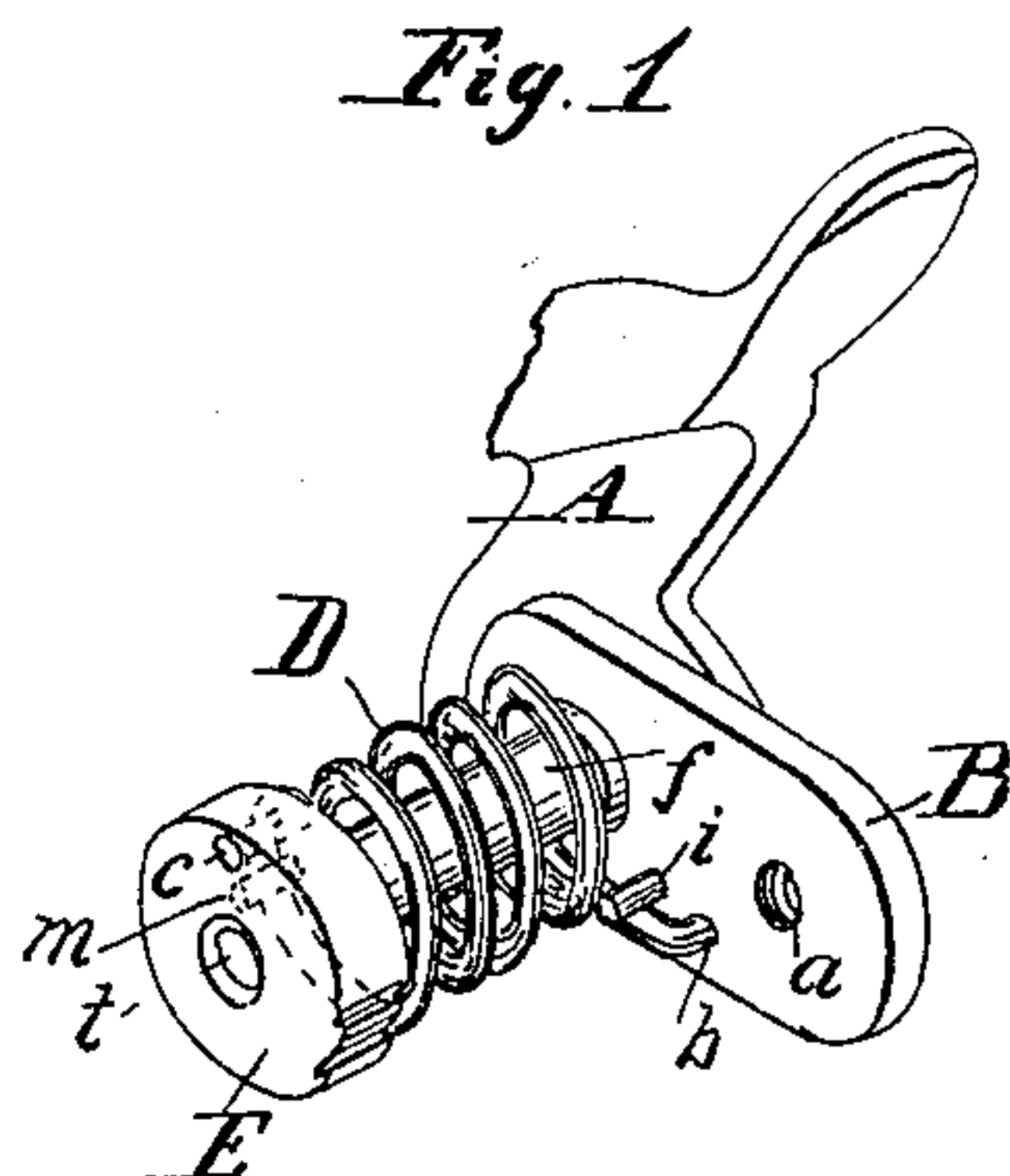
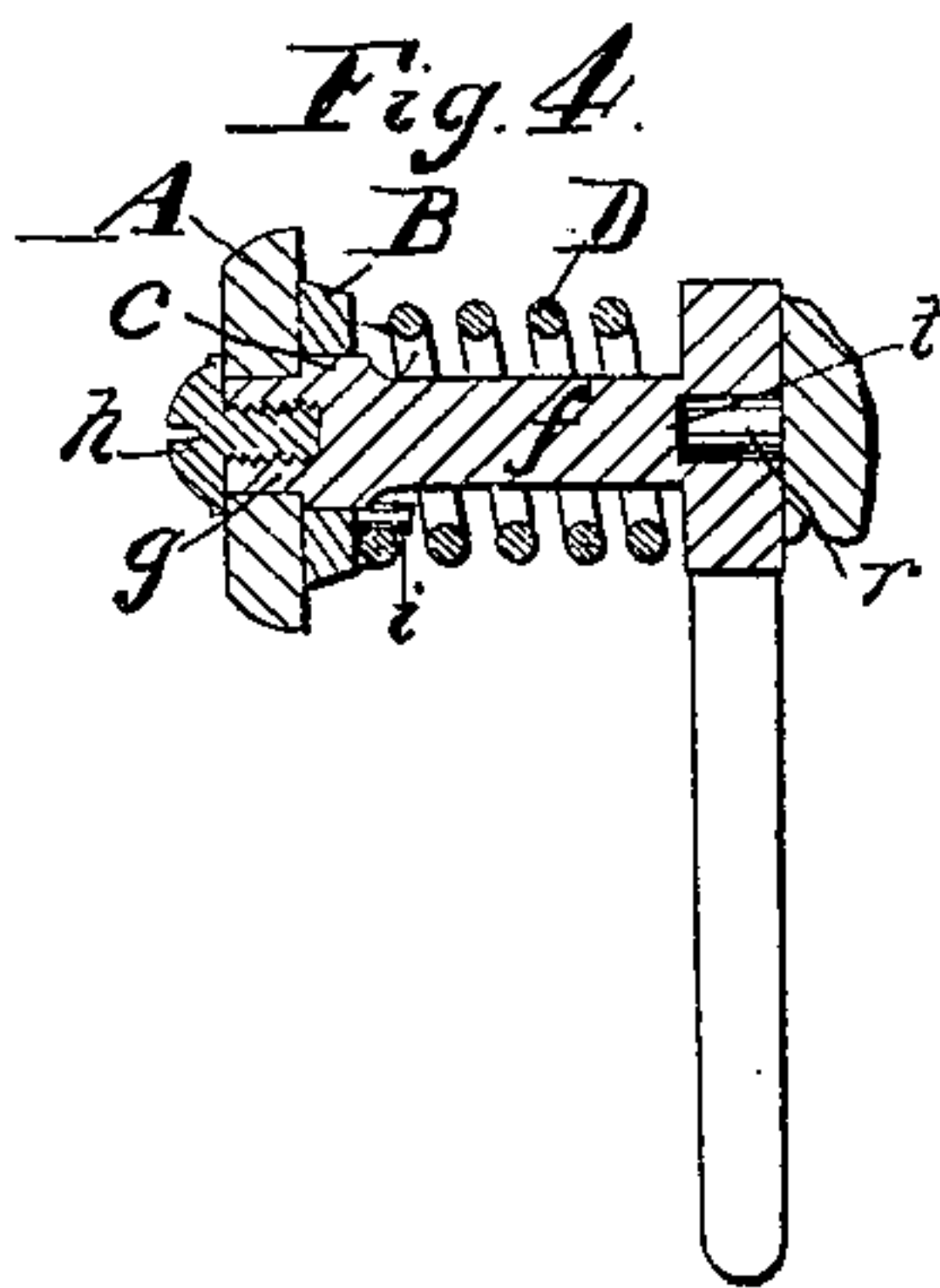
