

(No Model.)

F. H. PALMER.  
BOX.

No. 477,572.

Patented June 21, 1892.

Fig 1.

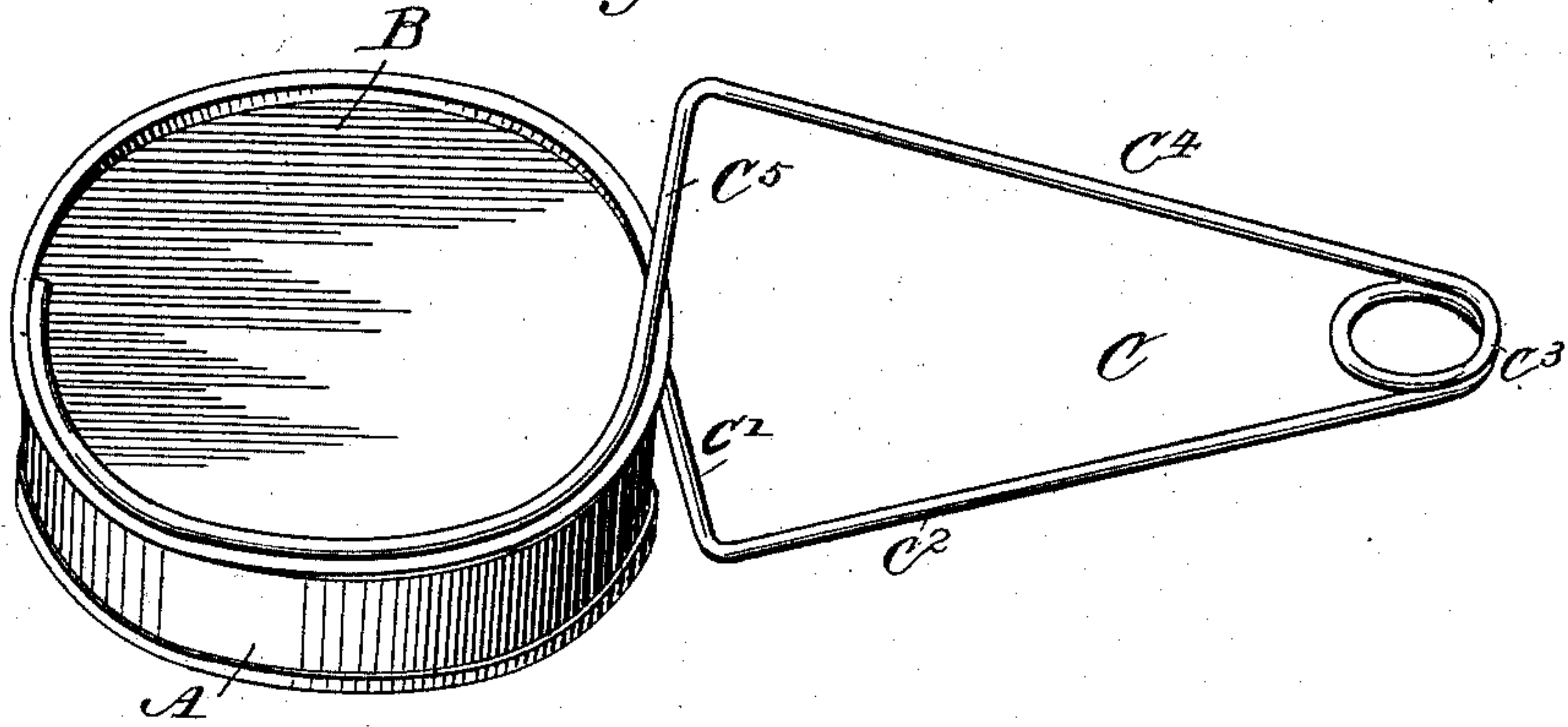


Fig 2.

