

L. SCHMEISSER.
AUTOMATIC FIREARM.
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989,432.

Patented Apr. 11, 1911.

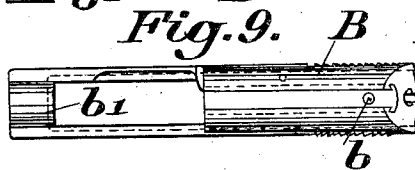
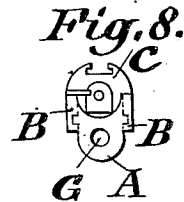
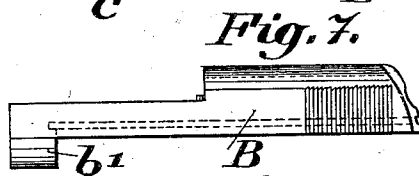
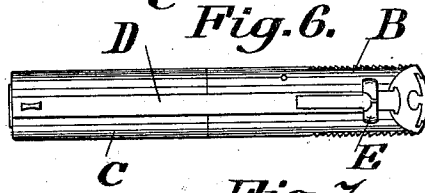
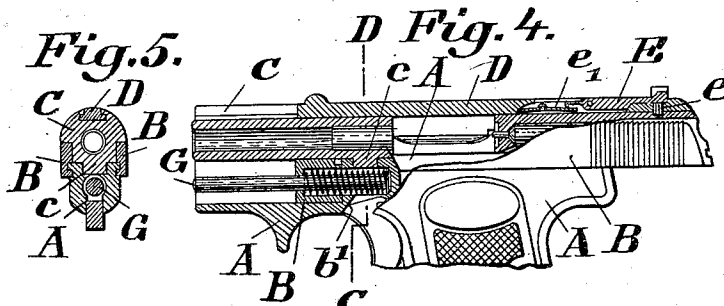
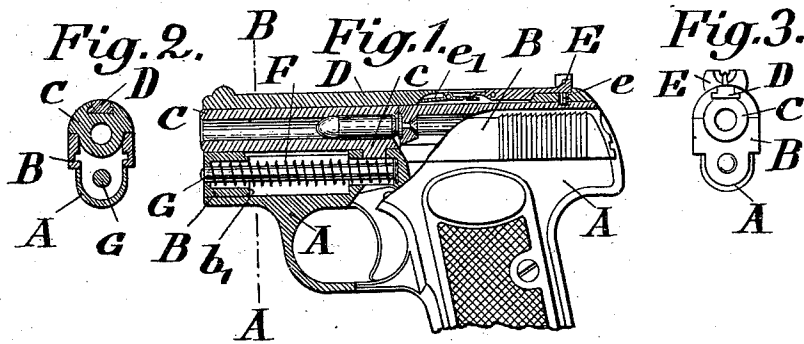


Fig. 10. Fig. 11.



WITNESSES

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AUTOMATIC FIREARM.

989,432.

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To all whom it may concern:

Be it known that I, LOUIS SCHMEISSER, engineer, a subject of the German Emperor, residing at 8 Strassburgerstrasse, Erfurt, Germany, have invented certain new and useful Improvements in Automatic Firearms; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in automatic fire arms, and more particularly to automatic fire arms with stationary barrel. And the object of the improvements is to provide a fire arm of this class in which the parts which must be dismantled for thoroughly cleaning the firearm can easily be mounted or dismantled by hand. For this purpose a slidable or otherwise movable locking bar is provided at the upper part of the firearm which enables the barrel to be easily secured or dismantled.

For the purpose of explaining the invention an example embodying the same has been shown in the accompanying drawing in which the same letters of reference have been used in all the views to indicate corresponding parts.

In said drawing Figure 1 is a vertical longitudinal section of the forward and upper part of a pistol of this class, the parts being shown in the closed position of the pistol, Fig. 2 is a cross-section of the pistol taken on the line A—B of Fig. 1, Fig. 3, is a front view of the pistol, Fig. 4 is a vertical longitudinal section of the fore upper part of the pistol, the breech block being withdrawn, Fig. 5 is a cross-section of the pistol taken on the line C—D of Fig. 4, Fig. 6 is a top view of the pistol in the closed position, Fig. 7 is a side view of the breech block seen from the left, Fig. 8 is a front view of the same, Fig. 9, is a top view of the same, Fig. 10 is a side view of the barrel seen from the left, and Fig. 11 is a front view of the barrel.

