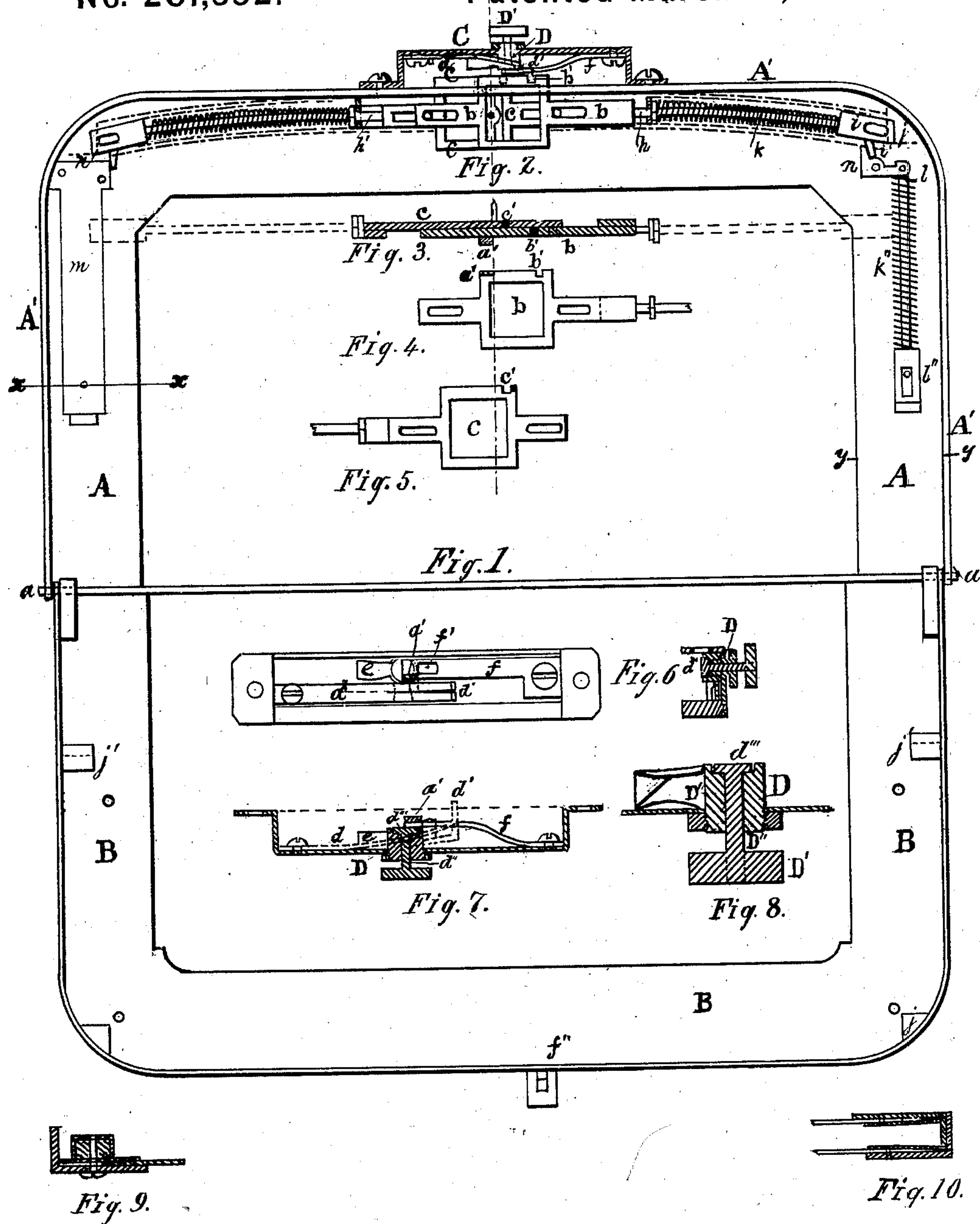


A. OBERNDORFER.
Bag Lock.

No. 201,552.

Patented March 19, 1878.



Witnesses

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UNITED STATES PATENT OFFICE.

ABRAM OBERNDORFER, OF NORFOLK, VIRGINIA.

IMPROVEMENT IN BAG-LOCKS.

Specification forming part of Letters Patent No. **201,552**, dated March 19, 1878; application filed February 19, 1878.

To all whom it may concern:

Be it known that I, ABRAM OBERNDORFER, of the city of Norfolk, in the county of Norfolk and State of Virginia, have invented certain new and useful Improvements in Fastenings for Valises, Carpet - Bags, Satchels, Trunks, and other similar articles; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

This invention relates to improvements in fastenings for valises, carpet-bags, satchels, trunks, and similar articles; and consists in certain devices within a central lock, so that the lock may be unlocked and the article opened and closed by means of a spring-latch, and fastened, without the key, after it has been unlocked by the key, all of which will be hereinafter more fully described, and set forth in the claims.

