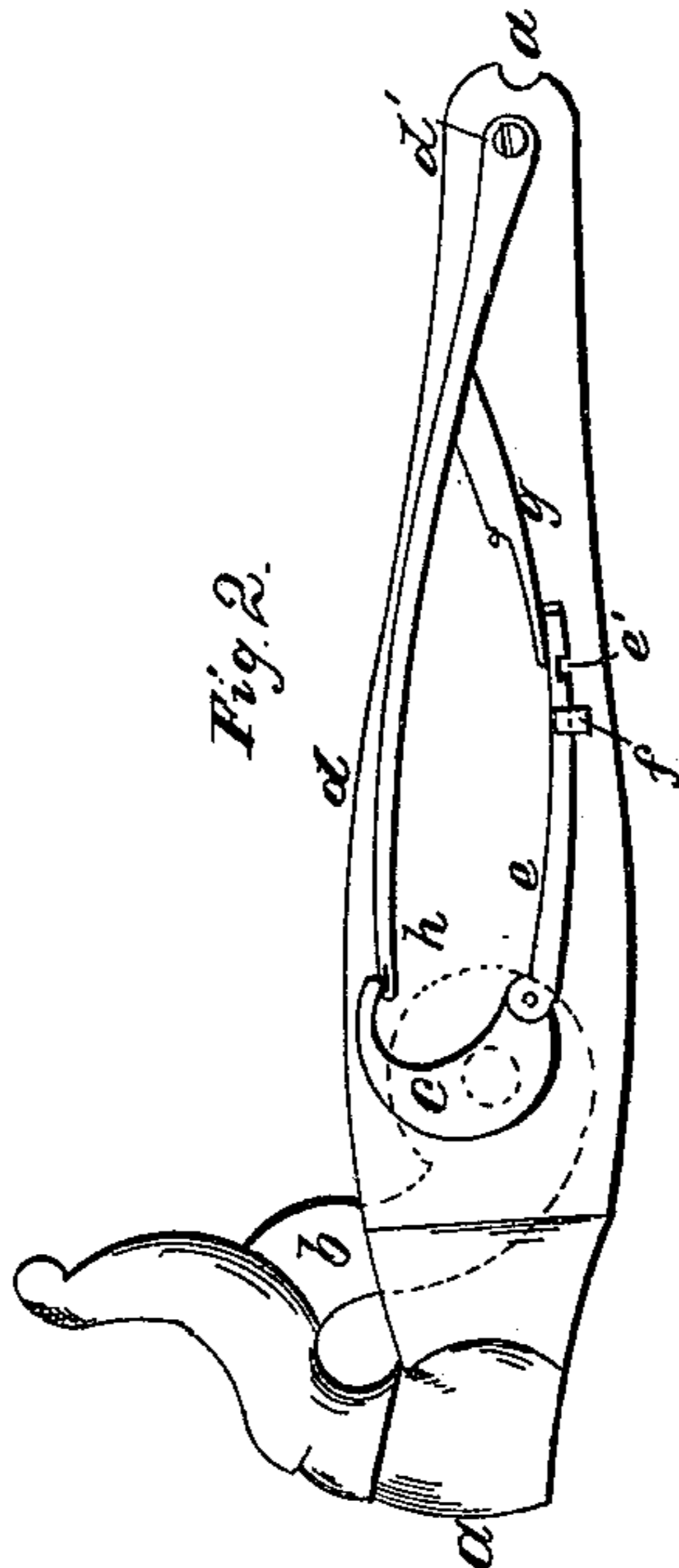
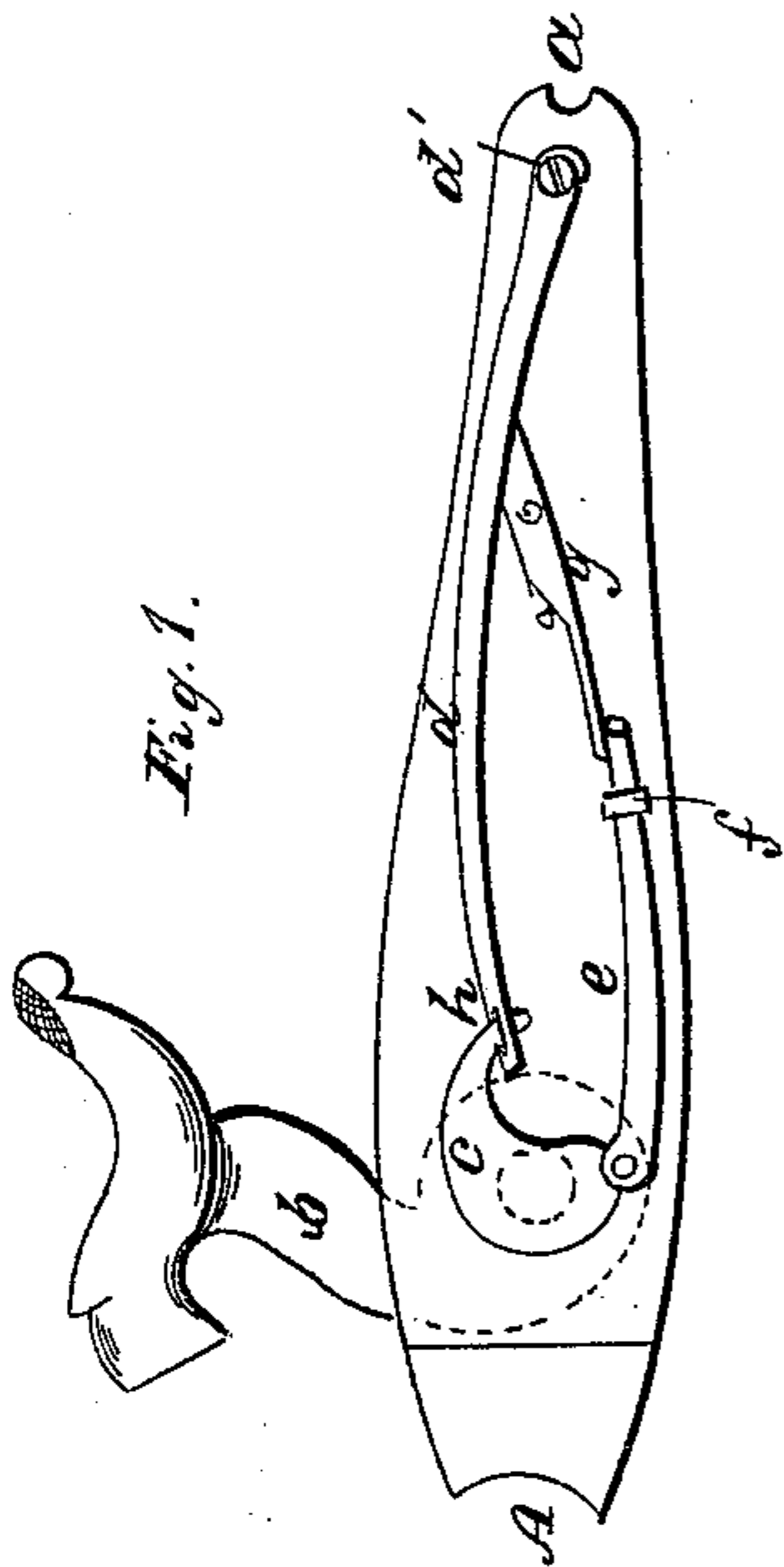


