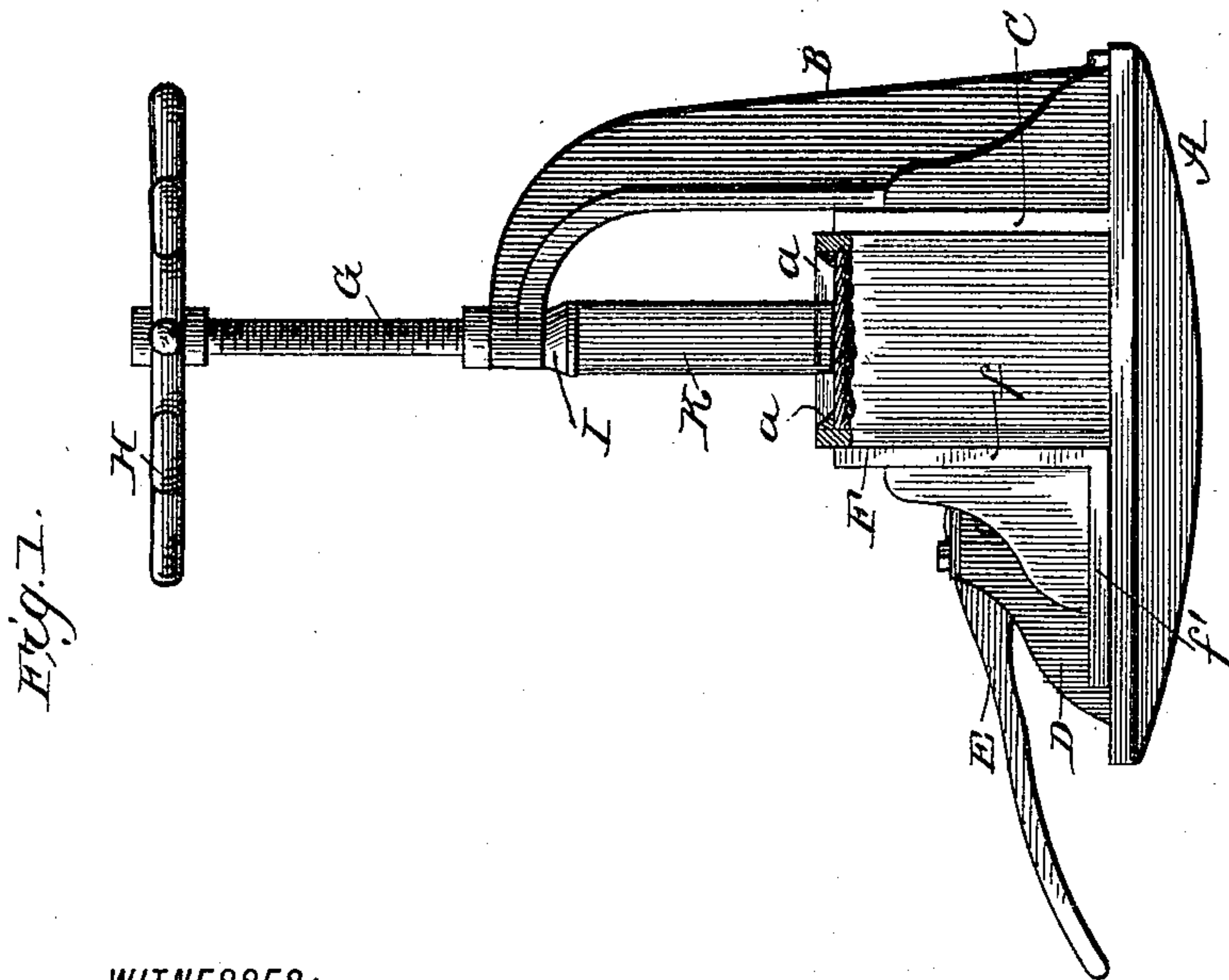