Referring to the example illustrated in the drawing, the breech block B is slidably supported within and has an interlocking engagement with the receiver A within which it can be shifted in a longitudinal direction. A stud *c* of the barrel C is fitted in a notch of the receiver (Figs. 1, 4 and 5). The barrel C and the breech block B are

provided over their whole lengths with grooves providing a seat for a slide bar D. Below the barrel a closing spring F is provided which with its rear end bears against a relatively stationary part of the receiver and with its front end against a stud *b*¹ projecting downward from the breech block B. The said spring is guided on a pin G. When the spring F has been placed into the receiver A, and the breech block B is pushed backward on the receiver A a sufficient distance, the barrel C with its stud *c* can be placed into the receiver A. The forward movement of the breech block B under the action of the spring F is limited by contact with the barrel, while the rearward movement of the said block is arrested by the stud *b*¹ striking against a relatively stationary part of the receiver.

When the slide bar D has been pushed into its seat formed by the grooves of the breech block B and the barrel C, the barrel which before was prevented only from being displaced longitudinally and laterally, is locked against upward displacement. When using the pistol the slide bar D is locked against displacement by means of the sight E which has a rocking support on bar D. A spring *e*¹ tends to force a pin *e* of the said sight into a recess *b* of the breech block B, as soon as the slide bar D has arrived in its proper position, as is shown in Figs. 1, 3 and 4. The slide bar D may also carry the front sight.

As shown in Fig. 4, when shifting the breech block B backward an aperture is formed through which the cartridges can be thrown out laterally.

The parts of the pistol are dismantled by raising the sight E, and shifting the slide D backward sufficiently to enable the barrel C to be removed from the stock in an upward direction. Now the breech block B, its spring F, and the guide pin G of the latter can be removed from the stock by shifting the same forward.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:

1. In automatic firearms, the combination with the stock, the barrel, and the breech block, said barrel and breech block being formed with registering guideways, of a stud projecting downward from said barrel

and fitting in a notch of the stock, and a slide bar seated within the guideways of said breech block and barrel.

2. In automatic firearms, the combination
5 with the stock, the barrel, and the breech
block, said barrel and breech block being
formed with registering guideways, of a
stud projecting downward from said barrel
and fitting in a notch of the stock, a slide
10 bar seated within the guideways of said
breech block and barrel, and means to lock
said slide bar on the breech block.

3. In automatic firearms, the combination
with the stock, the barrel, and the breech
15 block, said barrel and breech block being
formed with registering guideways, of a
stud projecting downward from said bar-
rel and fitting in a notch of the stock, a slide
bar seated within the guideways of said
20 breech block and barrel, a spring pressed
rear sight having a rocking support on said
slide bar, and means connected with said
rear sight to lock said slide bar on the
breech block.

25 4. In automatic firearms, the combination
with a stock, of a removable barrel, a breech
block interlocked to and slidable on the

stock, said barrel and breech block having
registering guideways, a slide fitted in said
guideways, and means detachably locking 30
said slide.

5. In automatic firearms, the combination
with a stock, of a removable barrel, a breech
block interlocked to and slidable on the
stock, said barrel and breech block having 35
registering guideways, a slide fitted in said
guideways, and means detachably locking
said slide to the breech block.

6. In automatic firearms, the combination
with a stock, of a removable barrel, a breech 40
block interlocked to and slidable on the
stock, said barrel and breech block having
registering guideways, a slide fitted in said
guideways, a projection carried by said slide
for entering a recess in said breech block, 45
and yielding means for holding said projec-
tion in said recess.

In testimony whereof, I have signed this
specification in the presence of two subscrib-
ing witnesses.

LOUIS SCHMEISSER.

Witnesses:

WOLDEMAR HAUPT,
ARTHUR SCHROEDER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."