

(No Model.)

J. B. DAVIS.

BREECH LOADING FIRE ARM.

No. 315,253.

Patented Apr. 7, 1885.

Fig. 1.

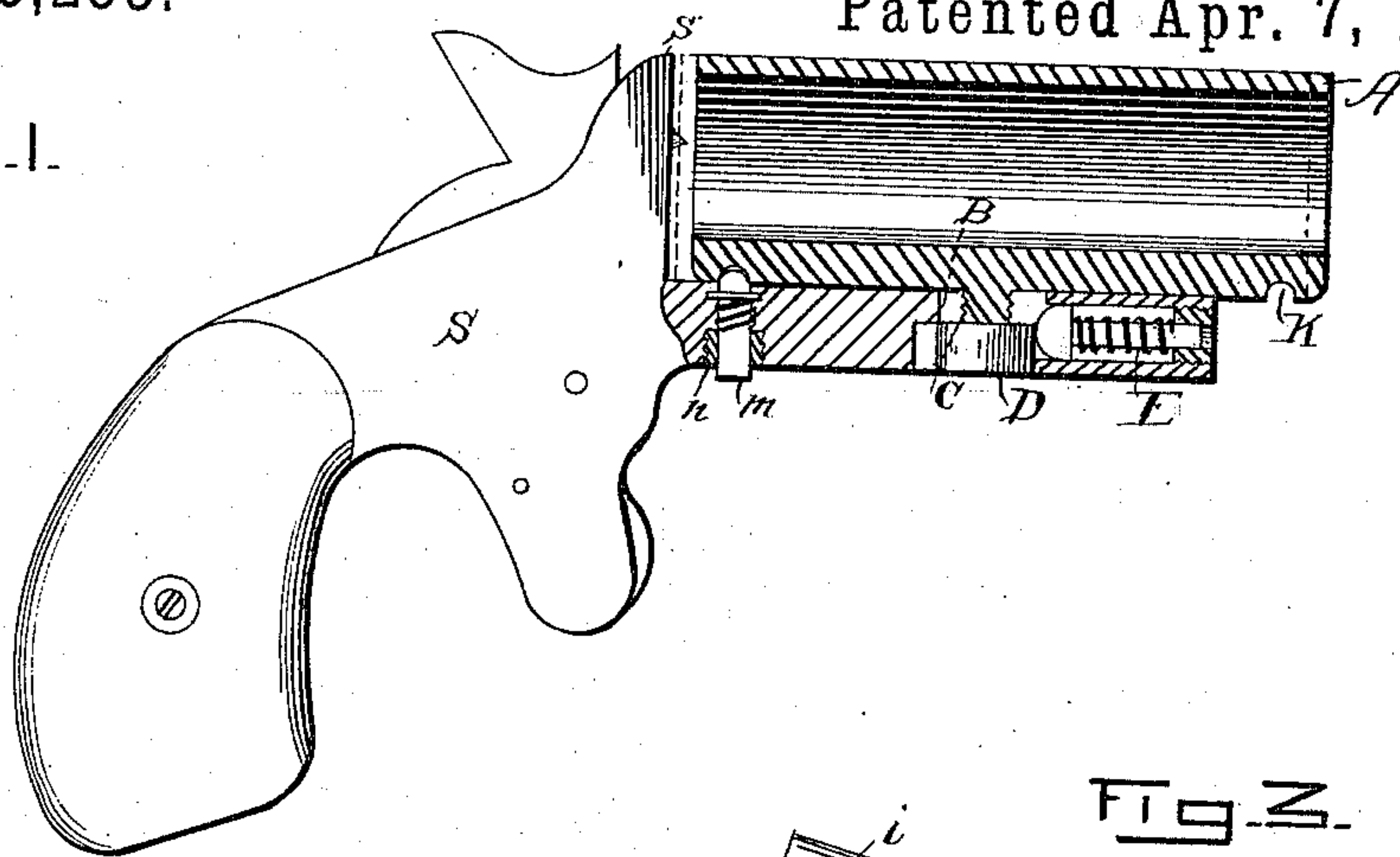


Fig. 2.