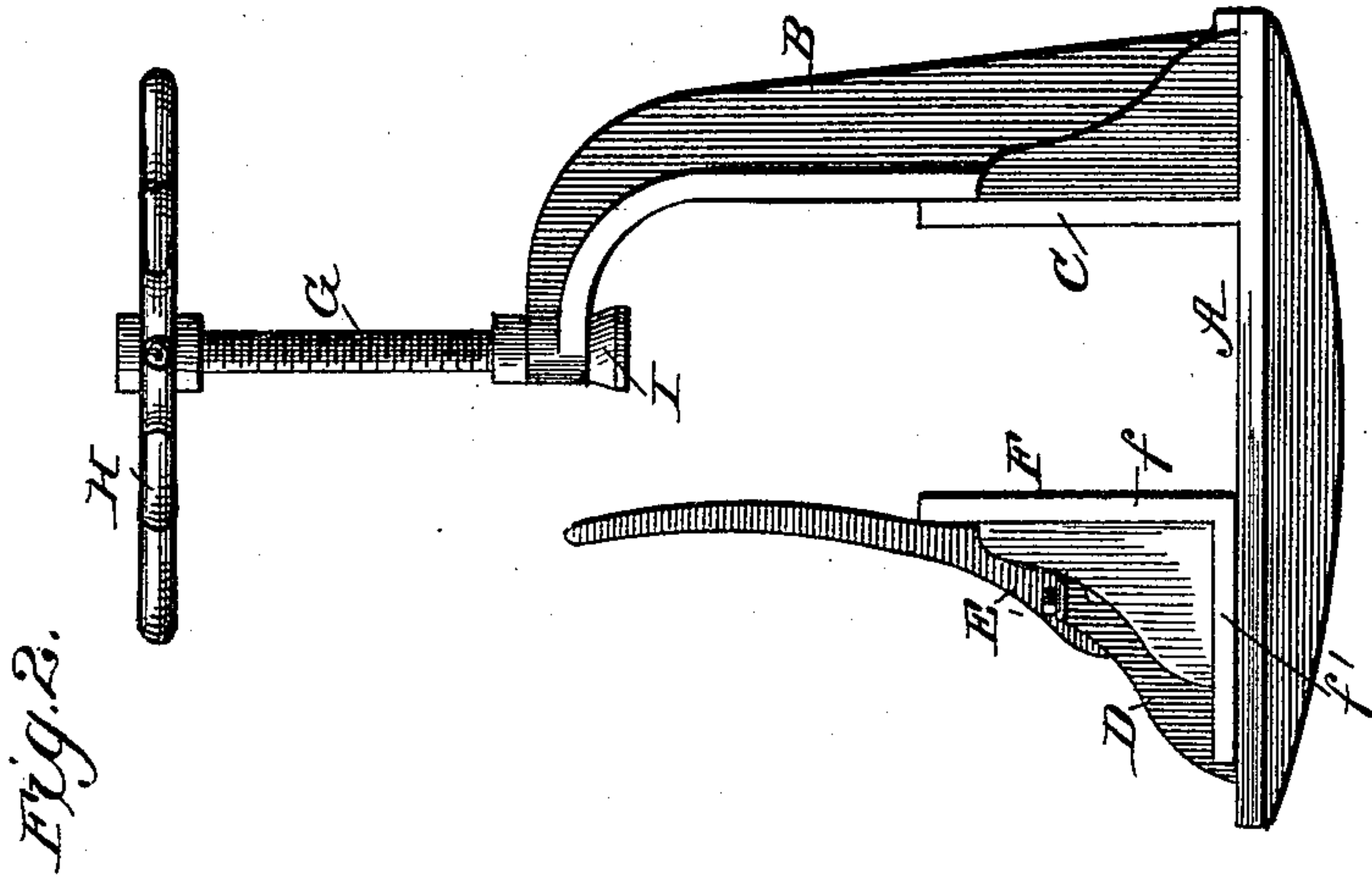


