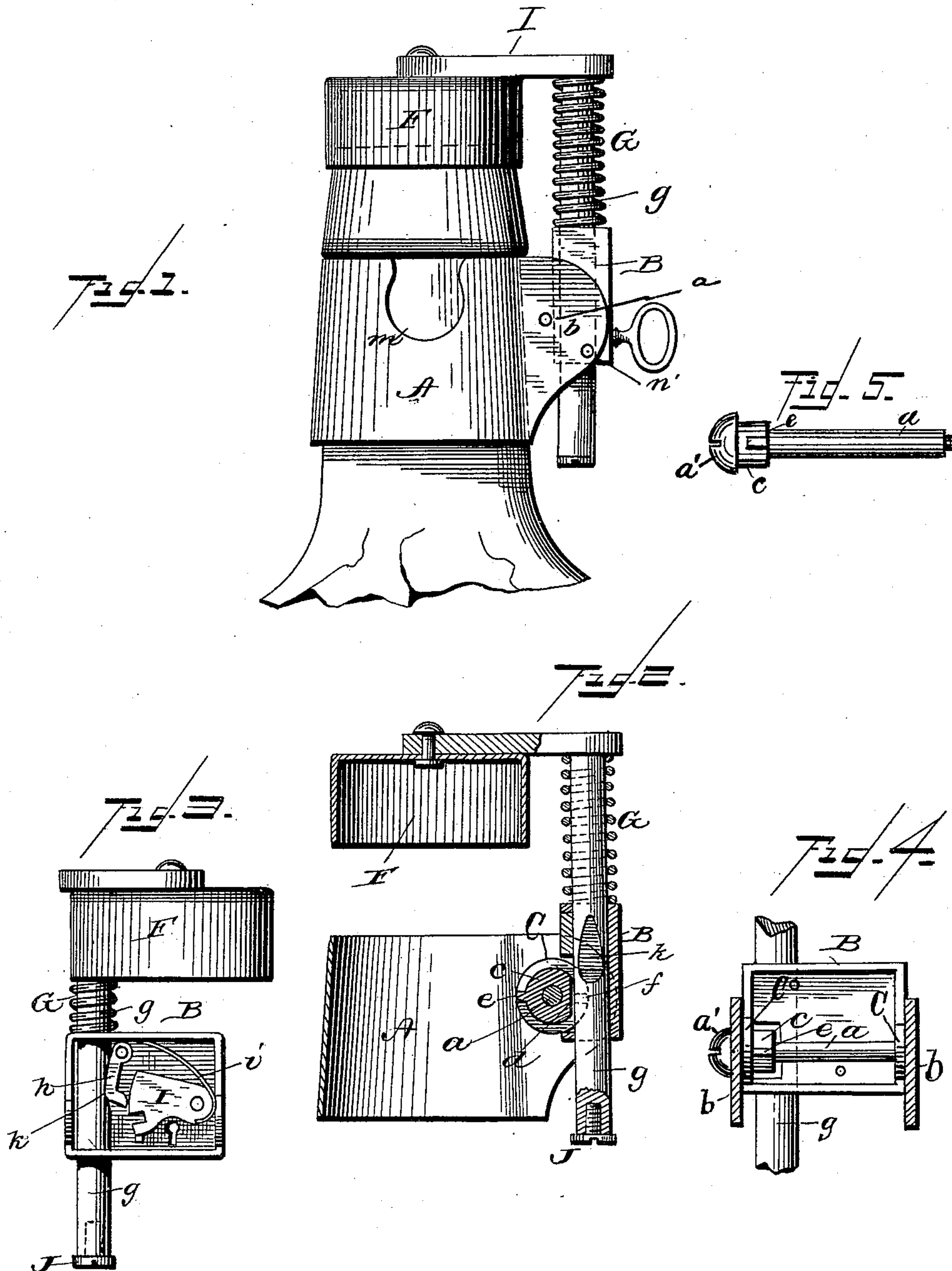


(No Model.)

A. W. NOACK, Jr.
BOTTLE LOCK.

No. 420,918.

Patented Feb. 4, 1890.



WITNESSES
F. L. Ourand
Robt. F. Cory,

INVENTOR
August W. Noack, Jr.
by Atro J. Cory.
App's Attorney

UNITED STATES PATENT OFFICE.

AUGUST W. NOACK, JR., OF WASHINGTON, DISTRICT OF COLUMBIA.

BOTTLE-LOCK.

SPECIFICATION forming part of Letters Patent No. 420,918, dated February 4, 1890.

Application filed June 28, 1889. Serial No. 315,887. (No model.)

To all whom it may concern:

Be it known that I, AUGUST W. NOACK, JR., a citizen of the United States, residing at Washington, in the District of Columbia, have
5 invented certain new and useful Improvements in Bottle-Locks; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable
10 others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The object of my invention is to produce a
15 bottle lock or fastener for a demijohn or liquor-receptacle, so that the contents of the receptacle cannot be extracted by any one who does not possess a key to the lock. I accomplish this object by means of the mechanism hereinafter described, and illustrated
20 in the drawings, in which—

Figure 1 is a side view. Fig. 2 is a sectional view through the lock mechanism and the yoke inclosing the bottle. Fig. 3 is a detail
25 view showing the locking mechanism. Fig. 4 is also a detail view. Fig. 5 is a view of the bolt by which the lock-case is secured to the collar.

