

F. W. MIX.
Bag-Lock.

No. 164,752.

Patented June 22, 1875.

Fig. 1.

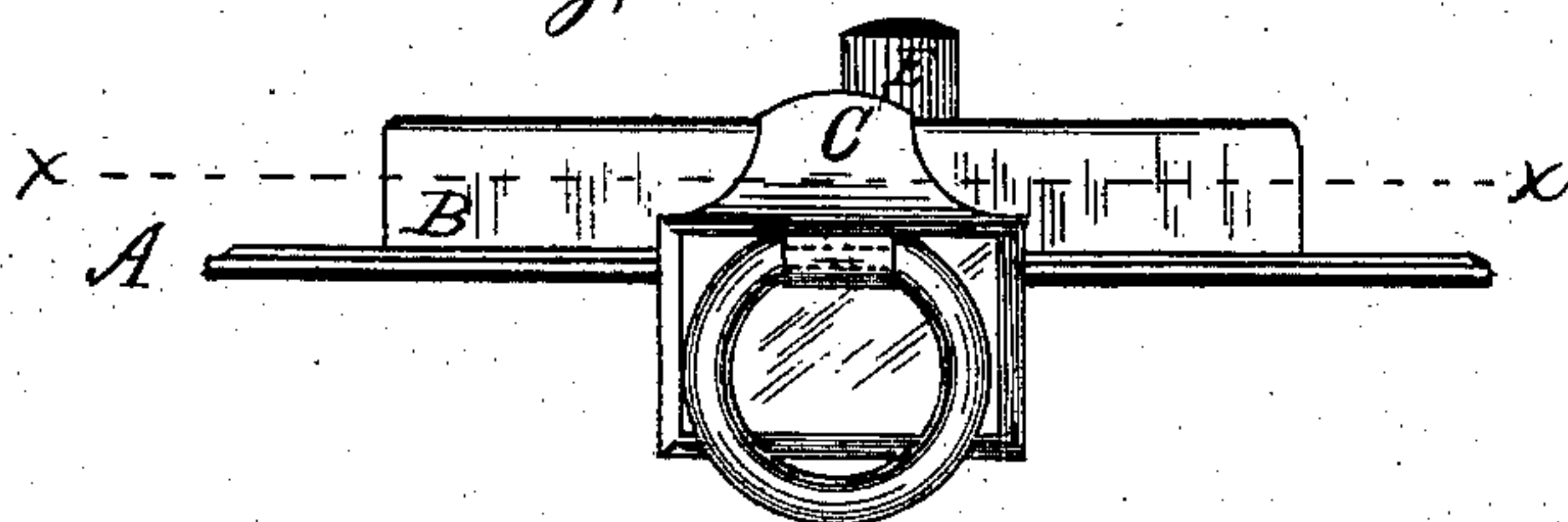


Fig. 2.