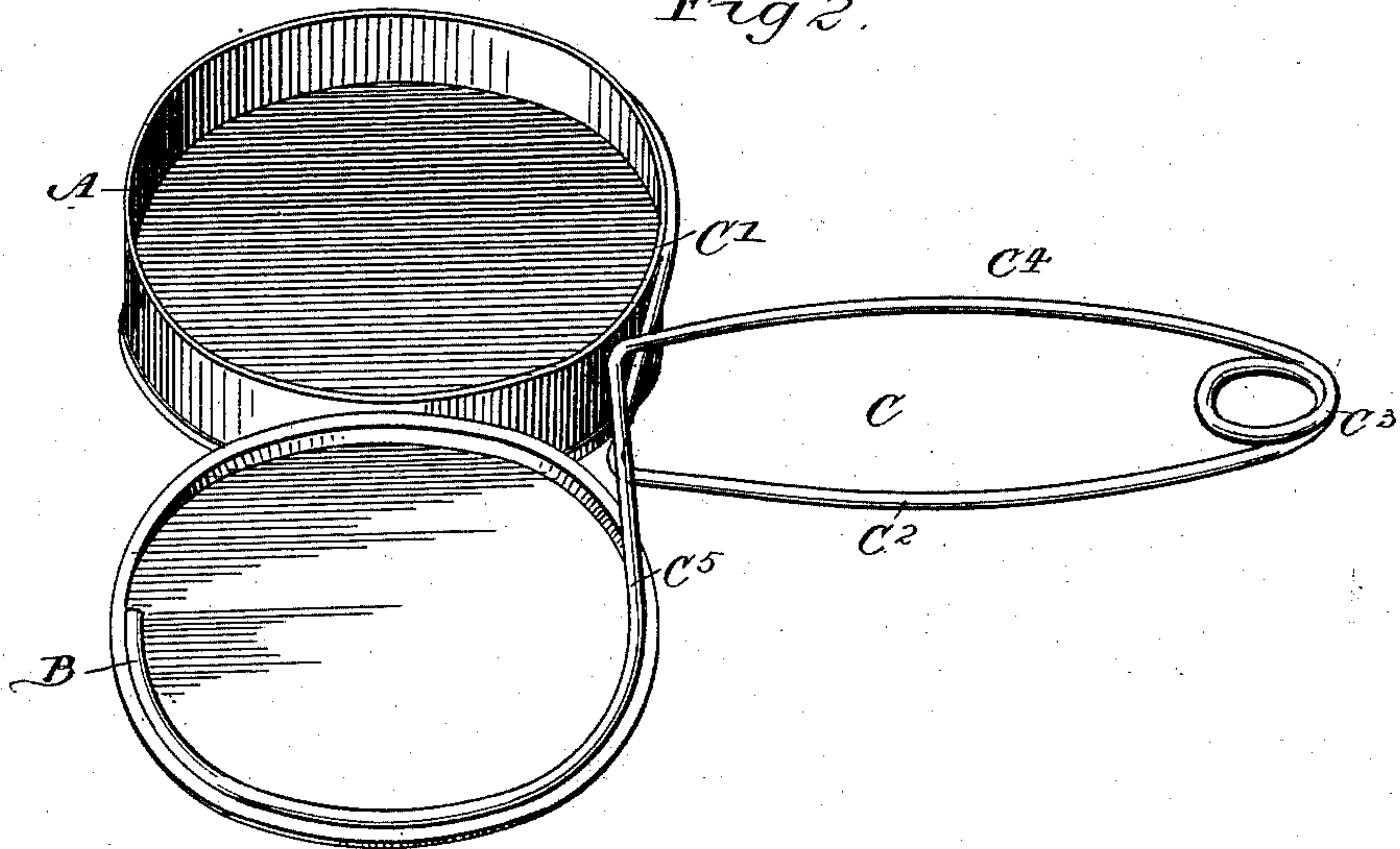
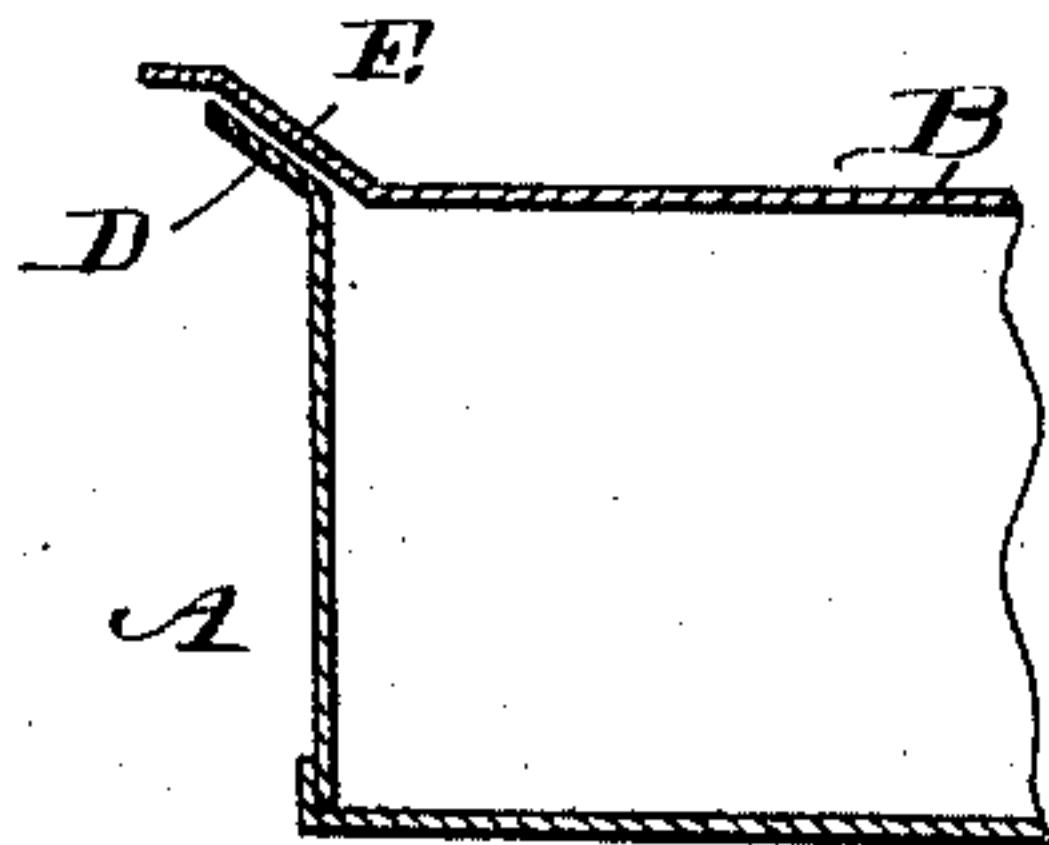


