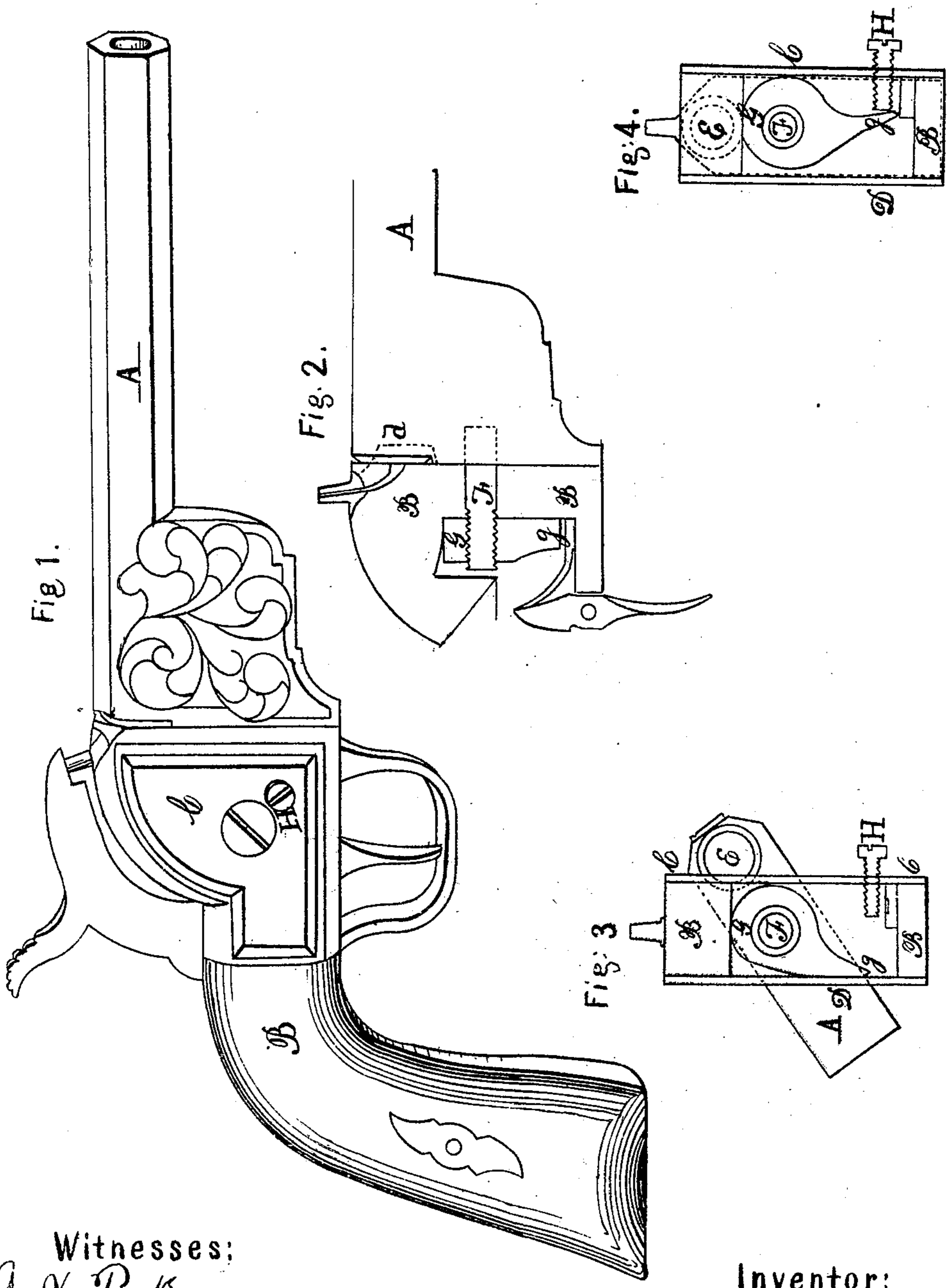


R. F. COOK.
Breech-loading Fire-arm.

No. 29,340.

Patented July 24, 1860.



Witnesses:
A. X. Parker
Wilson Hopkins

Inventor:
Roswell F. Cook.

UNITED STATES PATENT OFFICE.

ROSSWELL F. COOK, OF POTSDAM, ASSIGNOR TO HIMSELF AND FRANK G. JOHNSON, BROOKLYN, AND M. J. WHITMORE, OF POTSDAM, NEW YORK.

IMPROVEMENT IN BREECH-LOADING FIRE-ARMS.

Specification forming part of Letters Patent No. 29,340, dated July 24, 1860.

To all whom it may concern:

Be it known that I, R. F. COOK, of Potsdam, in the county of St. Lawrence and State of New York, have invented a new and useful Mode of Constructing Breech-Loading Fire-Arms; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is a perspective view; Fig. 2, a longitudinal section; Figs. 3 and 4, transverse sections.

It is well understood that breech-loading fire-arms, after being used for awhile, are quite liable to produce windage or leakage at the attachment of the barrel to the stock or breech.

To overcome this serious objection to this otherwise desirable class of fire-arms constitutes the object of my invention, the nature of which consists in providing such an adjustable attachment of the barrel A of the pistol to the stock or breech B as to render it possible and easy to keep the barrel always tightly fitted and firmly held to the stock or breech, however much the contact-surfaces may wear away by use.

The operation of my invention is described as follows:

A represents the barrel; B, the stock or breech; C and D, the face-plates covering the lock; E, the caliber at breech; F, the post or stem passing from the barrel through the iron stock or breech-frame B B, and on which the barrel revolves; G *g*, the nut on the stem F, *g* (prime) being a prolongation of the nut on the lower side; H, a small screw passing through and working in the face-plate C.

In Fig. 2 the stock and barrel are in position with each other for firing or discharging the load. In order to load the gun, the barrel is revolved on the stem F until the caliber E is brought in view, as seen in Fig. 3. This revolution carries the prolongation of the nut G from the point of the screw H to the point D of the plate D, which arrests the motion of

the nut, allowing the barrel, as it is further revolved, to become somewhat liberated from the stock or breech by partially turning the stem F out of the nut G. Now, as the barrel is revolved back to the firing-position, the point *g* of the nut G coming in contact with the screw H, while the barrel is still being revolved onto its proper position, has the effect to screw the stem F into the nut G, and thus produce a very tight and binding fit or attachment of the two contact-surfaces between the barrel and stock or breech.

By referring to Fig. 4 it will be seen that the nut G will be further turned onto the post F by turning up the screw H, while if this screw H be turned back or out to any extent it has the effect of allowing the nut G to be turned partially off of the post F. Hence by means of the small screw H any degree of closeness or tightness can be produced between the contact-surfaces. As these contact-surfaces can be nicely fitted and held together by other modes of attachment while the gun is new or not much used, the chief or principal object of the screw H is to act on the prolonged nut G for the purpose of tightening or drawing up into close contact the two surfaces as from time to time it may become necessary by the wearing away of the said surfaces by use.

Of course I do not confine the application of my invention to the pistol or any other particular style of fire-arms, but intend to have it apply to all kinds of breech-loading guns.

What I claim, therefore, as my invention, and desire to secure by Letters Patent of the United States, is—

The combination of the prolonged nut G with the screw H, or their equivalents, acting upon each other, substantially in the manner and for the purposes herein set forth.

ROSSWELL F. COOK.

Witnesses:

A. X. PARKER,
WILSON HOPKINS.