

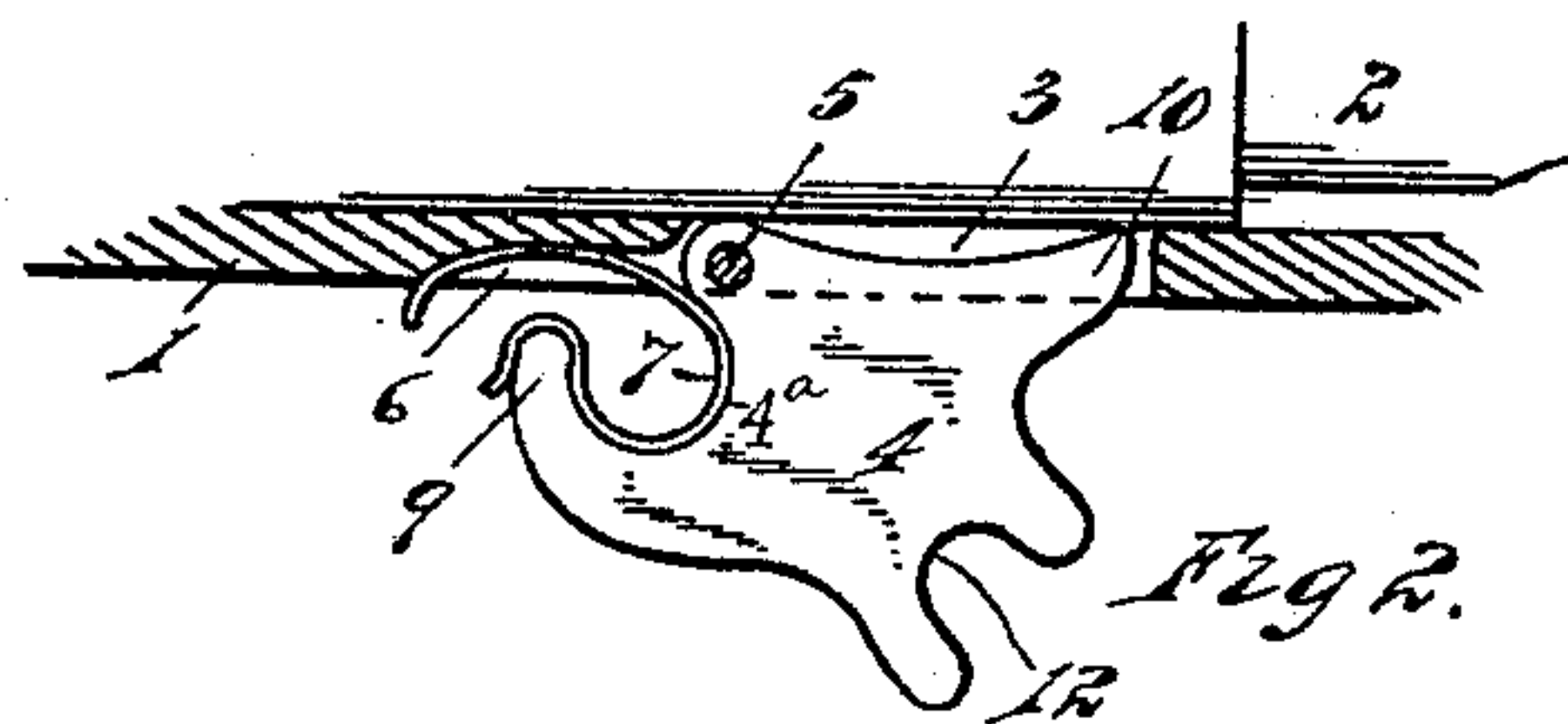
