

F. W. HOOD.
Revolving Fire-Arms.

No. 160,192.

Patented Feb. 23, 1875.

Fig. 1.

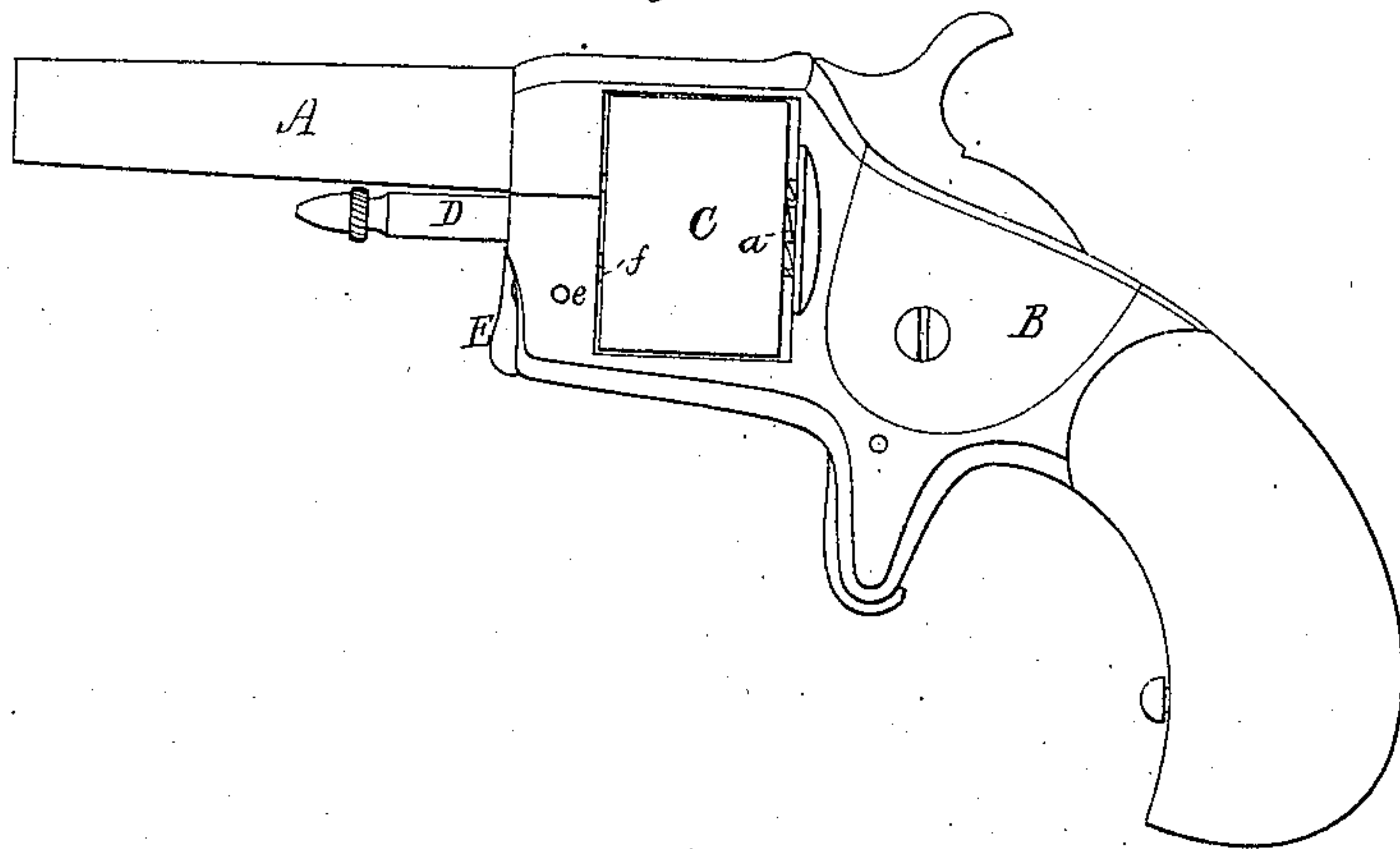


Fig. 2.