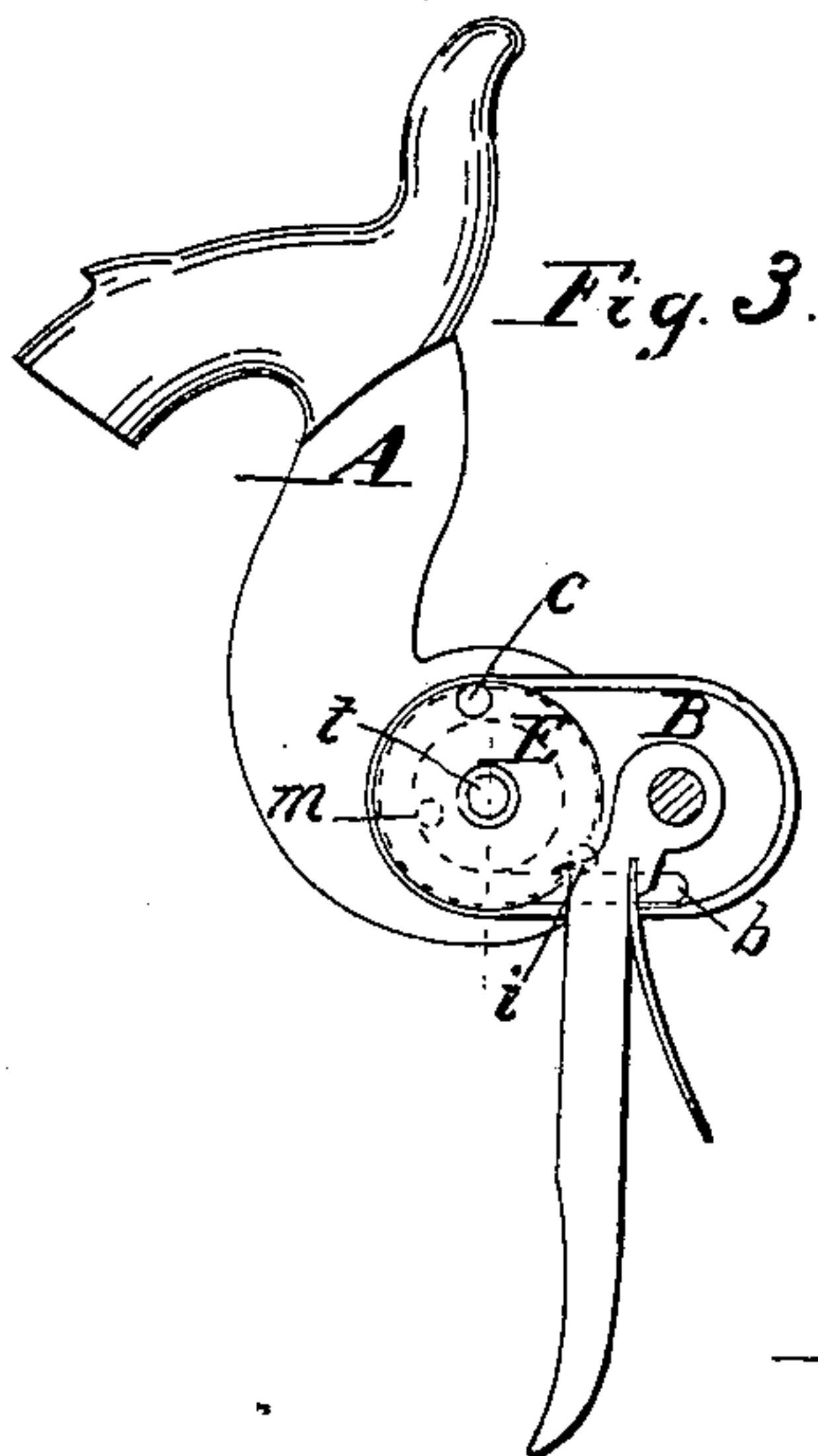