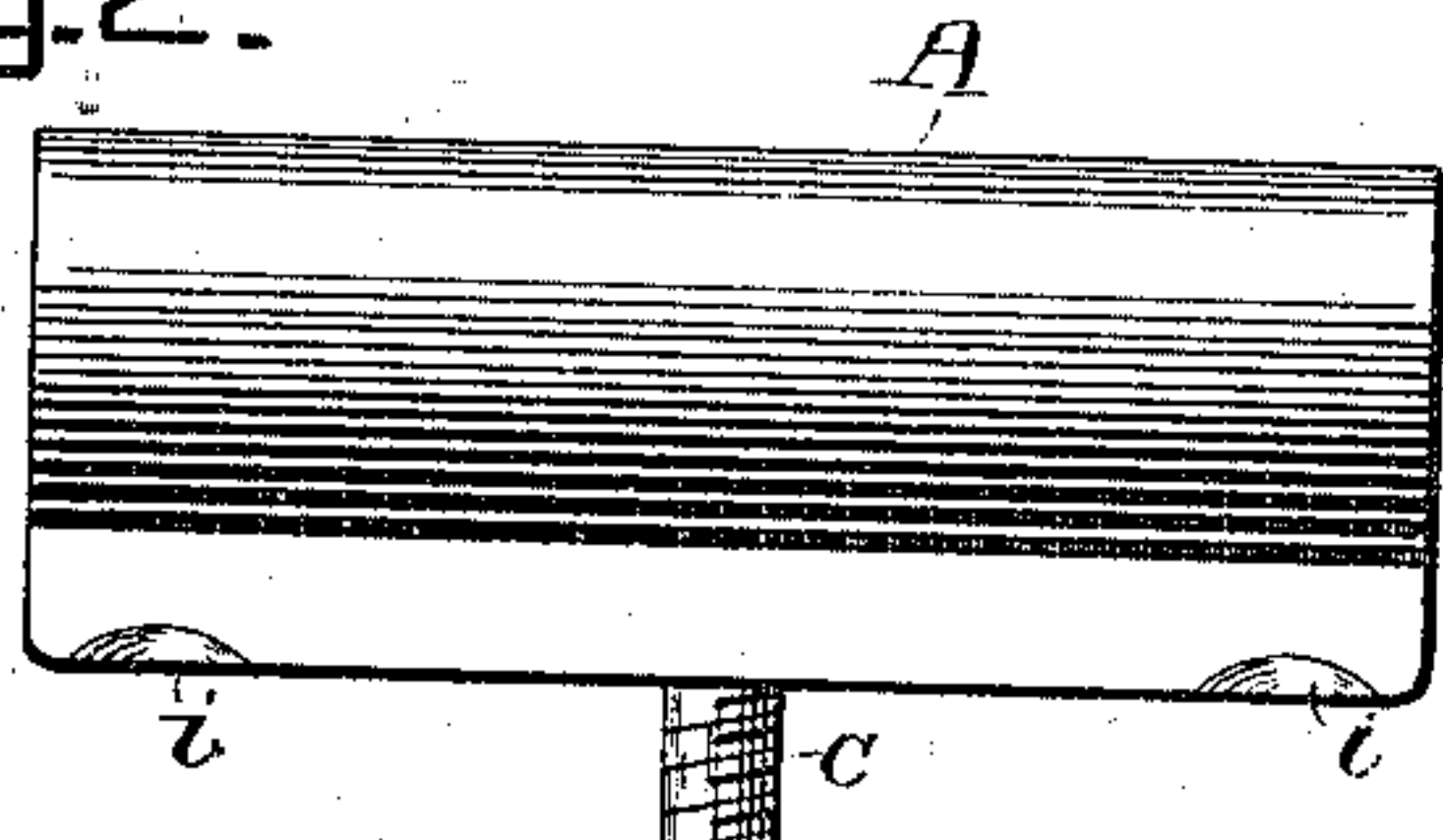


Fig. 3.

