

H. B. WALTER.
 TOOL FOR SEALING AND LOCKING END FLAPS OF BOXES TOGETHER.
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993,923.

Patented May 30, 1911.

Fig. 1.

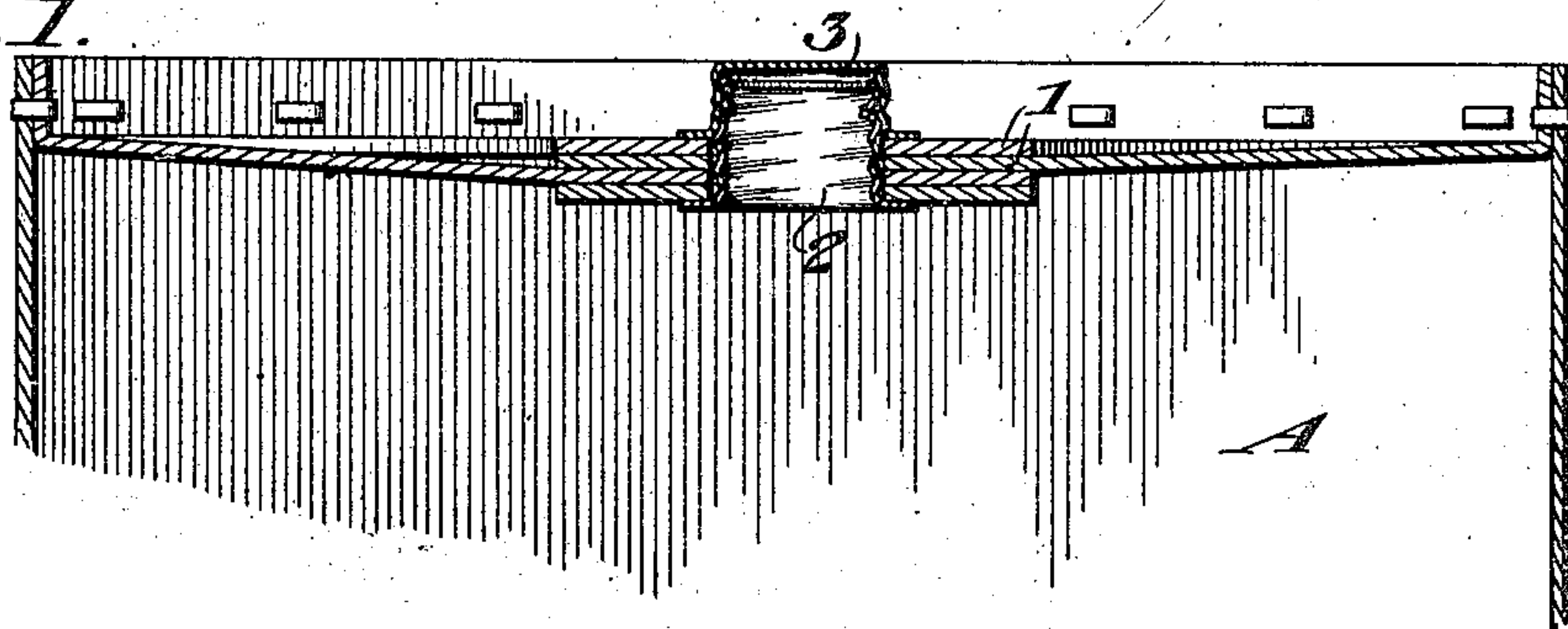


Fig. 2.

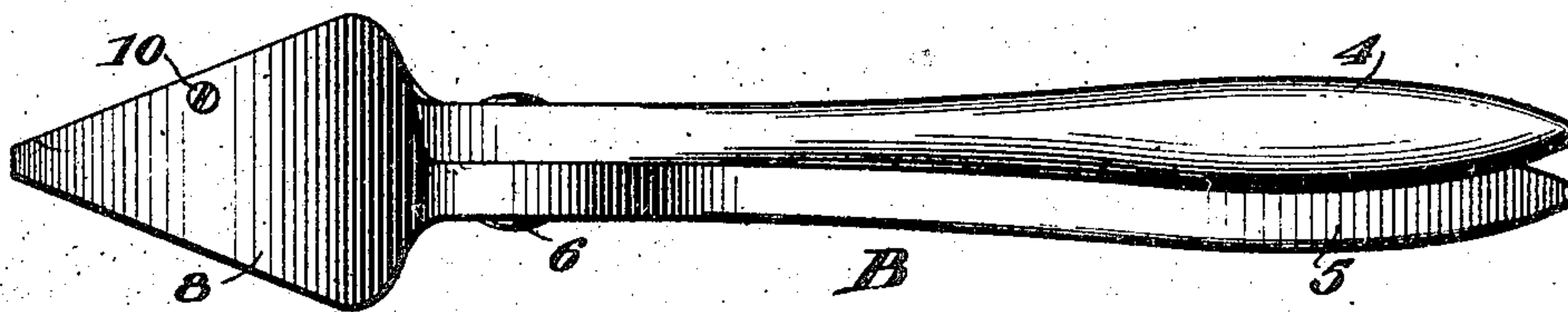


Fig. 3.

