

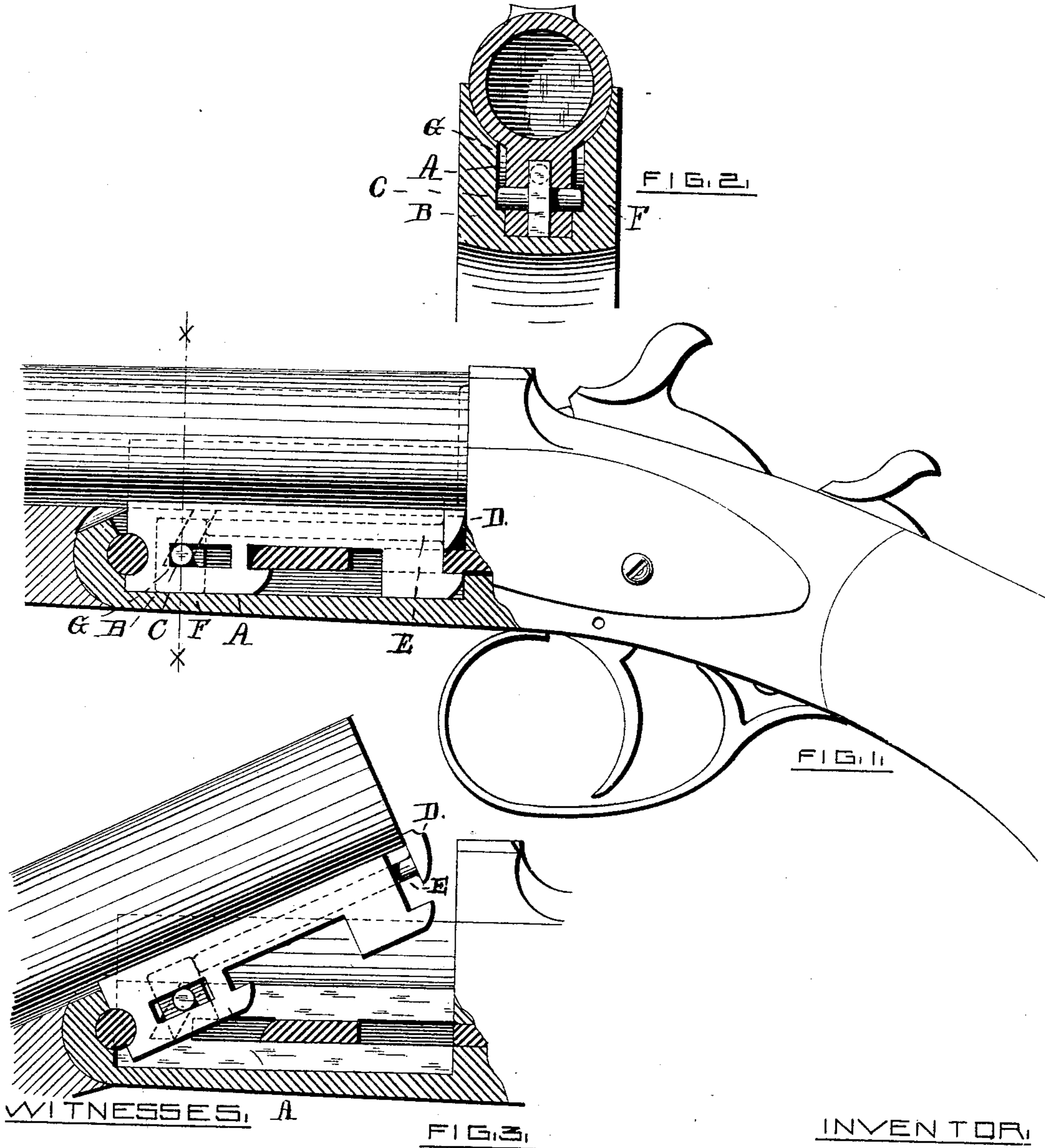
(No Model.)

J. MALONEY.

EXTRACTOR FOR BREAKDOWN GUNS.

No. 271,645.

Patented Feb. 6, 1883.



James J. Nolan
Geo H. Culver

INVENTOR,
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By William B. Vincent Atty.

UNITED STATES PATENT OFFICE.

JAMES MALONEY, OF PROVIDENCE, RHODE ISLAND, ASSIGNOR TO JOSEPH W. COFFIN, OF SAME PLACE.

EXTRACTOR FOR BREAKDOWN GUNS.

SPECIFICATION forming part of Letters Patent No. 271,645, dated February 6, 1883.

Application filed August 5, 1882. (No model.)

To all whom it may concern :

Be it known that I, JAMES MALONEY, of Providence, in the State of Rhode Island, have made certain new and useful Improvements in Breech-Loading Fire-Arms; and I do hereby declare that the following specification, taken in connection with the drawings making a part of the same, is a full, clear, and exact description thereof.

Figure 1 is a view of a gun, showing device for operating extractor. Fig. 2 is a cross-section of same on line *xx*. Fig. 3 shows position of same with barrel tipped.

My invention relates to breech-loading fire-arms having an extractor for the purpose of securing the automatic removal of the shell after discharge, and has for its object the positive and compulsory movement of the extractor; and it consists in the combination and arrangement of a slide-bar working in cam-slots with the extractor.

In most, if not all, the breech-loading fire-arms the operation of the extractor is made to depend wholly or in part upon a spring, which is, from the space that can be allotted to it, necessarily small, and is frequently out of order and oftentimes wholly inoperative. In my invention I slot the forward lug, A, upon the barrel, both horizontally and vertically, and insert therein a slide-bar, B, having upon either side or extending through it a pin, C, projecting beyond the vertical surface of lug A.

D is the extractor, which is connected with the slide-bar B by the rod E, the rod E not being attached to the slide-bar, but resting in contact therewith.

Upon the interior of the frame F, and upon each side thereof, I make an oblique or cam groove, G, into which the pins C work. After the piece has been discharged, the barrel is tipped to receive a new cartridge, as shown in Fig. 3. As the barrel begins to move upward the pins C must of necessity slide upward in the grooves G, which are so inclined as to carry the slide-bar toward the breech of the piece. As the slide-bar B moves backward the extractor-rod E, which rests in contact therewith, will also be caused to move backward or outward, carrying with it the extractor and shell until the barrel has reached its full tip and the extractor been carried to its extreme throw, as shown in Fig. 3, when the shell will either drop out or can be removed with the thumb and finger. After a new cartridge is inserted the barrel is brought back to the position indicated in Fig. 1, the pins C traveling back in the grooves G by the action of the extractor and rod, which are pressed back by the frame, until the extractor D has reached its former position.

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

In a breech-loading fire-arm, the extracting mechanism herein described, consisting of the grooves G, the slotted lug A, the slide-bar B, having pins C working in the grooves G, the extractor-rod E, and extractor D, the whole constructed, arranged, and operating in the manner substantially as specified.

JAMES MALONEY.

Witnesses:

J. W. COFFIN,
WALTER B. VINCENT.