

No. 697,216.

E. OLDENBUSCH.
BOX.

Patented Apr. 8, 1902.

(Application filed Oct. 2, 1901.)

(No Model.)

Fig. 1.

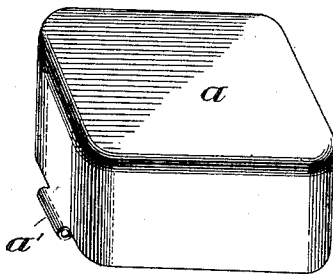


Fig. 2.

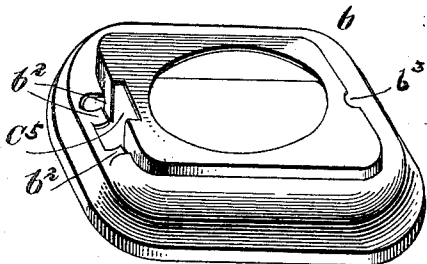


Fig. 3.

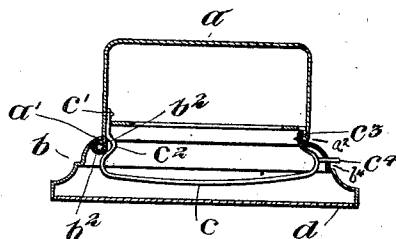


Fig. 4.

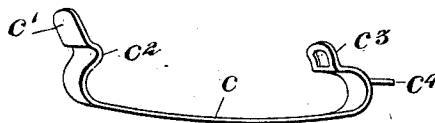
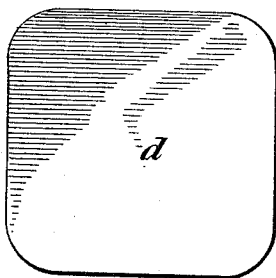


Fig. 5.



WITNESSES:

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ERNEST OLDENBUSCH, OF HOBOKEN, NEW JERSEY, ASSIGNOR TO KRON-
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BOX.

SPECIFICATION forming part of Letters Patent No. 697,216, dated April 8, 1902.

Application filed October 2, 1901. Serial No. 77,266. (No model.)

To all whom it may concern:

Be it known that I, ERNEST OLDENBUSCH, a citizen of the United States, and a resident of Hoboken, in the county of Hudson and State of New Jersey, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

My invention relates to improvements in boxes in which the cover is raised by a spring, such as are used for ink-wells, jewelry and ring boxes, and the like; and the objects of my invention are to provide an inexpensive and durable device. I attain these objects by the device shown in the accompanying drawings, in which—

Figure 1 is a view of the cover of my improved box. Fig. 2 is a view of the box-body. Fig. 3 is a sectional view of the box. Fig. 4 is a view of the spring, and Fig. 5 is a view of the base-plate.

Similar letters refer to similar parts throughout the several views.

b is a box-body of circular or other desired shape, formed in the usual well-known manner and having at the point where it is desired to form the hinge cut-out pieces b^2 b^2 and the aperture c^5 of a width equal to that of the spring c' between the cut-out pieces b^2 b^2 . At the rear of the box-body b I cut a longitudinal slit of the same length as the socket a' in the box-cover a , hereinafter described. At each end of this longitudinal slit I cut a slit at right angles to it, and midway between these longitudinal slits, at c^5 , I cut away a portion of the box-body b sufficiently wide to permit the insertion of the end c' of the spring c . The cut-out pieces b^2 b^2 are then bent inwardly to form a seat for the socket a' in the cover a . At the front of the box I cut a slot b^4 sufficiently large to allow the inserting therein of the tongue c^4 of the spring c . Above this slot and near the top edge of the box I cut an aperture b^3 for the spring-catch. A flat spring c is formed in the shape shown in Fig. 4, having an end c' , bent up and back to bear against the inside of the cover a , and a bent portion c^2 below this bent-up end to form part of the seat for the socket. The other end of the spring is formed into a catch c^3 and the tongue c^4 , as shown. The cover a has at the point where it is desired to form

the hinge a projecting socket of a size to fit the socket-seat in the box-body b , formed by the cut-out pieces b^2 b^2 . This projecting socket is preferably formed by bending over a portion of the sheet metal of which the cover a is formed. At the front of the cover I form an indentation or inward projection a^3 to catch in the aperture c^3 in the spring c when the box is closed.

My box is assembled by placing the projecting socket a' of the cover a in the seat formed by the cut-out pieces b^2 b^2 in the box-body b , the front of the cover a being toward the front of the box-body b . A pintle longer than the socket a' is then inserted in the socket a' , so that its ends project beyond the socket a' and engage the interior of the box-body b . The pintle may be held in this position by the closely-fitting socket or in any other desired manner. The spring c is then forced into position by inserting the end c' of the spring c in the aperture between the socket a' on the cover and the upper edge of the box-body b . The tongue c^4 on the end of the spring c is then forced into the slot b^4 in the front of the box-body, and the aperture c^3 in the end of the spring c will be at the aperture b^3 in the box-body b . It will thus be found that the inward projection a^3 in the cover will engage the aperture c^3 in the spring c and hold the cover when the box is closed. When it is desired to release the cover, a light pressure upon the end or tongue c^4 of the spring c , projecting through the slot b^4 , will move back the end c^3 of the spring c a sufficient distance to release the inward projection a^3 in the cover, and the cover thus released will be raised by the pressure of the end c' of the spring c against the inside of its rear part. I find that the spring c can be more easily inserted through the bottom of the box, and I therefore prefer to form the bottom d of a separate piece and insert it after the other parts are assembled. It may be held in place in any desired manner.

When it is desired to use the box for jewelry or rings, the appropriate packing is placed in the box before the bottom is put in position.

I have shown in the drawings a box such as is used for rings or jewelry; but it is apparent that a slight change in the form of the

box-body will make it equally adaptable to ink-wells and other similar receptacles.

Having thus described my invention, what I claim is—

- 5 1. In a device of the character described, the combination of a box-body having in its rear wall a plurality of cut-out pieces bent inwardly, a cover having a socket projecting therefrom on one side, and an inward projec-
10 tion at the opposite side, a pintle, and a spring one end of which projects through the box-body and bears against the inside of the cover and a projection near the other end of the spring extending through the box-body, sub-
15 stantially as shown and described.
2. In a device of the character described, the combination of a box-body having in its

rear wall a plurality of cut-out pieces bent inwardly, a cover having a socket projecting therefrom on one side, and an inward projec- 20
tion at the opposite side, a pintle and a spring one end of which projects through the box-body and bears against the inside of the cover, a projection near the other end of the spring
25 extending through the box-body and a separable base-plate therein substantially as shown and described.

Signed at Hoboken, in the county of Hudson and State of New Jersey, this 14th day of September, A. D. 1901.

ERNEST OLDENBUSCH.

Witnesses:

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