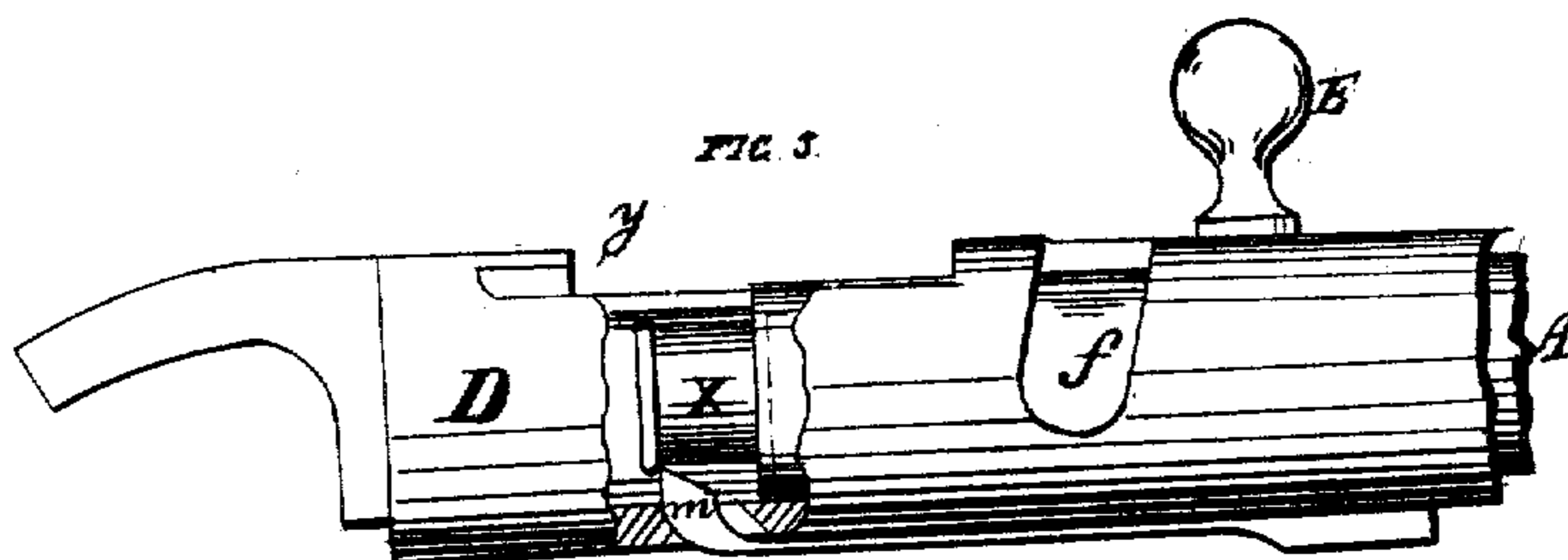
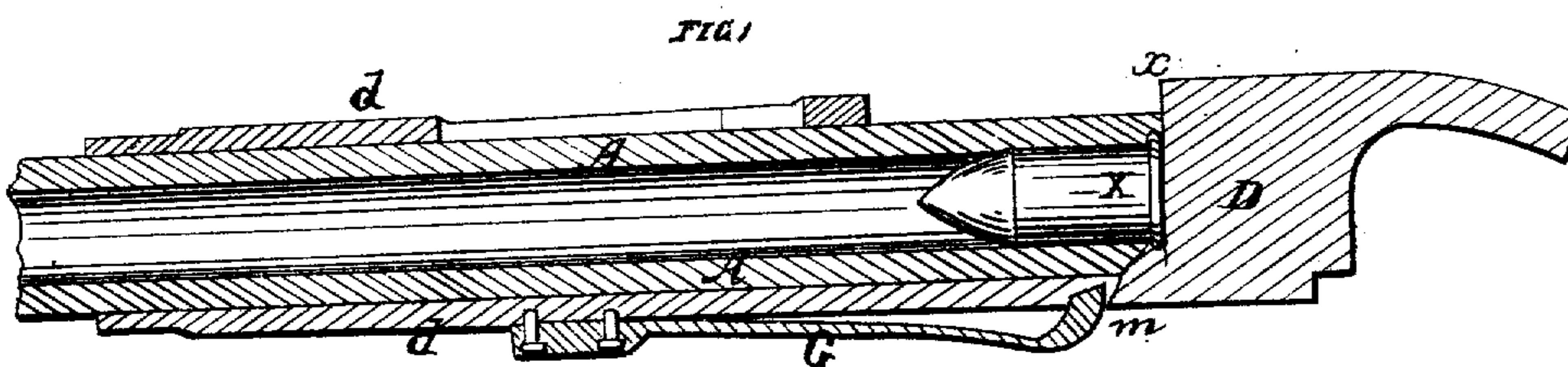
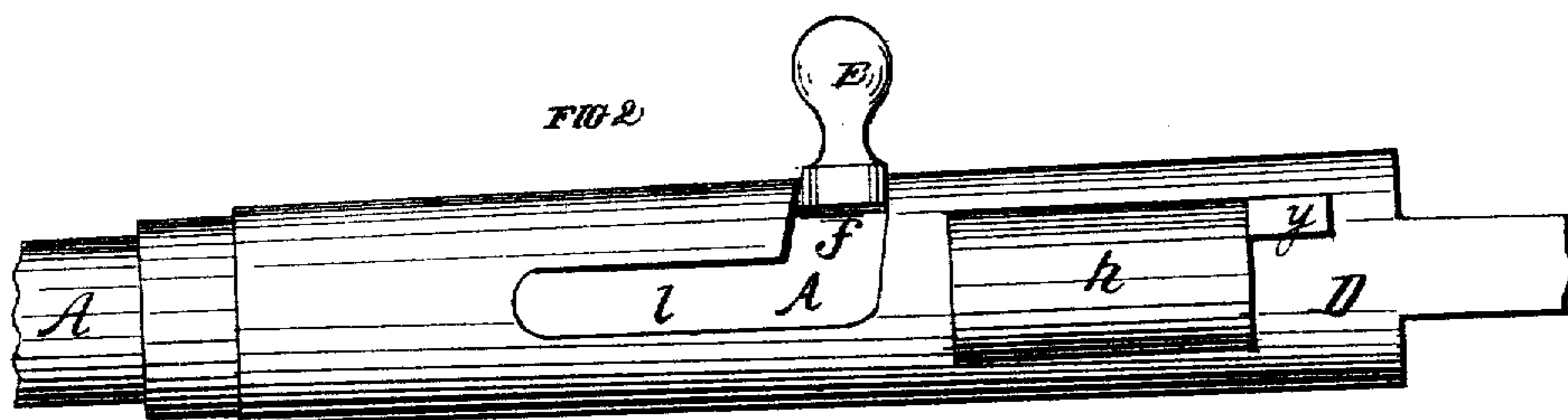