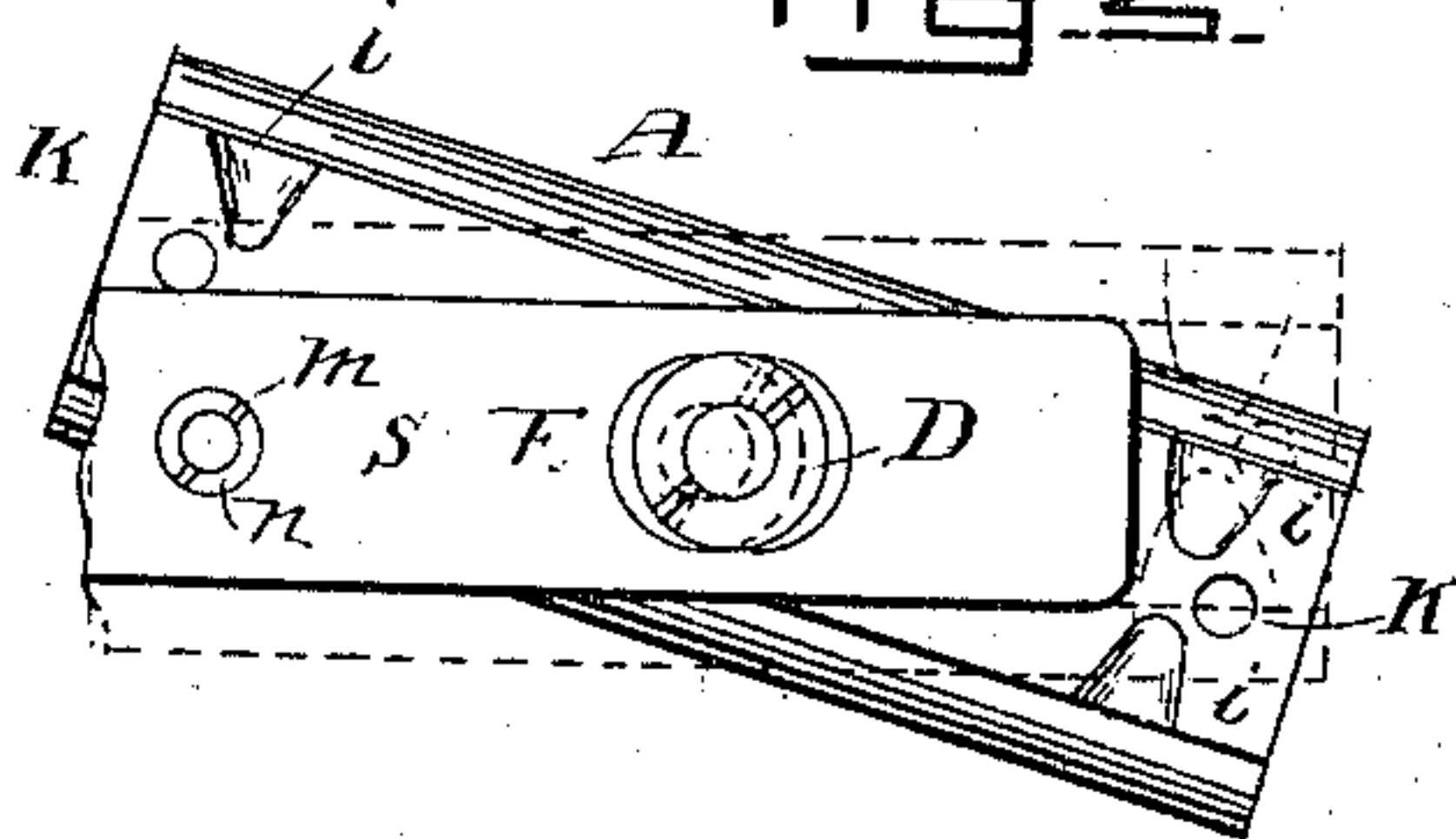


Fig. 4.