(No Model.)

P. N. BAILEY.
BOX SCREW AND CLAMP.

No. 436,202.

Patented Sept. 9, 1890.



WITNESSES:
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UNITED STATES PATENT OFFICE.

PHILLIP N. BAILEY, OF WINSTON, NORTH CAROLINA, ASSIGNOR OF ONE-HALF TO MUMFORD D. BAILEY, OF SAME PLACE.

BOX SCREW AND CLAMP.

SPECIFICATION forming part of Letters Patent No. 436,202, dated September 9, 1890.

Application filed June 24, 1890. Serial No. 356,596. (No model.)

To all whom it may concern:

Be it known that I, PHILLIP N. BAILEY, of Winston, in the county of Forsyth and State of North Carolina, have invented a new and useful Improvement in a Box Screw and Clamp, of which the following is a specification.

My invention relates to an improved box screw and clamp particularly adapted for use in packing tobacco in boxes and lining the top of said box while held down upon the tobacco.

The object of my invention is to provide a device of the character described that shall be simple, cheap, and durable, entirely dispensing with the cumbersome and expensive box screw and clamps now in use.

A further object is to provide a device in which the top can be lined while held down by said device.

With these objects in view my invention consists of a box-clamping device adapted to clamp and hold the box filled with tobacco, and a screw adapted to press upon the cover or top to be inserted.

My invention consists, further, in certain details hereinafter set forth.

In the drawings forming a part of this specification, Figure 1 is a side view of the device when in use, and Fig. 2 is a similar view when not in use.

In carrying out my invention I employ a base-plate A, and near one end of the same is secured the upright standard B, the upper end of which curves inwardly and rests over the center of the base-plate, as shown. A rigid bearing or clamping plate C is secured to the inner side of the standard B, the said plate being of a width equal to the base-plate, which is usually of the same width as a tobacco box or caddy. Upon the opposite end of the plate are secured the parallel lugs or ears D, between which is pivoted the eccentric-lever E, and upon the inner sides of the said lugs or ears is arranged the movable clamping-plate F, said plate being the equal width as the plate C, and formed of the plates f and f' , arranged at right angles to each other, the plate f' being slotted longitudinally, whereby it straddles the ears or lugs D and permits a movement of the clamping-plate F by means of the eccentric-lever E.

The upper end of the standard B is pro-

vided with a threaded aperture, through which works a screw G, operated by the hand-wheel H, secured upon the upper end of the said screw, and upon the lower end of the screw is secured the washer I.

The clamping-plate may be cast with flanges for the purpose of strengthening the same, and the base-plate is also preferably cast in a similar manner. The standard B may be of angle-iron or other shape, and the lever E may be pivoted in any approved manner.

The different parts of my device being constructed and assembled as described, the operation is as follows: The box or caddy filled with tobacco is placed upon the base-plate A, between the plates C and F, top end up, and the lever F is thrown down. This forces the movable plate F tightly against the side of the box and clamps the said box between the plates. The top or cover of the box is now placed upon the box and the hand-wheel turned down, pressing the said cover into its proper place. The lining-strips a are now placed in position and nailed down, securing the cover in place while held down by the screw H. This is a decided advantage over the old style of screw and clamp which takes a great deal of room, and is also more difficult to operate. To save time in turning down the screw, I interpose a block K between the cover and washer, whereby a slight turn of the wheel in either direction will either bind or release the box-cover.

Having thus described my invention, what I claim is—

1. The combination, with a base-plate, of a rigid clamping-plate, a movable clamping-plate sliding on the base-plate, an eccentric-lever for operating the same, and a plunger moving vertically between the movable and rigid clamping-plates, substantially as shown and described.

2. The combination, with a base-plate, of the rigid plate, the movable clamping-plate, the upright standard having the curved end, the screw passing through said curved end, and an eccentric-lever for operating the movable clamping-plate, substantially as shown and described.

PHILLIP N. BAILEY.

Witnesses:

W. H. JOHNSTON,
M. B. DE VANE.