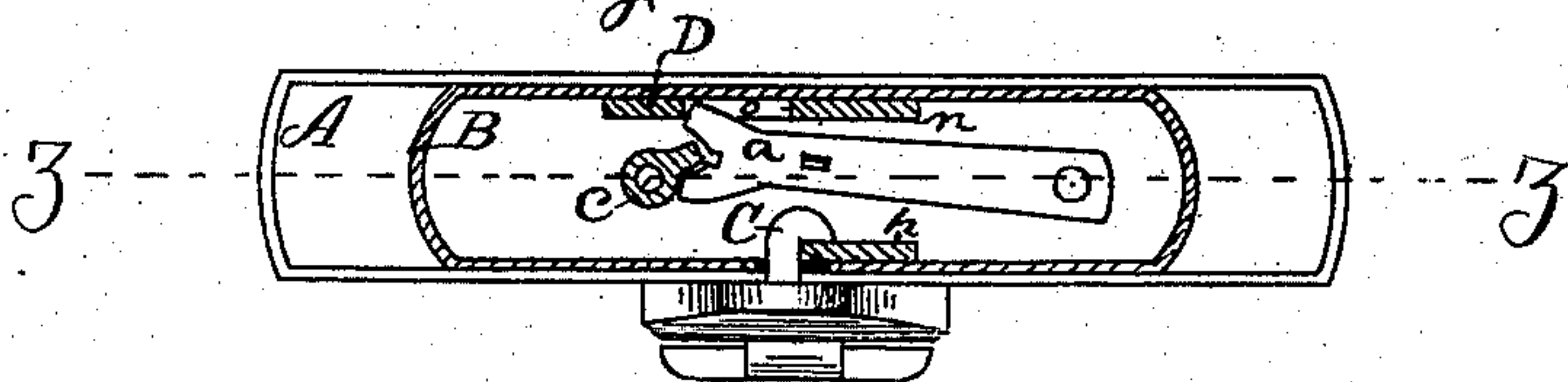


Fig. 3.

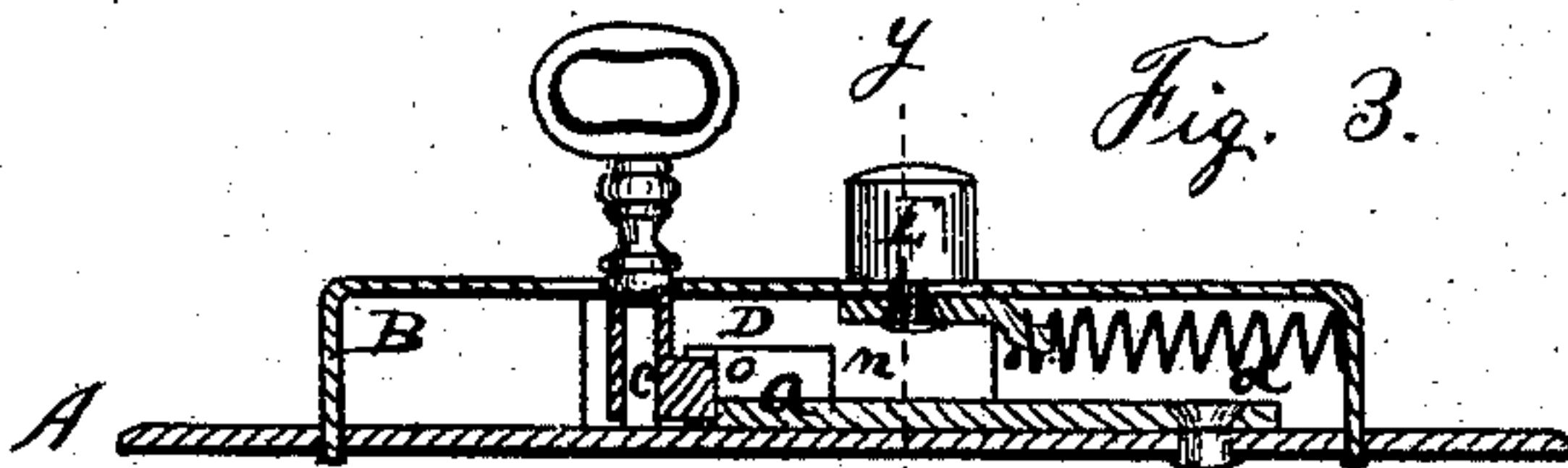
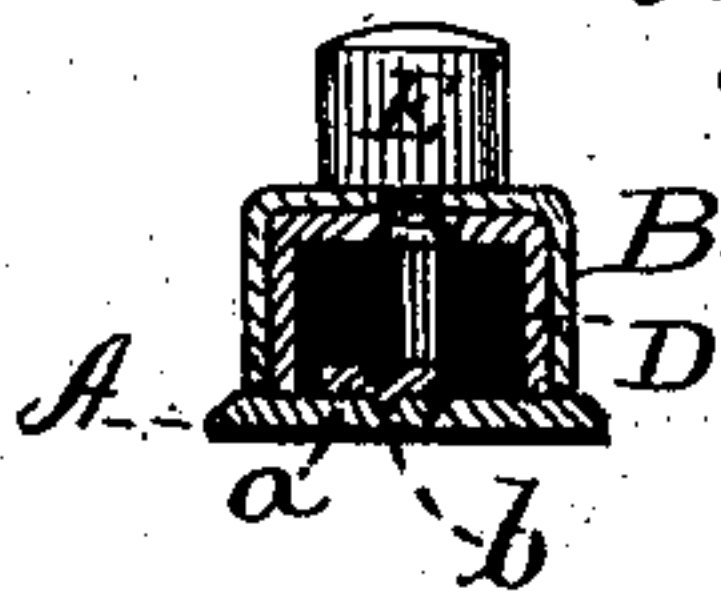


Fig. 4.



