

G. SMITH.

Burglar Alarm and Animal Trap.

No. 32,539.

Patented June 11, 1861.

Fig. 1

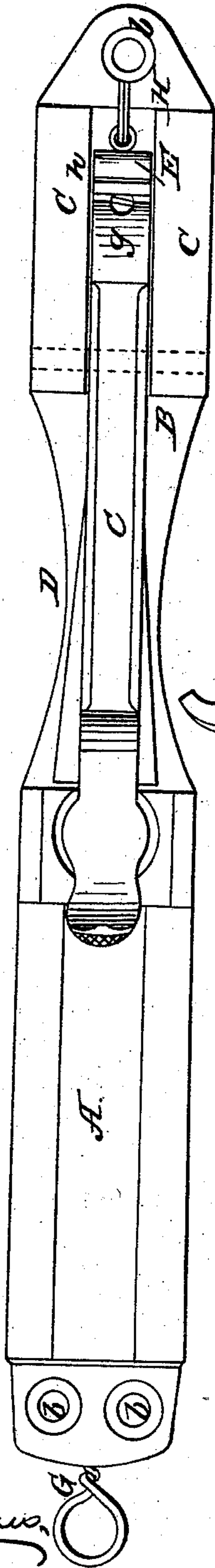
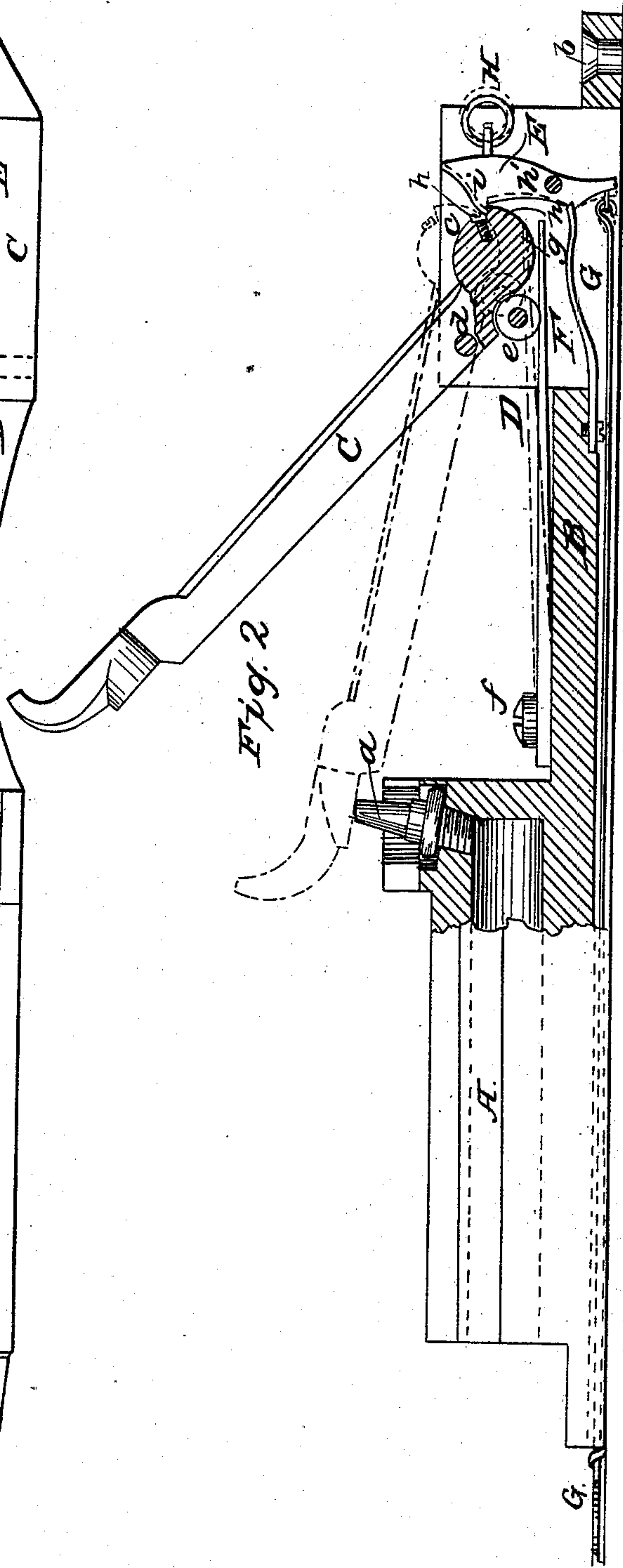


Fig. 2



Witnesses

G. R. Bowditch

UNITED STATES PATENT OFFICE.