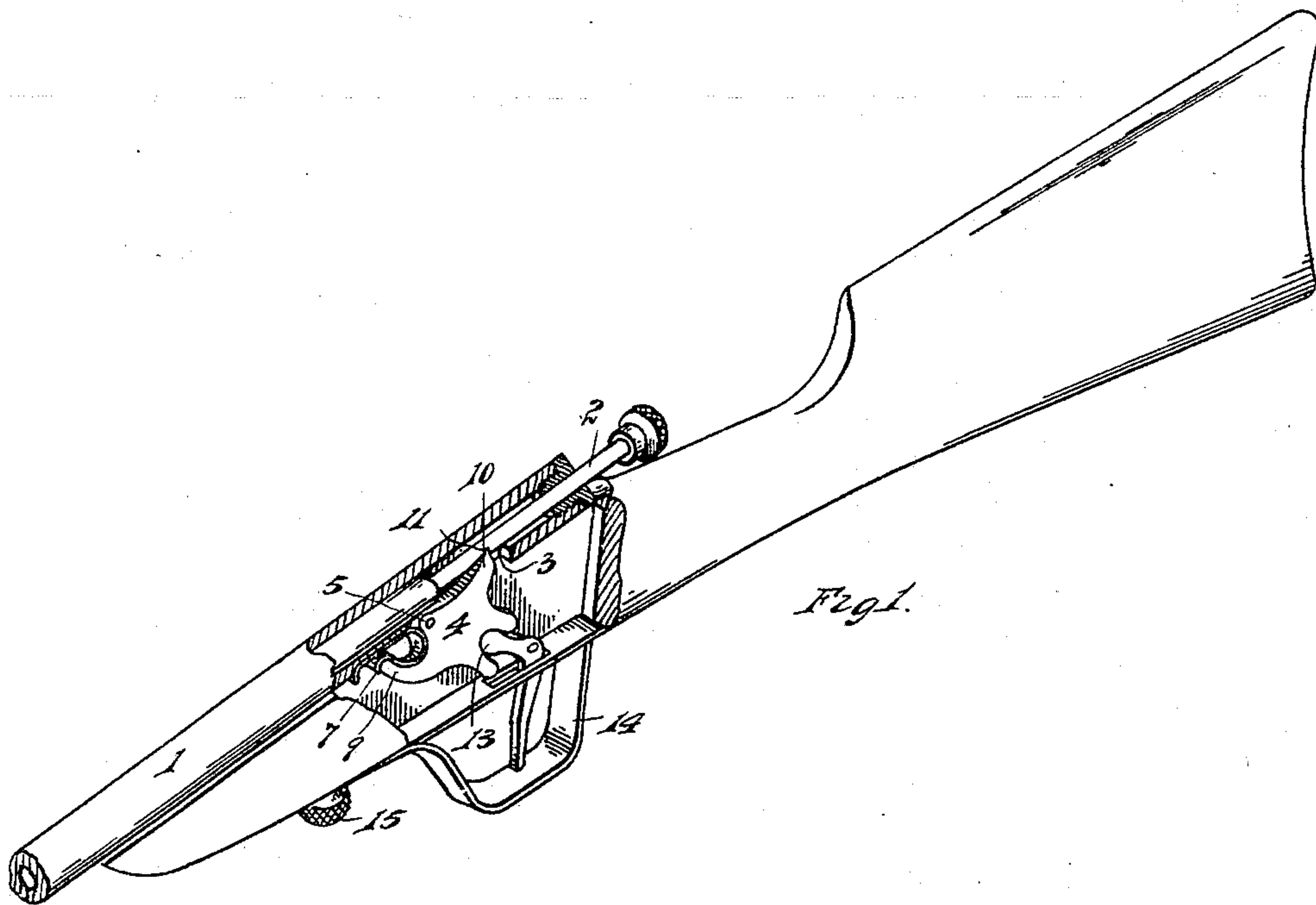
No. 868,616.