Witnesses

John Pollitt
Merritt A. Mitchell

Inventor

Frank W. Mix
By James Shepard, Atty.

UNITED STATES PATENT OFFICE.

FRANK W. MIX, OF TERRYVILLE, CONNECTICUT, ASSIGNOR TO THE EAGLE LOCK COMPANY, OF SAME PLACE.

IMPROVEMENT IN BAG-LOCKS.

Specification forming part of Letters Patent No. 164,752, dated June 22, 1875; application filed April 20, 1875.

CASE B.

To all whom it may concern:

Be it known that I, FRANK W. MIX, of Terryville, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Bag-Locks, of which the following is a specification:

My invention consists of the peculiar construction and combination of the parts, all as hereinafter described.

In the accompanying, drawing, Figure 1 is an elevation of one side of a bag-lock which embodies my invention. Fig. 2 is a horizontal section of the same, taken on line *xx* of Fig. 1. Fig. 3 is a vertical section of same on line *zz* of Fig. 2; and Fig. 4 is a transverse section of the same on line *yy* of Fig. 3.

The exterior of the lock is substantially like many of those now in common use. A designates the base-plate, and B the case, which are secured to each other by lugs in the usual manner. To the base-plate A a spring-dog, *a*, is secured by means of a rivet at one end, as shown in Figs. 2 and 3. An inclined projection, *b*, Fig. 4, is formed upon the under side of the dog *a* at its swinging end, and in the base-plate there are two inclined recesses, in which said projection engages alternately to hold said dog either to one side or the other. *c* designates the post, upon which an ordinary bit-key turns, and engages with the notch at the swinging end of the dog *a*, after the usual manner of operating similar dogs. Upon one side of the shell or case B is an opening, through which the catch C enters. D designates a slide, a transverse section of which is shown in Fig. 4, and in which figure it may be observed that it conforms to, and fits the interior of, the case B. This slide D is fitted within the case so as to slide easily back and forth for a short distance lengthwise with the case. To the upper and central portion of the slide D a knob or handle, E, is secured, the same extending

through the case, and working in a longitudinal slot. At the rear of the slide D is a spiral spring, *d*, which throws the slide forward, one end of which spring is supported by a tip formed upon the slide D, as shown in Fig. 3. One leg, *h*, of the slide D engages with the catch C, as shown in Fig. 2. The other leg *n* of said slide has a portion removed to form a recess, *o*, so located that when the slide D is thrown forward the solid wall at the front of said recess is nearly opposite the swinging end of the spring-dog *a*. The legs *h n* of the slide D are so far apart as to allow ample room for the spring-dog *a* to work between them. The inclined projection *b* of the dog *a* and its corresponding recesses are so located that when said projection rests in the one which, in Fig. 2, is the upper one, the end of the spring-dog *a* abuts against the wall of the recess *o*, as shown in Fig. 2, and thus prevents the slide D from being thrown backward to disengage the catch C. By means of an ordinary bit-key the spring-dog *a* is thrown away from the leg *n*, and is held away by means of the projection *b* resting in the lower one of the inclined recesses, so that the slide is free to be moved back to disengage it from the catch C, so that said catch may be withdrawn.

I claim as my invention—

1. The spring-dog *a*, pivoted upon the base A, and provided with mechanism for holding it to either side, in combination with the legs *h n* of the slide D, all operating together within the case, substantially as described.

2. The combination of the case B, slide D, and its legs *h n*, handle E, spring *d*, catch C, and swinging dog *a b*, pivoted upon the base-plate A, all substantially as described.

FRANK W. MIX.

Witnesses:

ELISHA MIX,
WM. B. ELLS.