B. F. JOSLYN.  
 Breech-Loading Fire-Arm.

No. 51,837.

Patented Jan. 2, 1866.



Witnesses: *Wm. Albert Stear,*  
*Wm. J. Delaney*

*B. F. Joslyn,*  
 by his Attorney,  
*Henry Howland*

# UNITED STATES PATENT OFFICE.

BENJN. F. JOSLYN, OF STONINGTON, CONNECTICUT.

## IMPROVEMENT IN BREECH-LOADING FIRE-ARMS.

Specification forming part of Letters Patent No. 51,837, dated January 2, 1866.

*To all whom it may concern:*

Be it known that I, B. F. JOSLYN, of Stonington, Connecticut, have invented certain Improvements in Breech-Loading Fire-Arms; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention consists, first, in the combination of a breech-piece having a tubular projection with a cylindrical barrel capable of sliding and being turned in the said projection, all substantially as described hereinafter; secondly, in a device for withdrawing the spent cartridge-cases from the barrel.

In order to enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

On reference to the accompanying drawings, which form a part of this specification, Figure 1 is a longitudinal section of part of a breech-loading fire-arm made in accordance with my improvements; Fig. 2, a plan view, and Fig. 3 a side view, partly in section.

Similar letters refer to similar parts throughout the several views.

The barrel A, instead of being made of the usual tapering form, is cylindrical, so as to fit snugly and slide freely in the tube *d*, which projects from and forms a part of the breech-piece D, both tube and breech-piece being embedded or partly embedded in and secured to the stock of the fire-arm. A knob, E, is secured to the barrel A, and the base of this knob is formed to fit snugly and slide freely in a longitudinal opening, *e*, in the tubular projection *d*, as well as in the inclined opening *f*, which communicates with the said longitudinal opening *e*. An oblong opening, *h*, is made in the top of the tube *d* near the breech for the admission of the metallic cartridge, and for the withdrawal of the spent cartridge-case.

To the under side of the tube *d* is secured a spring, G, the outer end of which is bent upward, the bent portion passing through an opening in the under side of the tube *d* and

terminating in a sharp edge, *m*, of a form suitable for catching against the flange of the metallic cartridge X, there being on the under side and at the rear of the barrel a recess for admitting the end of the spring.

As seen in Figs. 1 and 2, the barrel is securely locked to the tubular projection *d*, the rear of the barrel, with its cartridge X, having been forced tight against the face *x* of the breech-piece, in which there is an inclined recess, *y*, for permitting the end of the hammer to strike the flange of the metallic cartridge. After the discharge of the load the barrel is turned partly round by means of the knob E, the base of the latter sliding in the inclined opening *y* to the elongated opening *e*, when the barrel is at liberty to be moved forward until the knob reaches the end of the said opening. On moving the barrel forward the flange of the cartridge is brought into contact with the end *m* of the spring G, so that before the barrel has reached the limit of its forward movement the spent-cartridge case has been left behind. After the insertion of a new cartridge into the bore of the barrel the latter is moved back and then turned by means of the knob E, the base of which, sliding down the inclined opening *f*, forces the rear of the barrel tight against the face *x* of the breech-piece.

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

1. The combination of the breech-piece D and its tubular projection *d* with a cylindrical barrel capable of sliding and being turned in the said projection, all substantially as and for the purpose herein set forth.

2. The combination of the said cylindrical barrel, tubular projection *d* of the breech-piece, and spring-catch G, the whole being arranged and operating substantially as set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

B. F. JOSLYN.

Witnesses:

CHARLES E. FOSTER,  
JOHN WHITE.