

H. AHREND.
Bag-Locks.

No. 139,526.

Patented June 3, 1873.

Fig. 1.

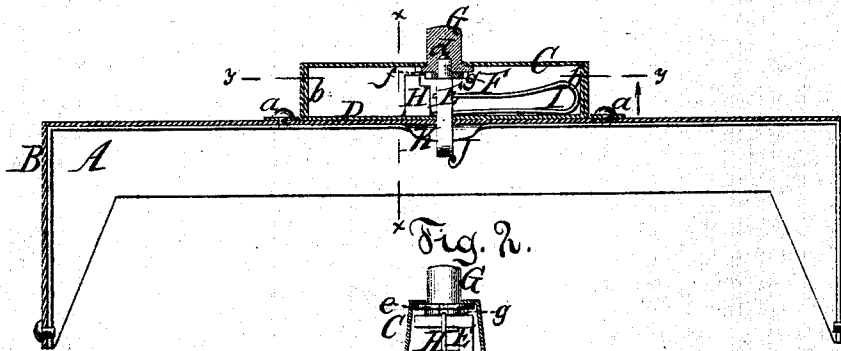


Fig. 2.

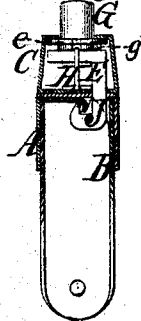


Fig. 3.

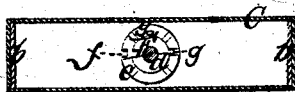


Fig. 4.



Witnesses.
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN BAG-LOCKS.

Specification forming part of Letters Patent No. **139,526**, dated June 3, 1873; application filed April 25, 1873.

To all whom it may concern:

Be it known that I, HERMANN AHREND, of Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Locks for Traveling-Bags; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which drawing—

Figure 1 is a vertical longitudinal section of the frame of a traveling-bag, and of the lock. Fig. 2 is a cross-section in the line *xx*, Fig. 1. Fig. 3 is a horizontal section of the lock-case in the line *yy* of Fig. 1. Fig. 4 is a top view of the lock-case.

Similar letters indicate corresponding parts.

The object of this invention is to simplify and cheapen the fastening devices of frames for traveling bags, satchels, reticules, and similar articles, where the invention can be used; and it consists in suspending the bolt of the lock in the case upon a spring, which is depressed by a flanged knob whose flange is notched and confined within the walls of the lock-case, while its top projects through the top of the lock-case, the knob being loosely mounted upon a pintle formed on the top of the bolt which receives also a loose notched disk, arranged below and next to the flange of the knob. Both the loose disk and the flange of the knob are notched to enable them to pass down over the blade of a stationary post which arrests these parts and prevents them from being pushed down at all times, except when the notches of the flange and disk coincide with the blade. The pintle of the bolt is always concealed and protected by the knob, and it is only by pressure on the button that the bolt can be depressed. The top of the lock-case can be marked to correspond with marks on the knob, so as to form a key by which the knob can be turned around to the right position to unlock the bolt. The loose disk is turned by the knob by means of projections in their adjacent surfaces, the rotation of the knob in one direction causing the projections to meet, when, continuing to turn the knob, the disk will be turned and the notch of said disk will be brought into

coincidence with the blade of the post, and by reversing the motion of the knob its notch is also brought in position to allow of depressing the bolt.

The letters A B designate the male and female jaws of the frame of a traveling-bag or satchel. Upon the top of the part B is fastened a lock-case C, by means of rivets which pass through its perforated ears *aa*. The bottom of the lock-case consists of a loose flat plate, D, whose ends are turned up, as at *b b*, to form guides by which it is fitted and held in place in the case. The top of the lock-case C, the plate D, and the top of the part B of the frame are perforated in the same line to receive the bolt E, which is placed in position by inserting it up through these perforations after these parts are laid together, the lower or hooked part of the bolt serving as a stop by coming in contact with the under side of the frame. The loose disk F and the flanged knob G are placed in the lock-case in readiness to receive the pintle *d* of the bolt, the knob projecting through the top of the case and its flange catching under it, as seen in the drawing. The disk and the flange *e* of the knob are notched, as seen at *ff*, to admit the blade of the post H, which rises up within the lock-case from the bottom plate B in such a position as to stop the descent of the disk and the knob, except when their notches coincide with its blade. The disk is of a less diameter than the flange of the knob, and the blade of the post is cut away so as to allow the disk to revolve over it without striking the blade. The disk is carried around along with the knob by means of projections *gg* on each, which come in contact when the knob is revolved so as to turn the disk also, and thereby enable the operator to bring the notch of the disk in line with the blade of the post; when this is accomplished, following the guiding marks above referred to on the knob and lock-case, the knob is next turned backward to bring its notch also into coincidence with the blade, and then by pushing downward the bolt is depressed and the bag-frame becomes unlocked. The upper part of the bolt which carries the pintle extends in a horizontal direction, and between it and the bottom-plate D is confined a spring, I, which raises

the bolt after every downward movement. The bottom part J of the bolt is retained below the jaw B by its shape, which will not permit it to pass up through the opening in the jaw, and is hook-shaped, its end, which is beveled, being presented toward the edge of the jaw A with which it engages so as to lock the jaws together, the edge of the jaw A being bent at the proper place to a corresponding bevel as at K, so as to form at that place a beveled keeper, which is engaged by the hook of the bolt.

It will be observed that all the parts of my fastening are loose and are retained in their proper places only by juxtaposition with adjacent parts, excepting that the lock-case itself is fastened to the frame by its ears.

It is obvious that the notched disk F may be omitted, and the bolt operated by the knob

G, which, in that case, has to be turned to such a position that its notch will coincide with the post H. By using the notched disk in combination with the knob G, the safety of the lock is increased.

What I claim as new, and desire to secure by Letters Patent, is—

The spring-bolt E, and flanged knob G, arranged to move in the same vertical line as described, in combination with the post H, for locking the frames A B, with or without the notched disk F, substantially as described.

This specification signed by me this 23d day of April, 1873.

HERMANN AHREND.

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.