

(Model.)

H. GOODRICH & J. R. SIDDALL.

HASP LOCK.

No. 246,752.

Patented Sept. 6, 1881.

Fig. 1.

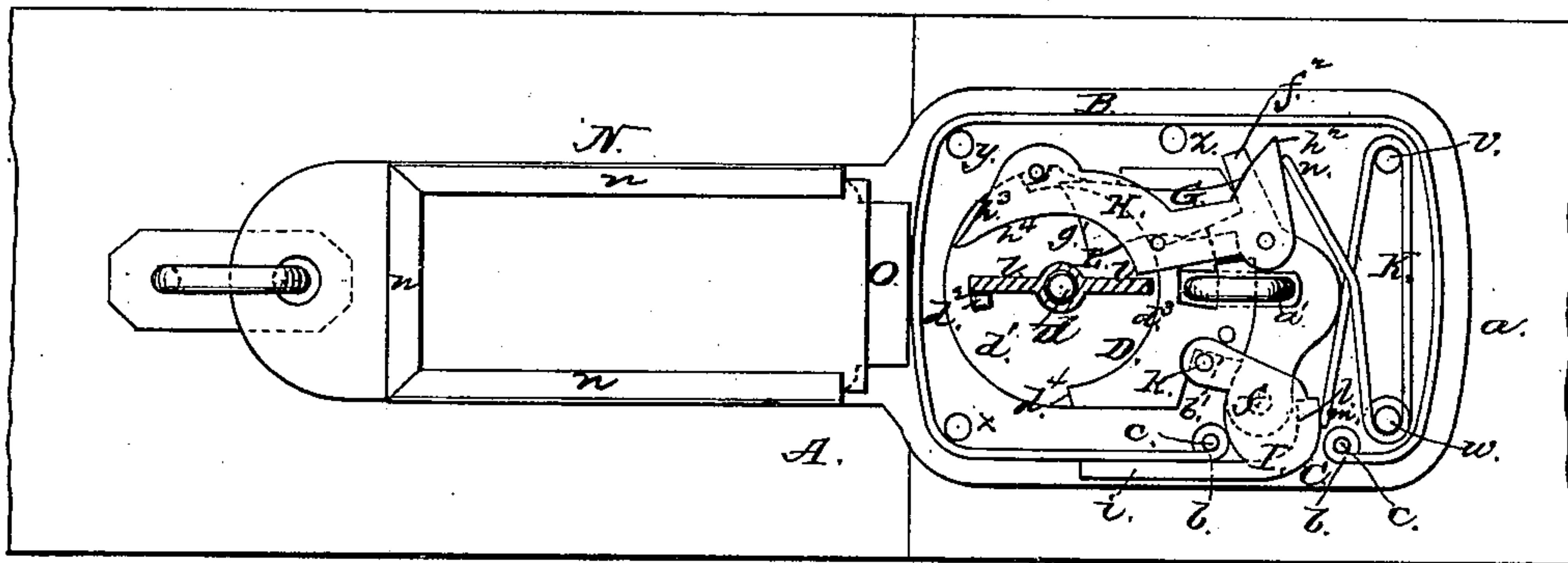


Fig. 2.

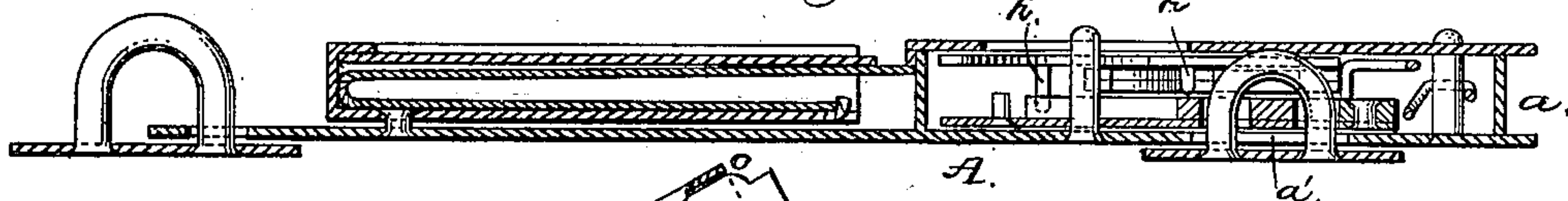


Fig. 3.