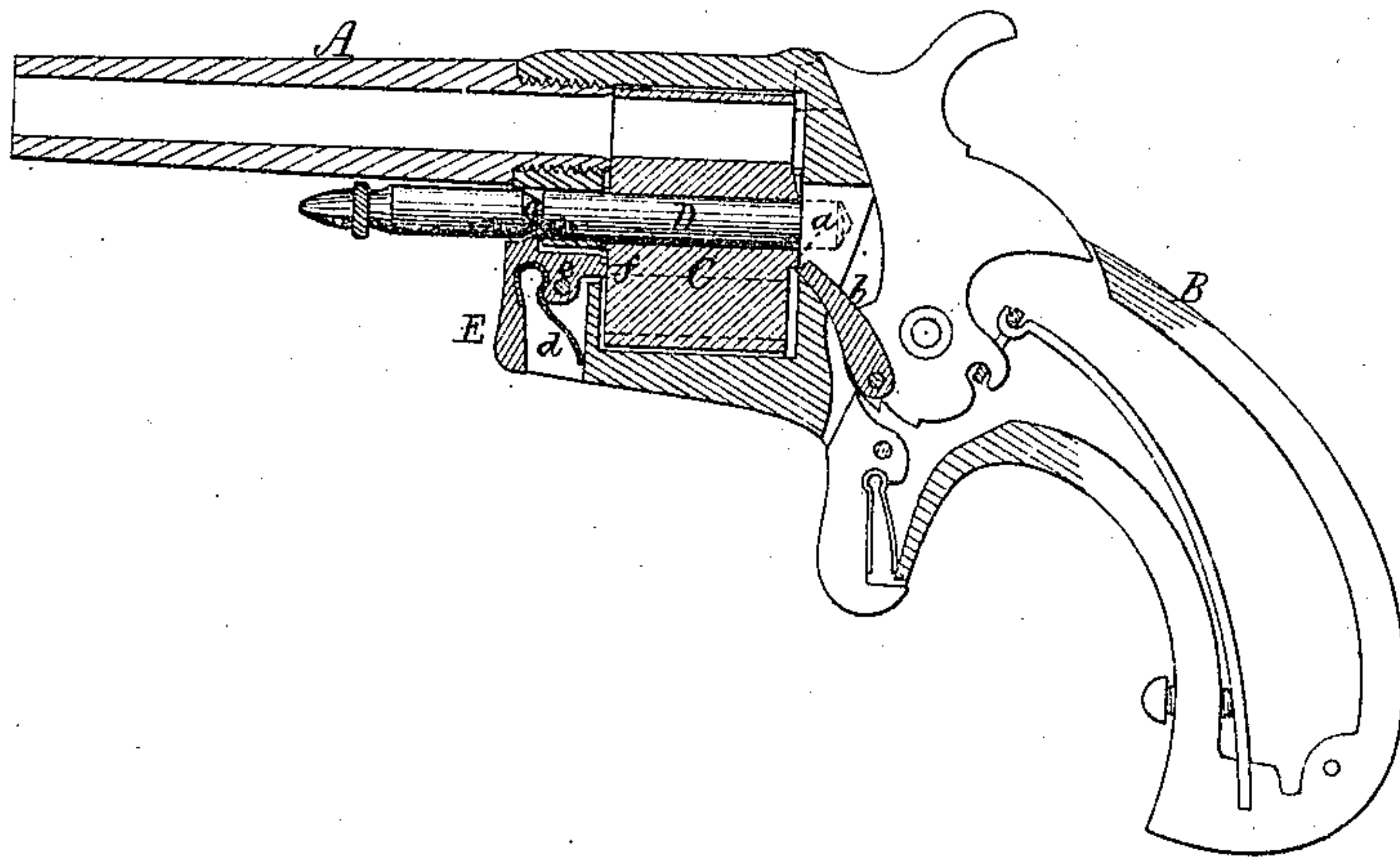
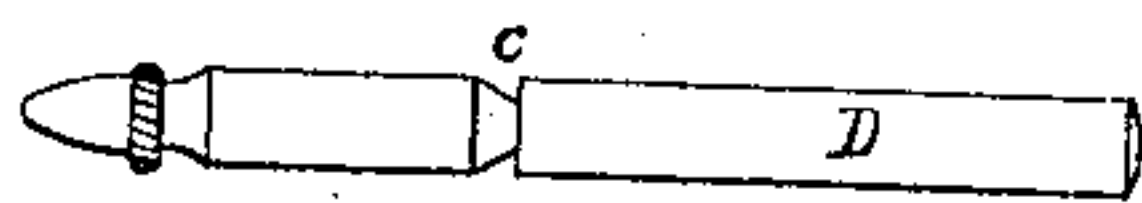


