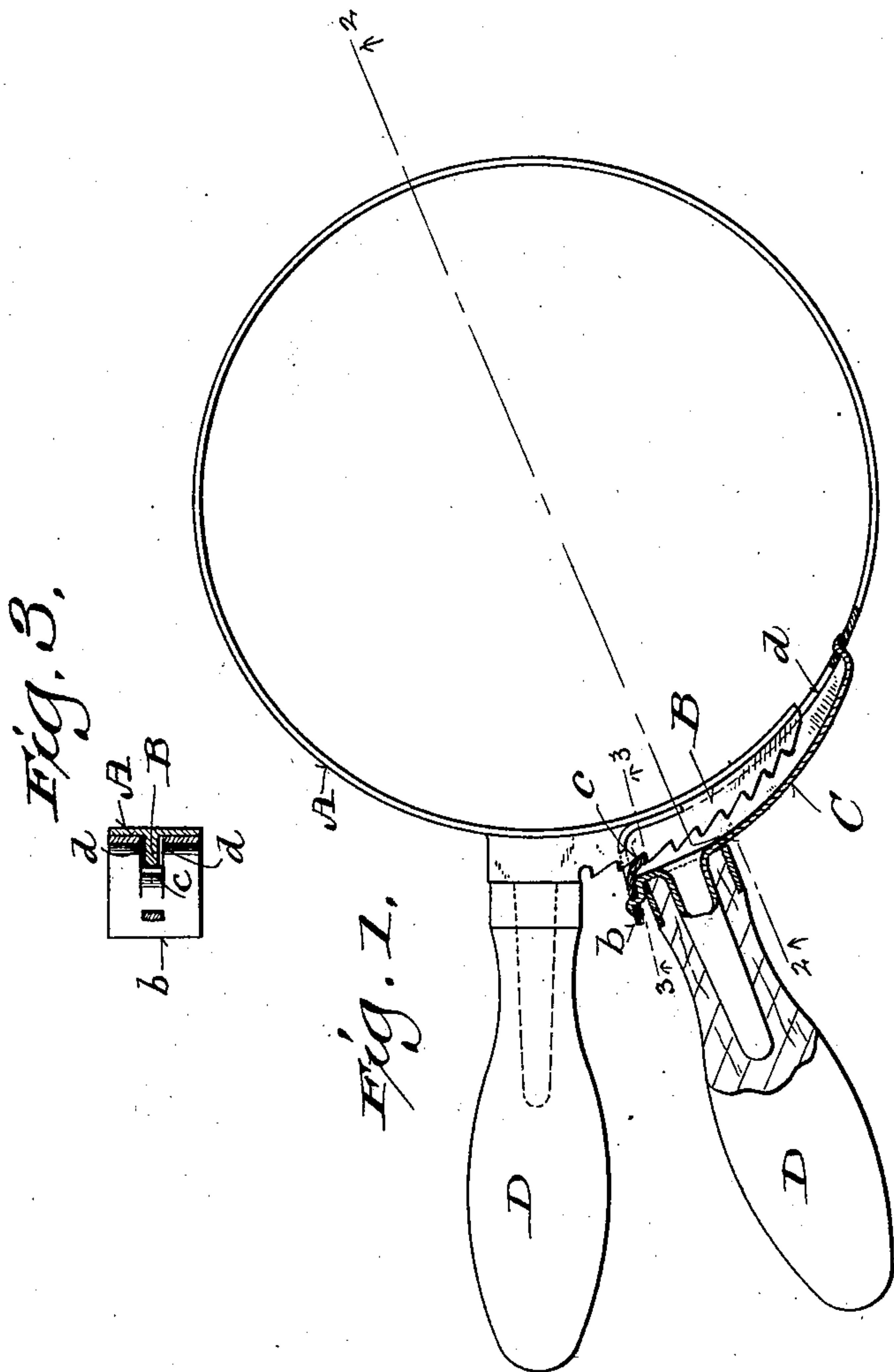


No. 668,700.

Patented Feb. 26, 1901.

A. WERNER.
FRUIT JAR GRIPPER.
(Application filed Aug. 20, 1900.)

(No Model.)



Witnesses:
Geo. W. Young.
N. E. Cliphart

Adolph Werner
By H. G. Underwood
Attorney

UNITED STATES PATENT OFFICE.

ADOLPH WERNER, OF MILWAUKEE, WISCONSIN.

FRUIT-JAR GRIPPER.

SPECIFICATION forming part of Letters Patent No. 668,700, dated February 26, 1901.

Application filed August 20, 1900. Serial No. 27,388. (No model.)

To all whom it may concern:

Be it known that I, ADOLPH WERNER, 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 Fruit-Jar Grippers; 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 tools for use in connection with fruit-jars of various sizes when filled with hot material; and it consists 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 plan view of one form of tool in accordance with my invention, partly in section; and Figs. 2 and 3, sectional views of the same, respectively indicated by lines 2 2 and 3 3 in the first figure of the series.

Referring by letter to the drawings, I show an annular band A, made from a strip of flat metal, the ends of the band being lapped one upon the other. One end of the band is bent outward, as shown at *b*, and provided with a tongue *c*, as well as a longitudinal slot *d*, the tongue and slot being for the engagement of a rack-edge fin B on the other end of said band lengthwise of the same.

A housing C is preferably employed in connection with the band A to cover the tongue *c*, slot *d*, and so much of the rack-fin as may

be engaged therewith, and handles D are made fast on tangs that extend from said housing and rack-fin. The band A is expanded or contracted to fit on fruit-jars of various diameters, and being positioned on a jar it is automatically locked in place by the engagement of the tongue *c* with the rack-fin B. Hence the operator does not have to exert constant pressure on the handles D of the tool.

If the annular portion of the herein-described tool be made from a round or partly-round strip of metal, said tool may be utilized to manipulate screw-caps of the fruit-jars. It is also possible to otherwise vary the detail of the tool without departure from my invention.

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

A tool comprising a metallic annular device the ends of which lap each other, one of these ends being provided with a tongue and a longitudinal slot, a housing over the slot and tongue, a rack-fin on the other end of the annular device engageable with said tongue and slot, and handles in connection with said housing and fin.

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.

ADOLPH WERNER.

Witnesses:

N. E. OLIPHANT,
B. C. ROLOFF.