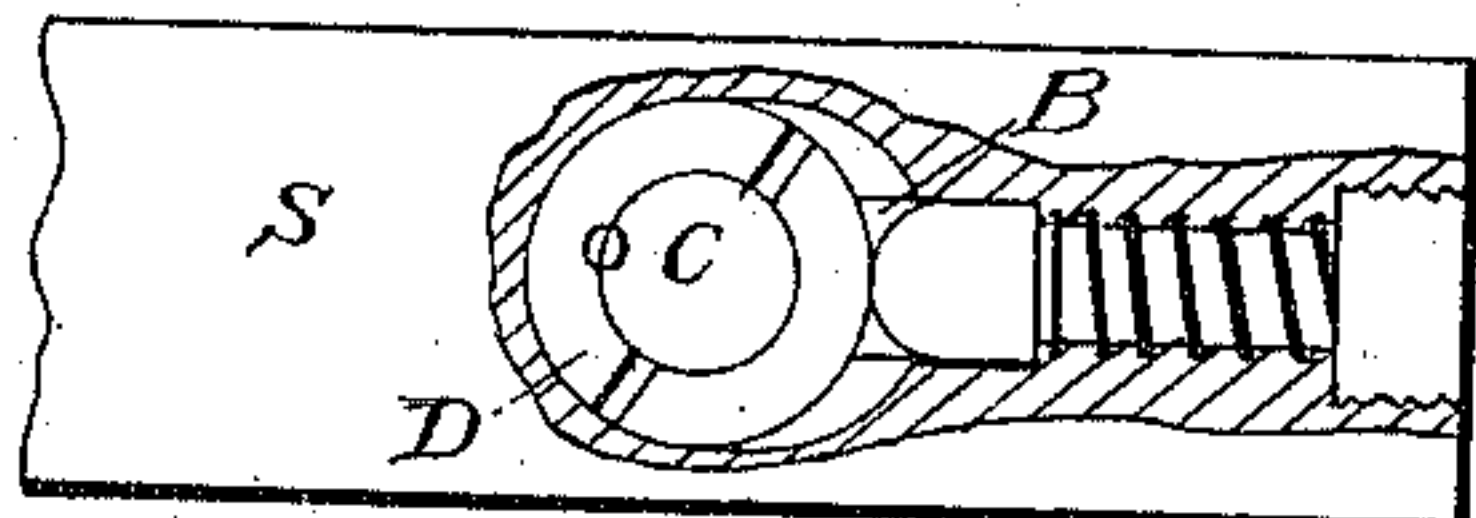


Fig. 5.