PATENTED OCT. 15, 1907.

W. J. McKEE.

FIREARM.

APPLICATION FILED OCT. 31, 1904.



WITNESSES
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UNITED STATES PATENT OFFICE.

WILLIAM J. McKEE, OF DETROIT, MICHIGAN, ASSIGNOR OF ONE-HALF TO ALBERT N. ERICSSON, OF DETROIT, MICHIGAN.

FIREARM.

No. 868,616.

Specification of Letters Patent.

Patented Oct. 15, 1907.

Application filed October 31, 1904. Serial No. 230,705.

To all whom it may concern:

Be it known that I, WILLIAM J. McKEE, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Firearms, and declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to firearms, and has for its object an improved trigger mechanism adapted to catch and release the firing pin of a gun.

In the drawings:—Figure 1, is a perspective view, showing the invention with a part of the stock broken away, and a part of the barrel in section. Fig. 2, is a side elevation of that part connected to the barrel.

1 indicates the barrel fitted with a longitudinally movable firing pin 2. At the rear of the barrel 1, under the firing pin 2, is a slot 3 cut through the barrel, and within said slot pivoted at the front thereof at 5 is a hook 4 constituting the sear portion of the trigger mechanism. In front of the pivot 5 in the barrel 1, is a recess or groove 6, into which extends one portion of a bent sear spring 7, said spring at one end turns over a horn 9 on the sear 4, after engaging closely the faces of the recess 4^a in the sear. The horn 9 helps to hold the spring in place. The other end of the spring 7 extends forward under the barrel, and up into the recess 6 made in the bottom of the barrel for its reception, and the spring serves to hold the horn 9 strained away from the barrel, and the nose 10 of the sear 4 strained against the firing pin 2. The recess 4^a is curved in a greater arc than that of a half circle, so that a portion of its walls near its mouth is reentrant. The spring 7 is bent so that it will enter the recess 4^a after it is somewhat sprung together, and fit against its walls pressing against said walls by its resilience, so that its tendency, where it acts against the reentrant portions of the walls of the recess 4^a, is to press the spring into said recess. Said spring also extends upward into and along the groove 6, its edges coming against the sides of said groove, so that it is held from lateral motion thereby. The nose 10 lies in the slot 3, bears against the under side of the

firing pin 2, and engages in the notch 11 when the firing pin is drawn back.

On the under side of the sear 4 is a knuckle cavity 12, into which engages the head of a lever 13, which constitutes the trigger proper of the gun. The bent lever or trigger 13 is pivotally secured to the stock or metal housing on the stock. The free end of the lever 13 reaches below the stock into the guard 14. The barrel is secured to the stock by means of the screw 15. The barrel may be removed from the stock by simply withdrawing the screw 15, which releases all the holding part and leaves the barrel free to slip forward and the knuckle connection between the trigger 13 and the sear 4 to be disengaged. The firing pin is released from its engagement with the sear by pulling back the free end of the trigger 13 in the usual way.

What I claim is:—

1. The combination of a sear, a support therefor, said sear being pivoted to said support, a recess in said sear, a groove in said support, a sear spring bent to fit into said recess and extend into said groove, for the purpose described.

2. The combination of a sear, a support therefor, said sear being pivoted to said support, a recess in said sear having a curved reentrant wall, a sear spring bent to fit within said recess and to press against the reentrant portion of said wall, a groove in said support, said sear spring extending into said groove, for the purpose described.

3. A sear having a recess therein, with a curved reentrant wall, a horn 9 adjacent to said recess, a spring bent to fit within said recess and to press against the reentrant portions of said wall and to pass over said horn, and a support for said sear having a groove therein, said sear being pivoted to said support, said spring being adapted to extend into said groove, for the purpose described.

4. The combination of a sear, a support therefor having a groove therein, said sear being pivoted to said support, a horn 9 on said sear beneath said groove, and a sear spring bent to fit over said horn and extending up into said groove, said spring being adapted by its resilience to press against the bottom of said groove and against said horn.

In testimony whereof, I, sign this specification in the presence of two witnesses.

WILLIAM J. McKEE.

Witnesses:

MAY E. KOTT,
CHARLES F. BURTON.