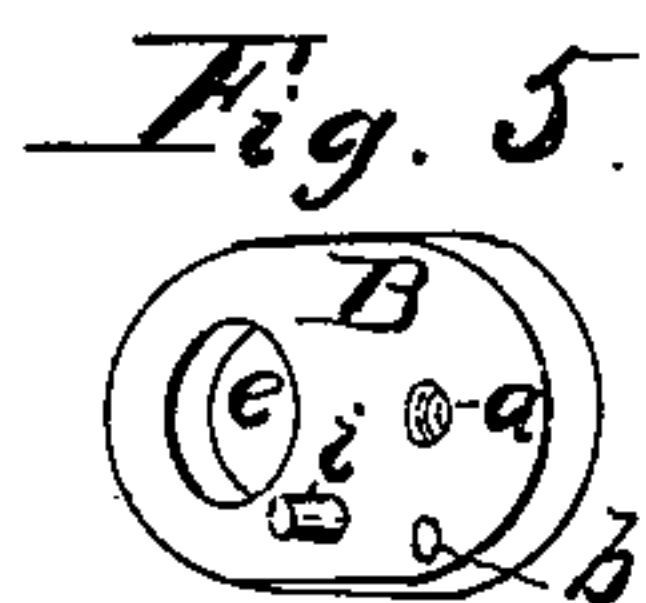
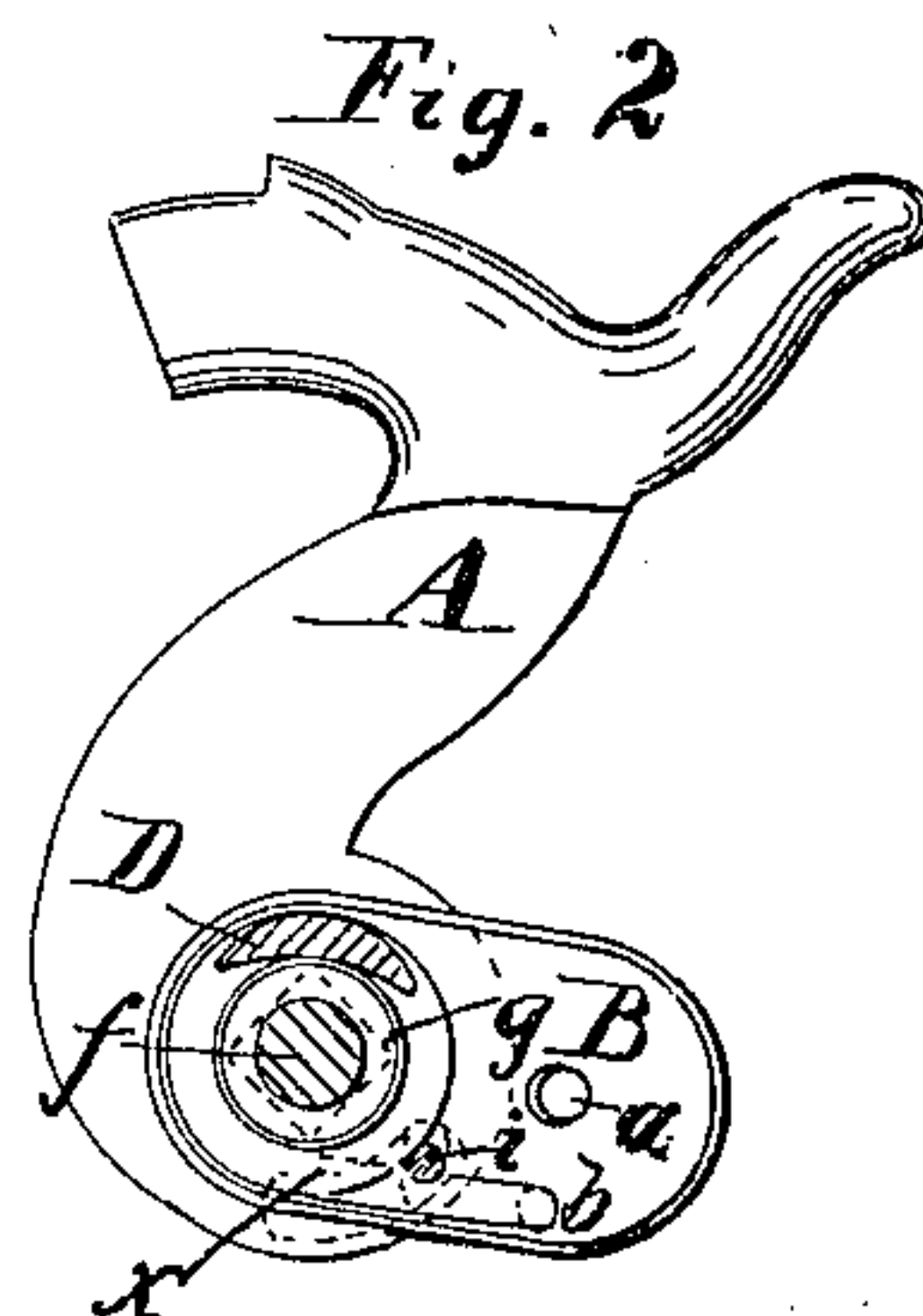