Fig. 3.



Witnesses

S. W. Piper

L. S. Keller

Freeman W. Hood

by his attorney

N. W. Hedy

UNITED STATES PATENT OFFICE.

FREEMAN W. HOOD, OF NORWICH, CONNECTICUT, ASSIGNOR TO THE HOOD
FIRE-ARMS COMPANY, OF SAME PLACE.

IMPROVEMENT IN REVOLVING FIRE-ARMS.

Specification forming part of Letters Patent No. 160,192, dated February 23, 1875; application filed
December 9, 1874.

To all whom it may concern:

Be it known that I, FREEMAN W. HOOD, of Norwich, in the county of New London and State of Connecticut, have invented a new and useful Improvement in Fire-Arms termed "Revolvers;" and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side elevation, and Fig. 2 a longitudinal section, of a revolver provided with my invention. Fig. 3 is a side view of the magazine pivot-pin.

In carrying out my improvement, I combine with the stock and rotary cylinder or magazine a mechanism to bear against the front end of the magazine, with friction sufficient to maintain in alignment with the barrel any of the bores or chambers of the magazine, preparatory to and during discharge of the load of such chamber, such mechanism as shown being the magazine pivot-pin, retainer, or latch, so constructed and applied as to be borne, by the actuating-spring of such latch, against the said front end of the magazine, the retainer or latch being thus made to perform two functions, viz., that of holding the pin in place in the stock, and that of a friction-brake to the magazine.

By the use of such a friction mechanism or brake, I am enabled to dispense with the usual spring retaining-pawl and series of recesses arranged in the rear end of the magazine, and thus materially cheapen the construction of the fire-arm, and obtain advantage in other respects.

In the drawings, A denotes the barrel; B, the stock; and C, the magazine, made and arranged as is usual in revolvers, except that

the rear end of the magazine is without any recesses or teeth to operate with a retaining-pawl, though having the ordinary ratchet *a*, for the impelling-pawl *b* to act with in effecting the intermittent rotation of the magazine. The pivot-pin of the magazine is shown at D, it being provided with a groove, *c*, going laterally around it, to receive the holding projection of the lever-latch E, such latch being generally of the common form, and provided, as usual, with an actuating-spring, *d*. The latch, arranged in the stock and in front of the magazine, turns freely on a pivot, *e*, and has an auxiliary head or projection, *f*, to bear directly against the magazine.

The latch may be otherwise constructed so as to bear against the magazine, the object of my invention being to have the said latch perform the two functions, as hereinbefore stated. To this end, the groove in the pivot-pin should be deep enough to properly receive the latch without it bearing upon the bottom of the groove, so as to prevent it (the latch) from suitably pressing against the magazine.

I do not claim, in combination with the stock and magazine, and its pivot-pin of a revolver, a latch or mechanism operating simply to hold the pivot-pin in place in the stock.

I claim—

In combination with the rotary magazine and its pivot-pin of a revolver, a mechanism or latch, E, substantially as described, to hold the pin in place and operate as a friction-brake to the magazine, all as specified.

FREEMAN W. HOOD.

Witnesses:

R. H. EDDY,
J. R. SNOW.