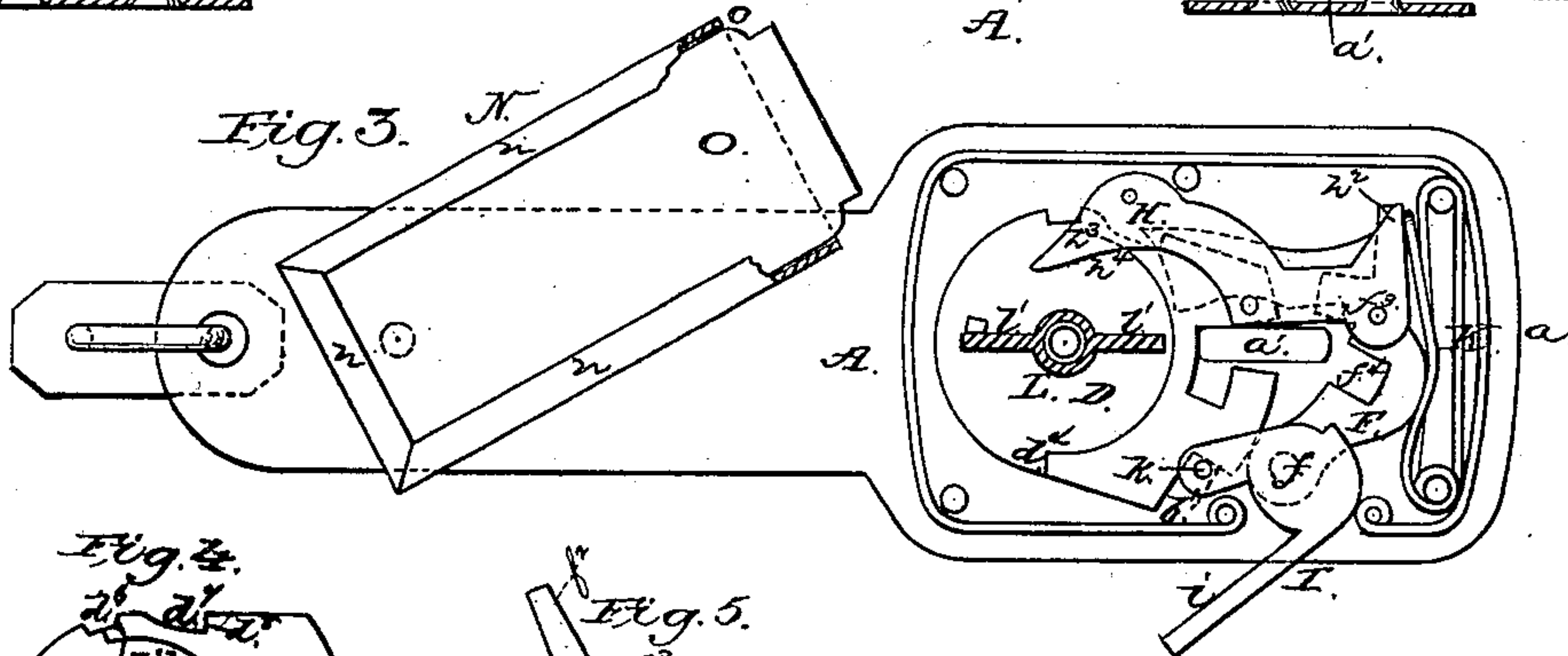


Fig. 4.