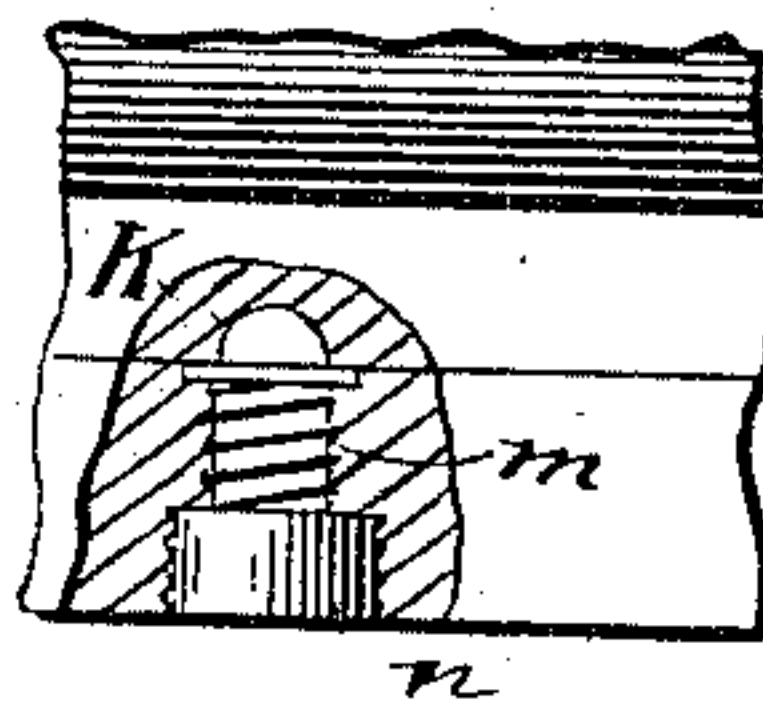
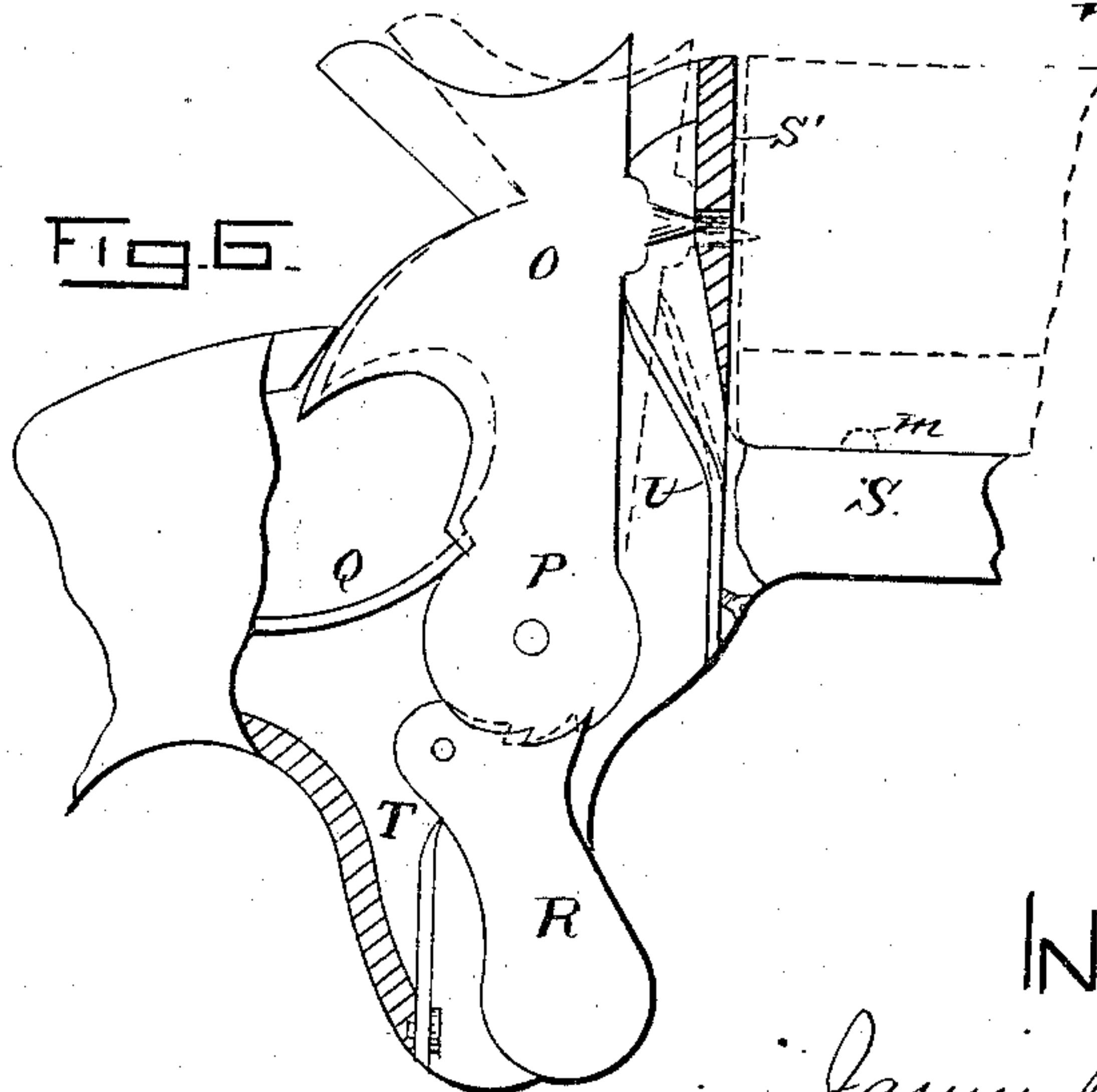


Fig. 6.