GEORGE SMITH, OF NEW YORK, N. Y.

COMBINED BURGLAR-ALARM AND ANIMAL-TRAP.

Specification of Letters Patent No. 32,539, dated June 11, 1861.

To all whom it may concern:

Be it known that I, G. SMITH, of the city, county, and State of New York, have invented a new and Improved Implement or Device, the Same being a Combined Burglar-Alarm and Animal-Trap; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, is an external view of my invention. Fig. 2, a longitudinal sectional view of the same.

Similar letters of reference indicate corresponding parts in the two figures.

The object of this invention is to obtain an implement which may be connected to one or more doors or windows of a building so as to sound an alarm if any one of them be opened, the implement at the same time being capable of being advantageously used as an animal trap.

The invention consists in a novel arrangement of the "sear" of the lock of a fire-arm barrel as hereinafter described, whereby the desired end is attained.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A, represents a fire arm barrel which may be of brass, or iron, and provided with a cone or nipple *a*, as usual. This barrel may be attached to, or cast with a plate B, which serves as a stock and has screw holes *b*, at each end to admit of the implement being secured in proper position. The plate B, extends a considerable distance out from the breech of the barrel A, and has two lugs or projections *c, c*, on it, between which a hammer C, is fitted on a pin or axis *d*. The back or outer end of the hammer C, has a friction roller *e*, attached, against which a spring D, bears, said spring being of the flat form and secured to the plate B, by a screw *f*, as shown clearly in Fig. 2. The back or outer end *g*, of the hammer C, is notched as shown at *h*, (Fig. 2,) and the end *g*, is of circular, or an approximate form.

Between the two lugs or projections *c, c*, there is placed a "sear" E. This "sear" works on a pivot *h'*, and is provided with a hook *i*, which, when the hammer C, is drawn back, engages with the notch *h*, and retains

the hammer in an elevated or "cocked" state, as shown in Fig. 2.

F, is a spring which bears against the lower part of the "sear" E, and has a tendency to keep its hook *i*, in the notch *h*.

To the lower end of the "sear" E, below its pivot *h'*, there is attached a wire G. This wire extends along underneath the plate B, and projects beyond the muzzle of the barrel A. To the upper part of the "sear" E, there is attached a ring H.

From the above description it will be seen that when the hammer C, is drawn back, or "cocked" the "sear" E, may be disengaged from it by pulling either the wire G, or ring H, and consequently in a building where the hall runs directly through with a front and back door, both doors may be connected to the "sear" E, one by means of a cord or wire, attached to wire G, and the other by means of a cord or wire attached to ring H, and hence if either door be opened an alarm will be sounded. Or, if there be only one door to the hall one cord or wire may be attached to a window, or, one or both wires may be extended along the hall or through any apartment, so that in case of burglars entering the house the cords or wire may be unintentionally actuated or moved by their feet and an alarm sounded. By this arrangement of the "sear" E, it will be seen that the implement can be applied in such a way as to insure an alarm being sounded, as several cords may be made to extend from each end of the device and spread out or diverge so as to cover a considerable area, and in many cases they may be attached to several doors or windows.

If desired a plurality of barrels A, may be used all communicating with a single cone or nipple *a*.

The device may be used as an animal trap by simply baiting the end of the wire G, directly in front of the muzzle of the barrel A, and securing the plate B, in proper position, the barrel of course being loaded with a ball. In the part *g*, of the hammer, at the notch *h*, a screw *a'*, is fitted, by adjusting which the hook *i*, may be made to lap to a greater or less extent over the shoulder of notch *h*, and the "sear" thereby set as sensitive as required.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is,

The "sear" E, arranged or pivoted as shown to admit of cords or chains being attached to both ends of it; in combination with the hammer C, and one or more fire-

arm barrels A, substantially as and for the purposes described.

GEO. SMITH.

Witnesses:

M. M. LIVINGSTON,
C. W. COWTAN.