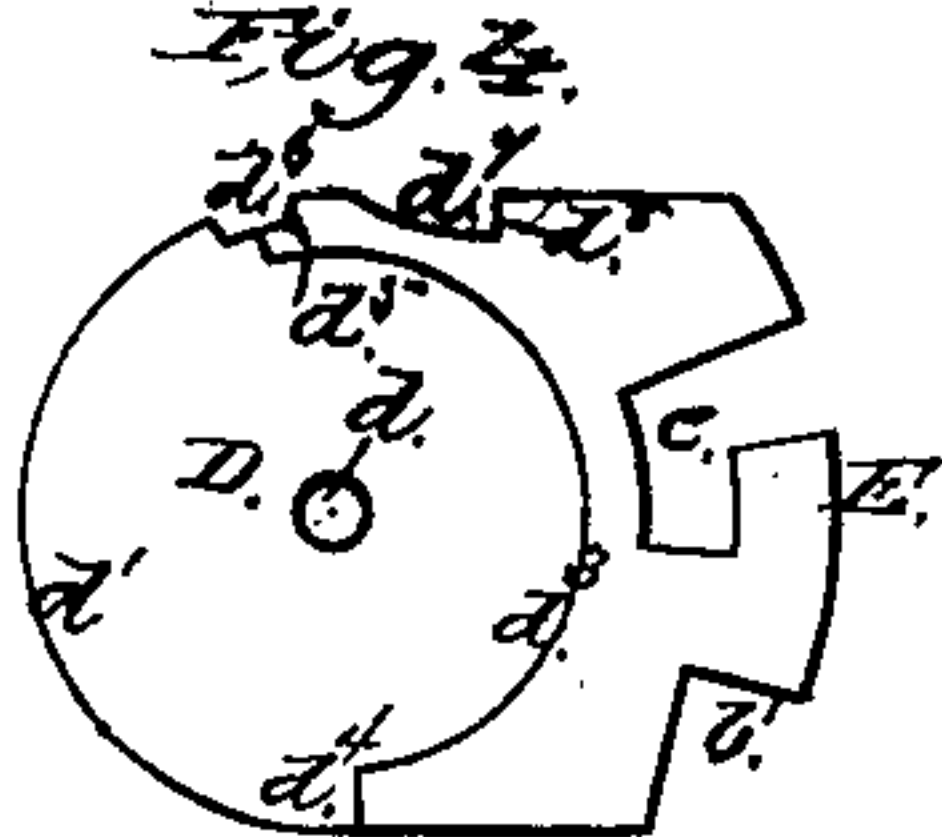


Fig. 5.

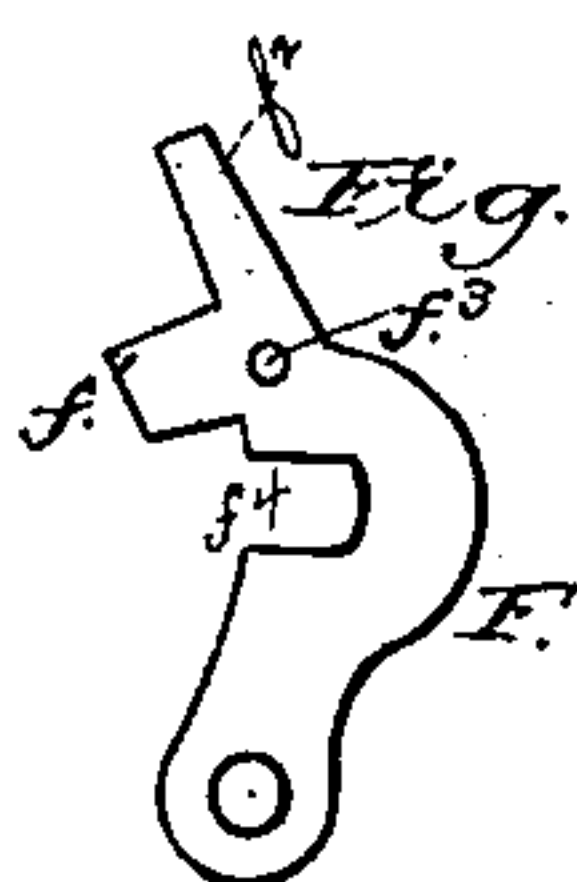


Fig. 8.

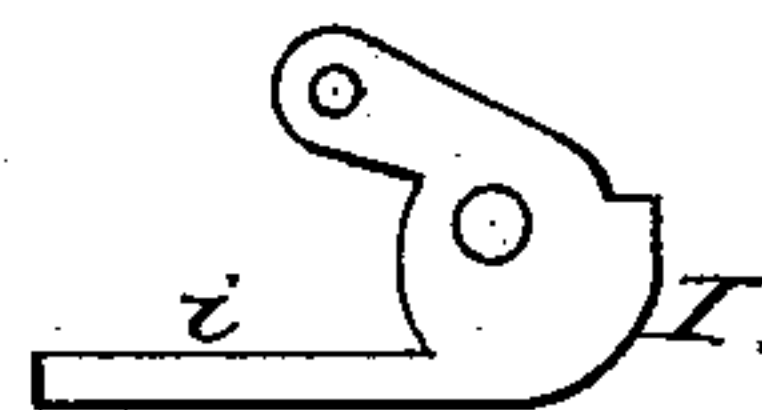


Fig. 6.



Fig. 7.

