

(No Model.)

E. B. KOOPMAN.
LOCKING DEVICE FOR COIN HOLDERS, &c.

No. 463,250.

Patented Nov. 17, 1891.

Fig. 1.

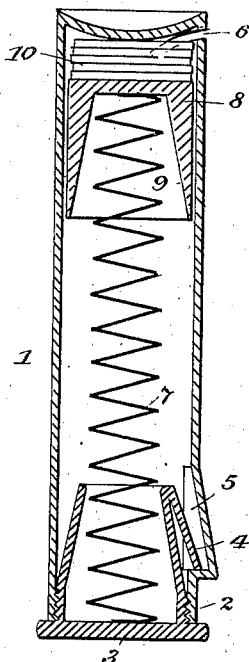


Fig. 3.

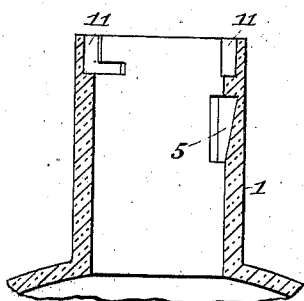
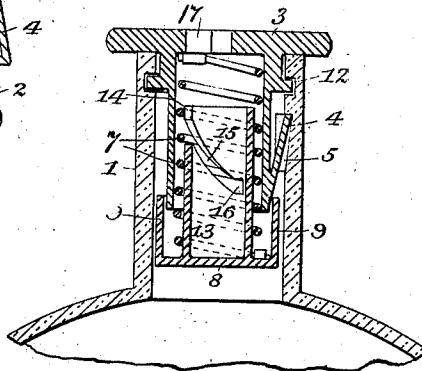


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ELIAS B. KOOPMAN, OF NEW YORK, N. Y.

LOCKING DEVICE FOR COIN-HOLDERS, &c.

SPECIFICATION forming part of Letters Patent No. 463,250, dated November 17, 1891.

Application filed March 7, 1891. Serial No. 384,135. (No model.)

To all whom it may concern.

Be it known that I, ELIAS B. KOOPMAN, a citizen of the United States, residing at the city and county of New York, in the State of New York, have invented certain new and useful Improvements in Locking Devices, of which the following is a specification, such as will enable others skilled in the art to which it appertains to make and use the same.

The primary object of this invention is to provide a device for closing tubes, bottles, &c., although it is evident from the following description of the construction and operation thereof that the same may be used for many other purposes than those herein stated.

The said invention is fully disclosed in the following specification, of which the accompanying drawings form a part, wherein similar numerals of reference designate like or equivalent parts wherever found throughout the several views, and in which—

Figure 1 represents in central vertical section my improved locking device as applied to a coin-holder or pocket-bank; Fig. 2, a like view of a modified form thereof as applied to a bottle, and Fig. 3 a like view of a portion of the construction shown in Fig. 2.

Referring to the drawings, the numeral 1, Fig. 1, designates a tubular box or casing closed at the top and provided at its lower end with an interior screw-thread 2, adapted to receive a plug or end piece 3, provided with a corresponding exterior thread, as shown. This plug 3 is provided with an outwardly and downwardly extending spring portion or lug 4, adapted to spring into and enter a recess or cavity 5, formed in one side of the tube 1, when the plug 3 is screwed fully home in such manner as to prevent the same from being unscrewed so long as such spring 4 retains its normal position.

The tube 1 is elongated, as shown, for the purpose of holding coins, and is provided near its upper end with a slot or opening 6 for their reception. Within the same, and preferably secured to the plug 3, is a spiral spring 7, provided at its upper end with a movable head or follower 8, provided with depending sides 9, which are also preferably secured to said spring 7. Said plug or end piece 3 is preferably made hollow, as shown, and the

spring-lug 4 thereof may be formed integral therewith or secured thereto in any desired manner.

The operation of this device is as follows: Coins 10 being inserted into the holder one by one through the slot or opening 6, the follower 8 is depressed thereby until the downwardly-depending sides 9 thereof pass over the spring-lug 4 and depress the same inwardly until it is freed from the recess or cavity 5, when the plug 3 may be unscrewed and the coins removed.

In the modification shown in Figs. 2 and 3 I have shown my invention as adapted for use as a bottle-lock, the neck of the bottle being equivalent to the tube 1, and being in this instance provided with right-angled slots 11, into which slide studs or projections 12, formed on the plug 3, the two together forming a bayonet-joint, which takes the place of the screw-joint shown in Fig. 1. In this form of construction the head or follower 8 is normally held in position, as shown, by a spring 7, so that the depending sides thereof barely allow the spring 4 to enter the slot 5, and this head or follower is in this case provided with an interior hollow extension 13, inclosed within the spring 7, which extension 13 is provided with a longitudinal slot 14, connected with an inclined peripheral slot 15, ending in a short straight peripheral slot 16, and in the end of the plug 3 is a key-hole 17. The operation of this form of device is as follows: A key of suitable form being inserted through the hole 17 until the bit thereof passes through the slot 14 into the slot 15, upon turning the same the bit passing along the inclined peripheral slot 15 into the straight slot 16 pulls the follower or head 8 upward until the sides 9 thereof, pressing the spring 4 inwardly, at last release it from the cavity 5, when by simply turning the plug 3 until the studs 12 enter the upright portions of the bayonet-slots 11 the same may be removed.

It is evident that many modifications in the construction, arrangement, and combination of parts other than those shown may be made without departing from the scope of my invention, and I do not limit myself to any particular form thereof; but,

Having particularly described my inven-

tion, its construction and operation, what I claim, and desire to secure by Letters Patent, is—

1. The combination, in a locking device, of
5 a tube, a plug therefor, one of said parts being provided with a spring-lug and the other with a cavity or recess to receive the same, the plug and tube being adapted to lock together by a rotative movement, a follower or
10 head normally clear of the spring-lug, but adapted to release the same when depressed, and means for depressing the follower, substantially as shown and described.

2. In a locking device, the combination of
15 a tube or casing closed at one end, a plug adapted to enter the other and close the same,

said tube and plug being provided one with a recess or cavity and the other with a spring-lug adapted to enter the same by a rotative movement of the parts, so as to prevent the reverse rotation of the same, and a movable head or follower adapted to release the spring-lug from the cavity when depressed, after which the parts may be separated, substantially as shown and described. 25

Signed at the city and county of New York, in the State of New York, this 6th day of March, A. D. 1891.

ELIAS B. KOOPMAN.

Witnesses:

HENRY M. BRIGHAM,

C. L. DAVIS.