This invention is designed as an improvement upon the devices in a patent issued to me August 28, 1877, numbered 194,715.

Figure 1 represents an inside view of the bag and lock and connecting devices for locking it. Fig. 2 is a view of the lock and its connections. Figs. 3, 4, 5, 6, 7, 8 are detailed views of the various parts of the lock and connections; Figs. 9 and 10, sections on *x x* and *y y*, Fig. 1.

A is the frame of the bag, which has a flange, A', around it. B is the opposite frame, which is fitted neatly and exactly within the flange A', and is hinged to A at *a a*, Fig. 1. At the central part, at the top, is the lock C, the several parts of which are represented in detail in Figs. from 3 to 8, inclusive. *b* and *c* are two slides, which move longitudinally alongside of each other, and are halved into one another, as seen in the edge view, Fig. 3. Fig. 4 shows one of them flatwise, and Fig. 5 the other. In each there is a notch, *b' c'*. These notches in Fig. 2 are apart some distance when the bag is locked, as shown in Figs. 1 and 2. When the key is turned and the slides *b* and *c* are at their fullest extent of motion, notches *b' c'* are coincident, and a spring, *d*,

having a pawl or detent, *d'*, will force the pawl or detent into the notches *b'* and *c'*, as seen in Fig. 2.

In the lock C there is a double spindle, D, in which the stem *d''* of a thumb-screw, D', turns, and on the other end of which is a button, *d'''*. Permanently affixed to the outer spindle D'' is a ward, *e*, made beveled, to slide over the spring *d*, so that, when the spindle D'' is turned by the thumb-screw D', the cam *e* lifts the spring *d* up and releases the slides *b c*, and permits them to move. In lock C there is also a spring-catch, *f*, the end of which rests upon the button *d'''*. In this spring-catch *f* there is a slot, *f'*, to hold a catch, *f''*, on the frame B. By shoving inwardly the thumb-screw D', the button *d'''* forces the spring-catch *f* downward, and releases the catch *f''*.

When the lock is fastened there is on the upper edge of slide *b* a lip, *a'*, which comes immediately under the end of spring-catch *f*, and prevents it from being pressed down to release the catch *f''* for opening the bag. When, however, the slides *b* and *c* are moved by the key, this lip *a'* is withdrawn from under spring-catch *f*, so that it can be moved for the release of catch *f''*.

Attached to slide *b* is a rod, *h*, having at its outer end a square bolt, *i*, which engages with a notch in a projection, *j*, in the frame B. Around the rod is a coiled spring, *k*, which causes the bolt to recoil when loosened by the detent *d'*.

On the lower side of the bolt *i* is a tappet, *i'*. This tappet impinges upon the upper arm of a bell-crank, *n*, to the other arm of which is attached a rod, *l*, having at its other end a bolt, *l'*, similar to bolt *i*, and which engages with a catch, *j'*, on the frame B. A spring, *k''*, is employed around the rod, to keep the bolt *l'* engaged with the catch *j'*. A similar bolt, spring, and rod *h'* are attached to the slide *c* on the other side, and a rod and bolt are connected also by a bell-crank, *n'*, which in the drawing are all covered by the cap-piece *m*, and which cap on the other side, in the drawing, is not shown. The slides *b* and *c* and the lock C are all covered by cap-pieces, (not represented in the drawing, except by dotted lines,) showing the edges of the sides thereof. Fig. 3 shows the manner in which these two slides *b* and *c* move together, so that when the key

opens the lock the notches b' and c' are brought together, so that the pawl or detent d' of spring d can fall into them, and prevent the slides from locking all the bolts.

When, by use of the key, the slides b and c are spread apart, the detent d' falls into notches b' and c' , and the key can be removed. By pressing inwardly the stem d'' , the button d''' forces down the spring f , and the catch f'' is released, and the bag or other article can be opened so long as the detent d' is in the notches b' and c' . The bag can be closed and opened by use of the stem d'' and thumb-screw D' . To lock the article it is only requisite to turn the thumb-screw D' until ward e forces the spring d downward, and detent d' is removed from the notches b' and c' , and the slides are forced apart by recoil of the springs, and the catch is held until the key is again inserted to unlock it.

I claim—

1. The combination of the slides b and c ,

provided with notches b' and c' , the spring-catch d d' , and turning spindle with its cam e , substantially as and for the purpose described.

2. The double spindle D , having an interior stem, d'' , with the button d''' , and the outer part D'' , with its cam e , substantially as and for the purpose described.

3. The combination of the stem d'' with its button d''' and the spring-catch f , substantially as and for the purpose described.

4. The combination of the slide b with its lip a' , the spring-catch f , the double spindle D , with the button d''' , and cam e , spring d , provided with detent d' , all substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

ABRAM OBERNDORFER.

Witnesses:

WM. R. SINGLETON,
GEO. F. GRAHAM.