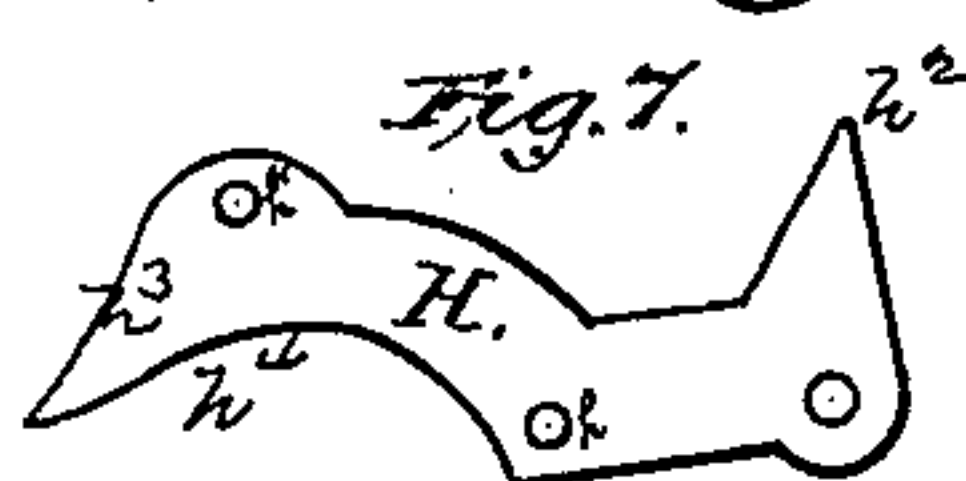


Fig. 10.

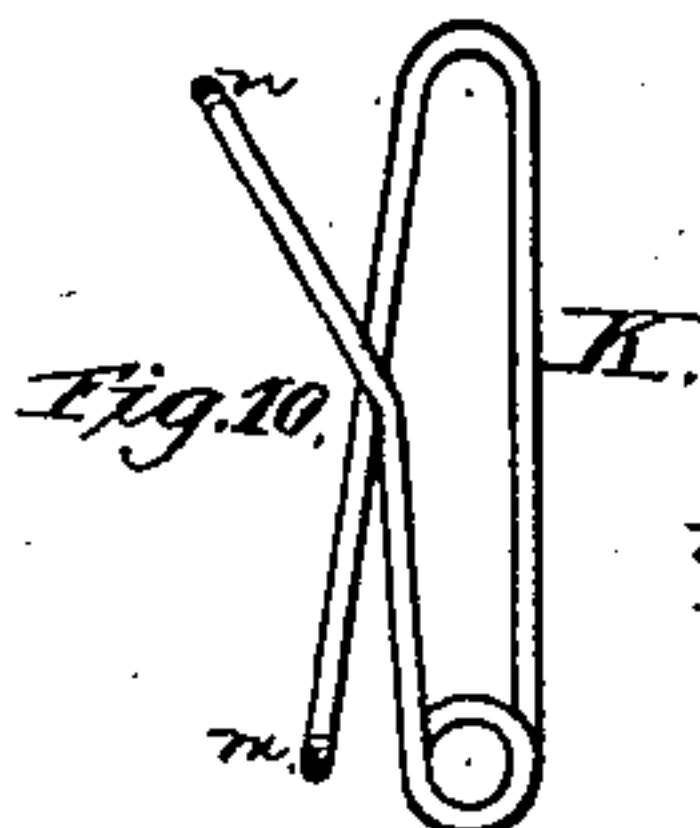


Fig. 9.

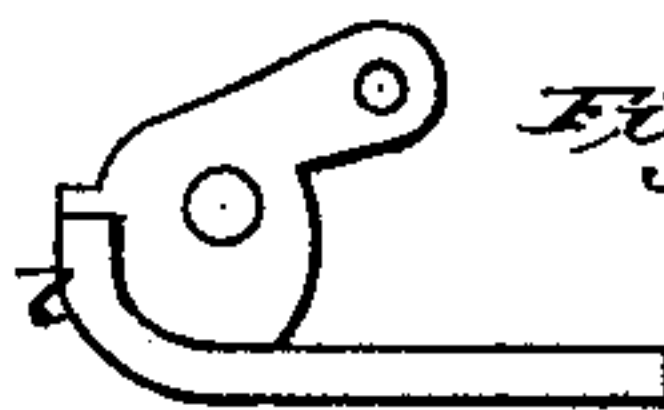


Fig. 11.



WITNESSES

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UNITED STATES PATENT OFFICE.

HANSON GOODRICH AND JOSEPH R. SIDDALL, OF MCLEANSBOROUGH, ILL.

HASP-LOCK.

SPECIFICATION forming part of Letters Patent No. 246,752, dated September 6, 1881.