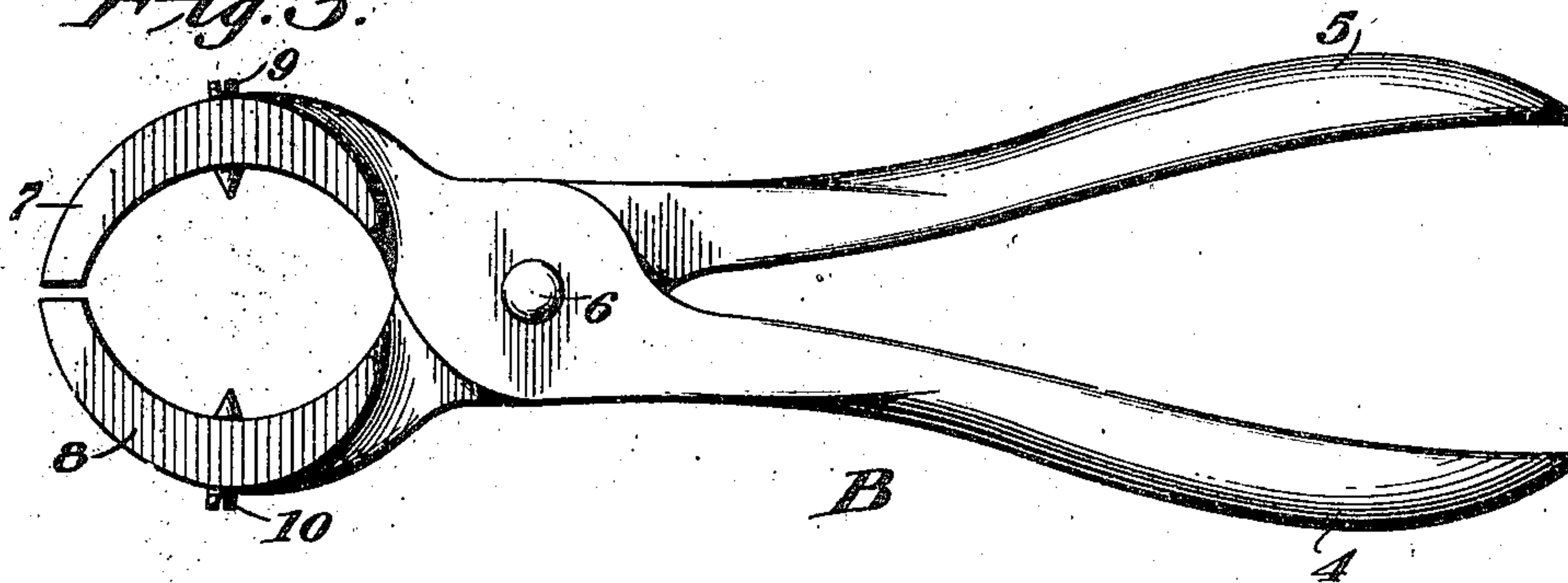
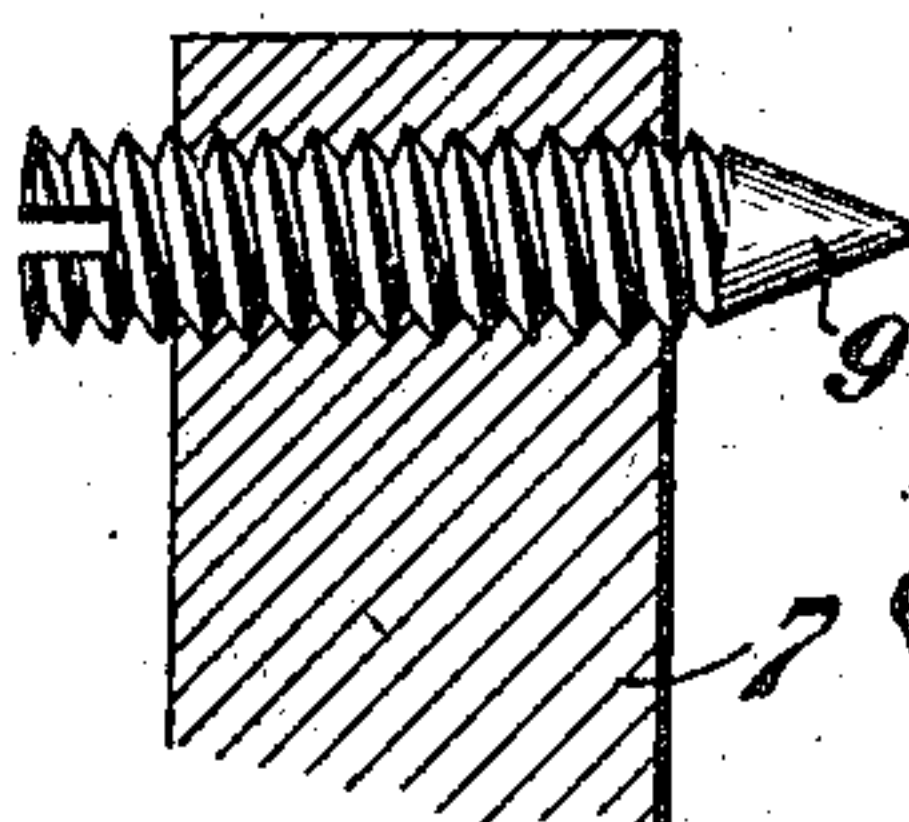