A is a metal yoke or collar constructed to
30 fit the neck of a bottle or demijohn, and adapted to be fastened around the same below the head or shoulder. Its ends are turned out to form ears *b*, through which passes a screw-bolt *a*, by which the collar is secured
35 in place. The bolt *a* has an enlarged head *a'*, and adjacent thereto an enlargement or rigid collar *c*, which is flattened or cut away at one side, as indicated at *d*, and on the opposite side has a projecting tooth *e*. The
40 opening in one of the ears *b*, through which the bolt passes, is large enough to receive the collar *c*, and at one side has a notch *f*, cut out to allow the tooth *e* to pass through. The other ear *b* has a screw-threaded opening to
45 receive the screw end of the bolt *a*, whereby the collar is secured in place. There is a space between the tooth *e* and the head *a'* equal to the thickness of the ear *b*, to permit the bolt to be turned and secured after it is
50 in place, its withdrawal being then prevented by the tooth.

The lock, which fits between the ears *b b* of the collar A, is also provided with ears C C, through which the bolt *a* passes to secure it in place.

55 Connected with the collar A by means of the bolt *g* is a cup-shaped cap F, which is made to fit over the stopper of the liquor-receptacle upon which it is used, so that the liquor cannot be poured therefrom or the
60 stopper extracted when the cap has been locked in place. The bolt *g* passes through the casing of the tumbler-lock B, and has upon it a notch *k*, into which a dog *h* in the lock B falls when the bolt is locked in place.

65 That the face of the lock may always present a vertical plane to the base of a receptacle upon which it is fastened, so that the cap F, connected to the bolt *g*, will fit over the stopper of the receptacle, a pin *n'* passes
70 through the casing of the lock B and through the collar A and secures them together.

A secure connection between the cap F and A is made by providing the collar A and the lock B with ears *b* and C, respectively.
75 through which the screw *a* passes and is secured.

When the bolt *g* is in place—that is, through the opening in the casing of the lock B, located at one side thereof through the ears *b*
80 of the collar A and the ears C of the lock E—the flattened surface *d* upon the collar *c* of the screw *a* bears upon the bolt *g*, and the screw cannot be turned either to the right or left; hence the screw *a* is first introduced into place
85 through the collar and lock. When the dog I of the lock has been turned from its normal position by means of a key, the bolt *g* can be inserted through the casing of the lock B and locked in place by means of the notch
90 upon the bolt and the dog of the lock herein described. The slot *f*, through which the lug *e* of the collar passes, is located on one of the ears of the collar A on its outside and adjacent to the lock B.

95 In putting the parts together the bolt *a*, after being passed through the ears *b* and C, must be turned to the position indicated in Fig. 2 to bring the flattened side *d* of the collar *c* toward the opening in the lock-case, so that the bolt *g* may enter said opening.
100 When the bolt *g* is in place, it prevents the

bolt *a* from being turned, and so prevents it from being removed to separate the parts, which latter can only be effected by first unlocking and removing the bolt *g*.

To prevent the bolt from being withdrawn after it has been inserted in place, a screw *J*, whose head extends beyond the periphery of the bolt *g* and also the opening in the casing of the lock *B*, is provided at the lower end of bolt *g*.

Surrounding the bolt *g*, between the lock-casing and the cap-connection *I'*, I locate a spiral spring *G*.

The operation of my invention is this: When the key is turned in the lock to release the dog *I* from the notch *k* upon the bolt *g*, the spiral spring *G* expands and throws up the bolt *g* and cap *F*, which can then be turned around so that the liquor can be poured from the receptacle. When it is desired to lock the cap over the stopper, it is pressed down until the notch *k* upon the bolt *g* is contiguous to the dog *I*, which is thrown into connection by the springs *i* of the tumbler-lock *B*. A cut-out place *m* in the collar *A* will be observed. This is for the purpose of giving the collar greater elasticity and also to provide a place for the ordinary wicker-handle of a demijohn.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A bottle-locking device comprising a lock provided with means for securing it to

the side of the neck of a bottle below the 35
mouth thereof, a vertical stem passing through
the lock and carrying at its upper end a cap
or stopper to fit over the mouth of the bottle,
said stem adapted to be engaged by the bolt
of the lock, and when unlocked to be moved 40
longitudinally, substantially as and for the
purpose described.

2. A bottle-locking device comprising a
lock provided with means for securing it to
the neck of a bottle, a cap or stopper pro- 45
vided with a stem adapted to be engaged and
held by said lock, and a spring between the
lock and the cap or stopper to throw the lat-
ter away from the mouth of the bottle when
the lock is unlocked and the stem released, 50
substantially as shown and described.

3. In a bottle-locking device, the combina-
tion of a collar *A*, adapted to be secured to
the neck of a bottle, a lock *B*, connected with
said collar, a vertical rod *g*, adapted to enter 55
the lock-case and to be engaged and held by
the lock-bolt, a spring *G*, to elevate said rod
when the lock is unlocked, and a cap secured
to the upper end of said rod, which cap when
the rod is locked is held over the mouth of 60
the bottle, substantially as shown and de-
scribed.

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

AUGUST W. NOACK, JR.

Witnesses:

JOHN A. RUDD,
EDWARD F. RIGGS.