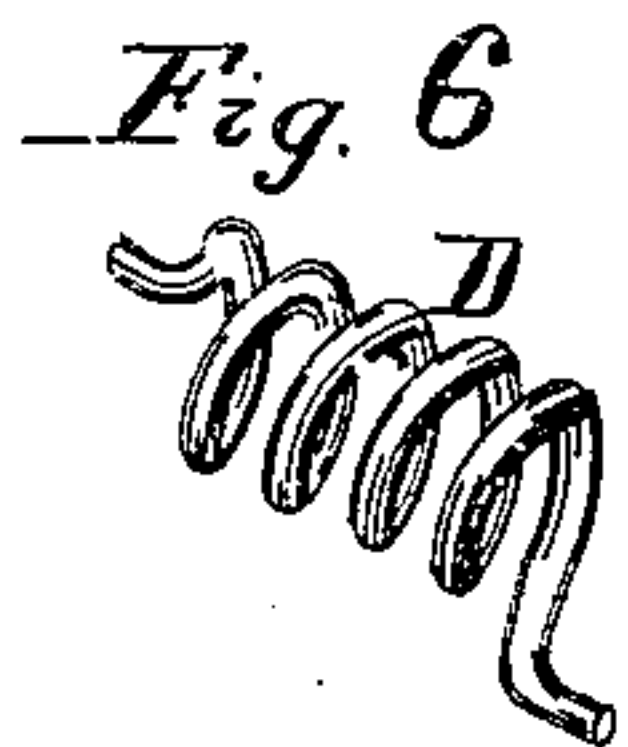