WITNESSES:

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UNITED STATES PATENT OFFICE.

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BREECH-LOADING FIRE-ARM.

SPECIFICATION forming part of Letters Patent No. 315,253, dated April 7, 1885.

Application filed December 22, 1884. (No model.)

To all whom it may concern:

Be it known that I, JAMES B. DAVIS, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Breech-Loading Fire-Arms, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to breech-loading fire-arms; and it consists in certain improvements in the construction and combination of parts, as hereinafter set forth and claimed.

The object of the invention is to overcome certain objections found to exist in fire-arms used for throwing signal-lights into the air—such, for instance, as that shown in United States Patent No. 193,906, of August 7, 1877.

Prior to my invention the barrel of such a fire-arm, when made to revolve on a central vertical pivot which was thrown back by a spring, would catch the projecting nose of the hammer, and it was necessary to half-cock the arm before the barrel could be turned with facility. The barrel was not certainly self-centering in firing position, and accidents and miss-fires were liable to occur. These objections I overcome by the constructions set forth in the annexed drawings, in which—

Figure 1 is a side elevation, partly sectioned, of a fire-arm according to this invention. Fig. 2 is a side elevation of the barrel, the pivot-head being omitted. Fig. 3 is a bottom plan of the barrel and a portion of the stock. Fig. 4 is a broken horizontal section of the front portion of the stock. Fig. 5 is a detail showing spring-pin and attaching devices. Fig. 6 is a broken section showing side elevation of the lock mechanism.

A indicates the barrel, which has a pivot, C, on its lower central surface. This pivot enters a narrow longitudinal slot, B, in the stock S, and has a head, D, within the enlarged oval slot F in the stock below slot B. The spring-pin E, which bears against the pivot or its head, tends to press the barrel back toward the recoil-shield S'. The barrel has a bottom rib, and this rib has beveled surfaces *i i i* near the corners of its lower surface, and has, nearly between these beveled

surfaces or notches, a depression, *k*, (one at each end of the barrel.) A spring-pin, *m*, in the frame or stock (which is held in place by nut *n*) projects slightly above the face of the stock or frame in the path of the inclines *i* when the barrel is turned on its pivot. The inclines will force the spring-pin down when the barrel is swung round, and when the barrel is central the rounded point of the spring-pin will enter one of the depressions *k*, holding the barrel with some firmness, but not so firmly that the barrel is locked—only held with a stiff spring pressure. The hammer O is pivoted at P and pressed forward by main-spring Q. The trigger R is thrust into engagement by sear-spring T, which is a single leaf screwed to the frame. The hammer is thrust back to rebounded position after firing by flat spring U, secured in the frame just behind the recoil-shield, said spring bearing against the face of the hammer below the nose.

This arm, which is used for firing signal-cartridges, is loaded in the usual way, and after firing one cartridge the barrel is swung partly round and a second cartridge inserted at the other end of the barrel, forcing the shell of the first one out. The cartridge-rim fills the space between the barrel and recoil-shield, and would meet with obstruction were the hammer allowed to stop in lowest or most forward position.

I claim—

In combination with a pistol-stock, a barrel pivoted to said stock on a vertical pin, and a spring bearing against said pivot to press it to the rear, a spring catch in the stock and notches in the edges and center of the barrel to engage therewith, and a rebounding hammer having a point which in its forward movement extends through the recoil-shield, but is thrown back by a spring between said hammer and shield, all substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

JAMES B. DAVIS.

Witnesses:

W. A. BARTLETT,
J. HARRY STUART.