Fig 3



WITNESSES:

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# UNITED STATES PATENT OFFICE.

FRANK H. PALMER, OF BROOKLYN, NEW YORK.

## BOX.

SPECIFICATION forming part of Letters Patent No. 477,572, dated June 21, 1892.

Application filed September 14, 1891. Serial No. 405,631. (No model.)

*To all whom it may concern:*

Be it known that I, FRANK H. PALMER, of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Boxes, of which the following is a full, clear, and exact description.

The invention relates to boxes for containing shoe-blackening, grease, and other substances or articles.

The object of the invention is to provide a new and improved box which is simple and durable in construction and permits the user to conveniently and quickly remove and replace the cover or lid without soiling the hands.

The invention consists of a box-body, a spring forming a handle for the said body, and a cover or lid supported from the spring.

The invention also consists of certain parts and details and combinations of the same, as will be fully described hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of the improvement in a closed position. Fig. 2 is a like view of the same in an open position, and Fig. 3 is a sectional side elevation of part of the box-body and cover.

The improved box is provided with a body A, adapted to be closed by a cover or lid B, supported on a spring C, preferably forming the handle for the box A, as is plainly illustrated in the drawings. The box-body A is preferably formed with an outwardly and upwardly extending annular flange D, adapted to be engaged by a correspondingly-shaped flange E, formed on the cover or lid B. The spring C is preferably made of a single piece of spring-wire having one end C' fastened to the box-body, the end continuing into a bar C<sup>2</sup>, extending from the box-body and forming part of the handle. The outer end of the arm C<sup>2</sup> terminates in a coil-spring C<sup>3</sup>, from which extends the arm C<sup>4</sup>, terminating in the end C<sup>5</sup>, attached to the top of the lid or cover B. The two arms C<sup>2</sup> and C<sup>4</sup> are arranged oppo-

site each other, and can be taken hold of by the operator, so that by pressing on the arm C<sup>4</sup> the cover or lid B slides over the box-body A to finally engage by one edge the side of the box-body, whereby the cover or lid will be locked in position and the box-body A opened, so as to get at the contents, as illustrated in Fig. 2.

In order to close the box, the operator presses slightly on the handle C<sup>4</sup>, so as to raise the lid B above the upper edge of the box-body A, and then by releasing the pressure on the arm C<sup>4</sup> the spring C<sup>3</sup> forces the arms C<sup>2</sup> and C<sup>4</sup> apart, whereby the cover B is brought over the box-body A, thus closing the latter. By having the flanges D and E formed on the body and cover, as shown in Fig. 3, the box is securely and tightly closed. The flanges D and E also permit of conveniently opening the box in the manner above described, the beveled flange E easily sliding over the flange D when the operator exerts a pressure on the arm C<sup>4</sup> in the manner above described. It is understood that in opening the box the arm C<sup>4</sup> is pressed toward the arm C<sup>2</sup>, so that the spring C<sup>3</sup> is compressed. The arms C<sup>2</sup> and C<sup>4</sup> form a convenient handle for the entire box in either an open or closed position. Thus when the box is closed it can be conveniently carried about by taking hold of the handle, and when the cover or lid is removed in the manner above described the box can be conveniently supported in one hand for getting at the contents of the box.

I do not limit myself to the exact construction of the device shown, as it may be varied. For instance, a rigid handle may be attached to the box-body and the cover B, supported on a spring fastened to the handle, or the handle instead of being rigidly connected with the box may be detachably connected, so as to be conveniently attached or detached.

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

1. A box comprising a body, a spring forming a handle and supported from the said box-body, and a cover supported on the said spring and adapted to fit on the said box-body, substantially as shown and described.

2. A box comprising a body formed with an outwardly-extending beveled flange, a lid or cover formed with a beveled flange adapted to engage the beveled flange of the said  
5 box-body, and a spring formed of a single piece of wire secured at one end to the box-body and supporting at the other end the said cover or lid, the said spring being formed into arms making a handle, substantially as shown and described.

FRANK H. PALMER.

Witnesses:

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C. SEDGWICK.