E. P. MONROE.
FIREARM.

No. 14,513.

Patented Mar. 25, 1856.



UNITED STATES PATENT OFFICE.

EDWIN P. MONROE, OF CHARLESTOWN, MASSACHUSETTS.

IMPROVEMENT IN GUN-LOCKS.

Specification forming part of Letters Patent No. 14,513, dated March 25, 1856.

To all whom it may concern:

Be it known that I, EDWIN P. MONROE, of Charlestown, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Gun-Locks, of which the following is a full, clear, and exact description, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a perspective view; Fig. 2, a transverse section through the spring and arbor; Figs. 3, 4, 5, and 6, details, which will be referred to hereinafter.

My improvements are applicable to that species of gun-lock in which the hammer is actuated by a coiled-wire spring; and my invention consists in supporting the spring at each end upon pins, the one projecting from the face-plate, and the other from the tumbler, whereby the spring is prevented from rubbing upon its arbor, and is left free to act at all times to throw the hammer as required. Efforts have been made to employ a coiled-wire spring for this purpose, but heretofore without success, as no means were employed to prevent the spring from coming in contact with its arbor, and its efficiency was thereby entirely destroyed.

To enable others skilled in the art to understand my invention, I will proceed to describe the manner in which I have carried it out.

In the accompanying drawings, A is the hammer; B, the face-plate, which is secured to the stock by a screw from the opposite side entering at the hole *a*.

D is a coiled-wire spring, one end of which is secured to the face-plate at *b*, the other end entering the tumbler E at *c*. The tumbler is furnished with the usual whole and half cock notches, and is secured to the arbor *f*, which

passes through a hole, *e*, in the face-plate, and has a square head, *g*, upon its outer end, upon which the hammer is fitted.

h is the hammer-screw by which the hammer is secured to the arbor.

i and *m* are pins projecting the one from the face-plate B, the other from the tumbler. The coiled spring is allowed to bear upon each of these pins, and is thus prevented from being brought in contact with the shaft when it is operated. The pin *i* is allowed to project through upon the outside of the face-plate and enter a slot or depression, *x*, upon the interior face of the hammer, by which the latter is prevented from being brought sufficiently far back in cocking to strain the spring.

r is a pin secured to the stock, which enters the hole *t* in the center of the tumbler, by which means the latter and the parts connected therewith are steadied and held in place. As the hammer is drawn back in the operation of cocking, the tumbler is revolved with it, and also one end of the coiled spring D, which is attached thereto, the other end of the spring being held stationary by the face-plate. The spring is wound up sufficiently by the motion of the tumbler to throw the hammer with the required force when the tumbler is released by the trigger. An exceedingly simple and powerful hammer spring is thus obtained, the cost of which is far less than that of any other of equal efficiency with which I am acquainted.

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

The pins *i* and *m*, in combination with the coiled spring D, operating in the manner and substantially as herein set forth.

EDWIN P. MONROE.

Witnesses:

P. E. TESCHEMACHER,
SAM. COOPER.