Application filed April 30, 1881. (Model.)

To all whom it may concern:

Be it known that we, HANSON GOODRICH and JOSEPH R. SIDDALL, both citizens of the United States, and of McLeansborough, in the county of Hamilton and State of Illinois, have invented a new and valuable Improvement in Hasp-Locks, &c.; and we do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a plan view of the lock with the cover removed, showing it fastened. Fig. 2 is a longitudinal section. Fig. 3 is a view similar to Fig. 1, showing the lock unfastened. Figs. 4, 5, 6, 7, 8, 9, 10, and 11 are details of various portions of the lock.

This invention relates to improvements in hasp-locks.

The invention consists in the construction and novel arrangement hereinafter set forth and claimed.

In the annexed drawings, A is a hasp having its end *a*, which is slotted at *a'* for fastening, enlarged to form the base of the lock. Projecting from this plate are the various studs for securing the parts in place.

B is the wall of the lock, held at its ends *b* to the studs *c*, forming an opening, C, and bent around the studs *x y z v w*.

On stud *d* is pivoted the locking-bolt D. This bolt has the curved heel *d'*, on which is a short pin, *d''*, projecting upward. At the front the bolt is thickened and curved, forming a concave, *d'''*. At one end of this curved portion is the shoulder *d''''*, at the other, on the outside of the bolt, a rabbet, *d''''''*, there being also at this point a nick, *d''''''''*. In front of these is the curve *d''''''''''*, having shoulder *d''''''''''''*. On the other side, at the front, a notch is cut out of the corner of the bolt, making an angular shoulder, *b'*.

In the front of the bolt is cut an L-shaped notch, *e*, forming a hook, E, the distance of this hook from the pivot being such that the hook will swing across slot *a'* and catch the staple, which will come therein.

Located within opening C is the stud *f*, on which is pivoted a tumbler, F, having a notch, *f''*, to span the staple, stud *f'*, an extended finger, *f''''*, and a pin, *f'''*, projecting upward at the base of the stud *f'*. Pivoted on this pin *f'''* is a tumbler, G, having pointed heel *g*, curve *g'* at its head, and curved on its sides. H is another tumbler, pivoted on the pin *f'''* above tumbler G, and having depending pins *h h'*, which come one on each side of this latter tumbler. This tumbler H has the pointed heel *h''*, and its other and free end, *h'''*, curves around at *h''''*.

I is the locking-lever, which is pivoted on stud *f*, and its handle *i* extends through opening C. This lever has a pin, *k*, which comes in against shoulder *b'*, and a shoulder, *l*, behind the tumbler F.

K is a spring, one end, *m*, bearing against the locking-lever and tumbler F at the pivot *f*, the other, *n*, against the heels of tumblers G and H.

L is a key having two bits, *l' l''*, in line. Over this lock is placed a cover having key-hole suited to key L.

The parts, when locked, rest with the hook E in the staple, the stud *f'* in notch *e*, locking the bolt, pin *h'* in rabbet *d''''* and nick *d''''''*, and the spring holding all tight. When the key is put in and turned to unlock, one of its tongues, moving in the curve *h''''*, forcing pin *h'* out of the rabbet and nick, strikes against tumbler G, pushing its tumblers H and F back, and moving stud *f'* out of notch *e*. At this point the other tongue, *l*, strikes pin *d''*, and, turning the bolt D, draws the hook E out of the staple, and at the same time moves the locking-lever I on its pivot. This compresses the spring, and the parts, acting as a locking-toggle, hold it. The hasp can now be taken from the staple.

The lock can be closed by lever I by moving its handle to the wall of the lock, causing its pin *k* to bear on shoulder *b'*, and force the hook E into the staple, or by the key in the usual way.

It will be seen that lever I cannot unlock the device. For this purpose the key is to be used.

N is the label-holder having the flanges *n*,

and inside the plate-spring O. The label is slipped in the open end *o* between the flanges and spring, and is kept from accidental displacement. This holder is riveted to the hasp.

5 We claim—

The combination of locking-bolt D, having pin d^2 , tumbler F, having stud f' , notch f^4 , and pin f^3 , tumbler G, tumbler H, having pins h h' , and spring K, with key L, having the bits
10 l l' , as set forth.

In testimony that we claim the above we have hereunto subscribed our names in the presence of two witnesses.

HANSON GOODRICH.
JOSEPH R. SIDDALL.

Witnesses:

R. T. MEADOR,
C. W. ENDALEY.