J. S. BUTTERFIELD.

Gun Lock.

No. 12,124.

Patented Jan. 2, 1855.



Witnesses
Wm B Cinnvecker
Jacob Ranlo

Inventor.
J. S. Butterfield

UNITED STATES PATENT OFFICE.

J. S. BUTTERFIELD, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN LOCKS FOR FIRE-ARMS.

Specification forming part of Letters Patent No. 12,124, dated January 2, 1855.

To all whom it may concern:

Be it known that I, J. S. BUTTERFIELD, of the city and county of Philadelphia, in the State of Pennsylvania, have invented a new and useful Improvement in Locks for Guns and other Fire-Arms; and I do hereby declare that the following is a full and exact description of my invention, reference being had to the annexed drawings, forming a part of this specification, in which—

Figure 1 is a side view of my improved lock, showing the hammer cocked. Fig. 2 is a similar view, showing the hammer discharged.

Similar letters refer to like parts.

a is the plate; *b*, hammer; *c*, cam; *d*, mainspring; *d'*, screw-fastening of same; *e*, sear; *e'*, notch in the same; *f*, stop and guide; *g*, sear-spring; *h*, slot in mainspring.

When the hammer is turned back, as seen in Fig. 1, the cam *c* hooks into the slot in the end of the mainspring *d*, while the connecting-sear *e*, being attached to the lower end of the cam *c*, it is drawn forward until the notch *e'* fastens on the catch and guide *f*. The after end of the sear *e* is pressed down by the spring *g*, so as to make the notch *e'* fall on the stop and guide *f* with perfect certainty.

When the hammer is cocked, as seen in Fig. 1, and it is desired to discharge the same, the after end of the sear *e* is raised, so that the notch *e'* shall be clear of the stop and guide *f*, whereupon the mainspring *d* operates on the cam *c*, the hammer falls, and the sear comes back, the various parts assuming the position shown in Fig. 2.

The hammer may be held half-cocked, or in any other position desired, by having a corresponding notch made in the sear *e*.

The common trigger is used to raise the end of the sear *e* in discharging the hammer.

The spring *g* serves as a brace for the mainspring, as will be observed in the drawings.

Having thus described my invention, I claim—

The combination of the sear *e* with the cam *c*, (the latter operating in the slot *h* of the mainspring *d*,) the respective parts being arranged in the manner herein set forth.

J. S. BUTTERFIELD.

Witnesses:

JACOB RAMBO,
W. H. EINWECHTER.