

(No Model.)

G. P. HOBBS.
JAR CAP SPANNER.

No. 468,804.

Patented Feb. 16, 1892.

Fig. 1.

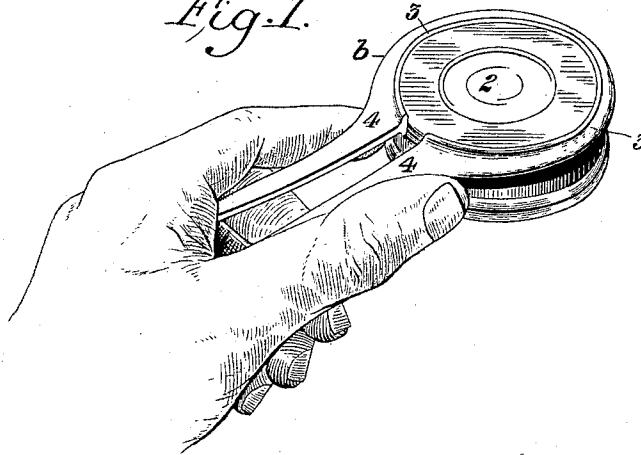
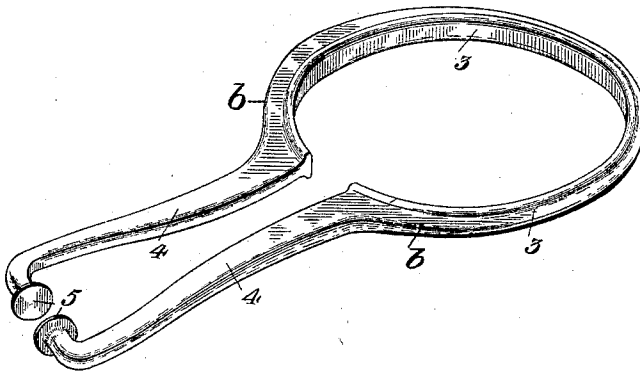


Fig. 2.



Witnesses

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UNITED STATES PATENT OFFICE.

GEORGE P. HOBBS, OF WHEELING, WEST VIRGINIA.

JAR-CAP SPANNER.

SPECIFICATION forming part of Letters Patent No. 468,804, dated February 16, 1892.

Application filed April 1, 1889. Serial No. 305,566. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. HOBBS, of Wheeling, in the county of Ohio and State of West Virginia, have invented a new and useful Improvement in Jar-Cap Spanners, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a perspective view of my improved spanner applied to a jar-cap. Fig. 2 is a perspective view of the spanner detached.

Like symbols of reference indicate like parts in each.

The object of my invention is to provide a spanner which can be used to remove jar-caps without providing the latter with projecting lugs, stops, or similar devices.

In the drawings, 2 represents an internally-threaded fruit-jar cap of the ordinary sort. The spanner consists of a piece of cast-iron, comprising a circular portion or partial annulus 3 of substantially the same or a little less internal diameter than the external diameter of the cap. This annulus is not complete, but is divided, and its divided ends extend outwardly, forming handles 4, the ends of which are turned inwardly, one or both of them being preferably provided at the end with a button or enlargement 5. The annular portion of the spanner is shaped as shown in the drawings, having a peripheral strengthening rib or flange 6 and being gradually enlarged in width from the middle portion toward the ends. This imparts to the spanner the necessary elasticity and flexibility, enabling it to be made of cast-iron and strengthening it so that it may be used without danger of breaking. The buttons 5 are designed to prevent the handles 4 from being compressed sufficiently to fracture the spanner.

In using the spanner the annular portion 3 is fitted around the cap, and the operator, grasping the handles 4 and squeezing them together by reason of the elasticity of the spanner, clamps the annulus firmly on the cap, so that by moving the handles laterally the cap may be unscrewed, and when it is un-

screwed it may be lifted off with the spanner without touching the cap with the hand, and by making the spanner of the same diameter as the cap or of a little less diameter the spanner will not of itself fall off the cap when the hand is removed.

The advantages of my improvement have been demonstrated by use and will be apparent to those familiar with this class of instruments. It is cheap in its construction, strong and durable, and is very efficient for the purpose for which it is designed, enabling the jar-caps to be removed or tightened without requiring the use of special stops or lugs on the cap, as does the form of spanner now in common use.

I claim—

1. A spring-spanner for jars, consisting of an open cast-iron annulus having radially-projecting handles, the body of the annulus tapering in cross-section from the point of division to a point diametrically opposite thereto, substantially as and for the purposes described.

2. A spring-spanner for jar-caps, having a divided annular portion provided with a peripheral flange or rib which increases in cross-sectional size in both directions from its middle portion and terminates in outwardly-projecting arms forming clamping-handles, substantially as and for the purposes described.

3. A spring-spanner for jar-caps, composed of a divided annular portion having a peripheral flange or rib increasing in cross-sectional size in both directions from its middle portion toward the ends and terminating in outwardly-projecting arms forming clamping-handles, said arms having inwardly-projecting knobs or buttons at their extremities, whereby the spring of the annular portion is limited, substantially as and for the purposes described.

In testimony whereof I have hereunto set my hand this 27th day of March, A. D. 1889.

GEORGE P. HOBBS.

Witnesses:

ALFRED PAULL,
A. W. PAULL, Jr.