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

HARRISON B. WALTER, OF DANVILLE, ILLINOIS, ASSIGNOR TO NATIONAL FIBRE BOX COMPANY, OF DANVILLE, ILLINOIS, A CORPORATION OF ILLINOIS.

TOOL FOR SEALING AND LOCKING END FLAPS OF BOXES TOGETHER.

993,923.

Specification of Letters Patent.

Patented May 30, 1911.

Application filed January 8, 1910. Serial No. 537,056.

To all whom it may concern:

Be it known that I, HARRISON B. WALTER, a citizen of the United States, residing at Danville, in the county of Vermilion and State of Illinois, have invented certain new and useful Improvements in Tools for Sealing and Locking End Flaps of Boxes Together, of which the following is a specification.

My invention relates to an improvement in tool for sealing and locking end flaps of boxes together.

The object is to provide means for screwing a cap upon a plug for connecting the flaps together, and after the cap has been screwed upon the plug, it is locked against movement.

The invention consists in certain novel features of construction and combinations of parts which will be hereinafter described and pointed out in the claim.

In the accompanying drawings:—Figure 1 is a detail sectional view of a box constructed with flaps having a screw plug cap; Fig. 2 is a view in elevation of my improved tool; Fig. 3 is a top plan view; and Fig. 4 is a sectional view.

A represents a rectangular box, the head of which is provided with four flaps, one extending inwardly toward the center from each side, which flaps are connected together by a hollow screw plug 2 passing there-through, the cap 3 being received upon the plug for connecting the flaps together.

The tool B consists of two handles 4 and 5, which are pivotally connected together, as at 6. Each handle, 4 and 5, is provided with a jaw, 7 and 8, which taper toward the outer ends of the jaws. The hilts or heels of the jaws are enlarged, and the jaws taper along the sides from the hilts toward the outer ends. The outer and inner surfaces of the jaws are rounded, the inner surface being rounded whereby the screw cap can be easily and firmly gripped between the two jaws for screwing the cap upon the plug. The tapered portion of the jaws permits of the handles being held at an angle from the end of the box, so that there will be no danger of the hand coming in contact with the box. This shape of the jaws is necessary, especially with this class of box to which these

flaps are connected, as the ends are recessed, and by having the handles project or extend practically in a diagonal direction from the end of the box, the handles can be grasped and the screw cap turned without the hand coming in contact with the end of the box. Along one edge of each jaw, pins 9 and 10 are received. The pins have screw-threaded engagement with the jaws and extend inward, and project beyond the inner surface of the jaws. These pins are adapted to be brought into engagement with the screw cap after it has been screwed upon the screw plug, and by pressure upon the handles, the pins will be forced through the screw plug and cap, locking the two together. When the cap is being screwed by the tool upon the plug, the pins will not engage the plug, but sufficient gripping surface of the jaws is presented for the proper hold being had upon the screw cap without bringing the pins into engagement with the screw cap. When the clenching or locking of the cap and plug is to be performed, the tool should generally be reversed, as the cap, which is generally used, will be small, and it will, therefore, be necessary to reverse the tool so that the pins can be brought into engagement with the screw cap, whereby the pins can be forced through the cap and plug for locking the two together, thereby preventing the cap from being removed from the plug. The pins having screw-threaded engagement with the jaws, the length of the protruding ends of the pins can be regulated to suit the requirements.

Having fully described my invention, what I desire to secure by Letters Patent, is:—

As an article of manufacture, a tool comprising handles pivotally connected together, and each handle terminating at one end in a jaw, said jaws presenting oppositely curved interior gripping surfaces throughout their length, and approximately circular in form, whereby to conform to the surface of a cylindrical object and grip the latter uniformly between them, the opposite edges of said jaws inclining throughout their length in opposite directions and at an acute angle to a plane drawn through the longitudinal center of the tool, said jaws having threaded

orifices adjacent to one edge and remote from
the opposite edge, and threaded pins adjust-
able in said threaded orifices, whereby the
tool may be used to grip a cylindrical object,
5 when with one edge down, and when with
the other edge down to puncture the object
gripped between the jaws.

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

HARRISON B. WALTER.

Witnesses:

CLARIBEL BULLOCK,
FRANK C. BISHOP.