

972,364.

Fig.1.

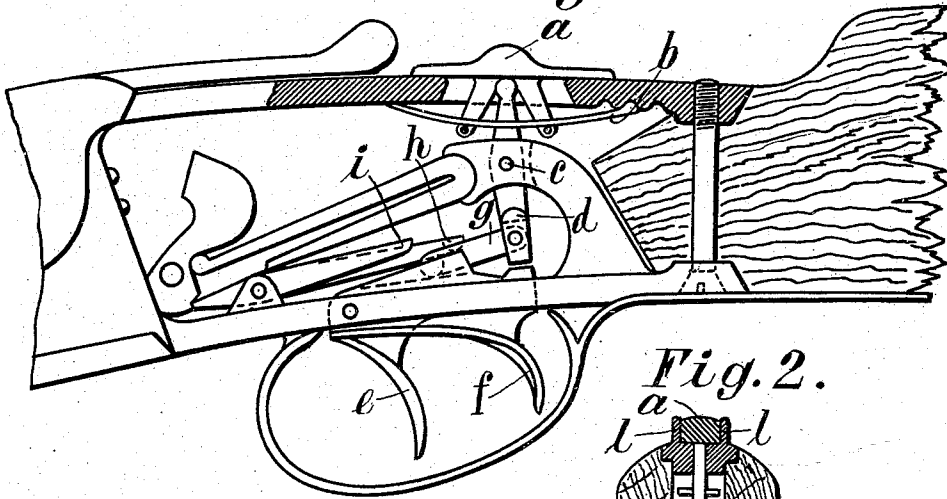


Fig. 2.

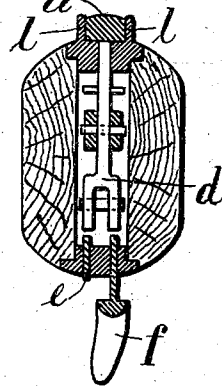


Fig. 3.

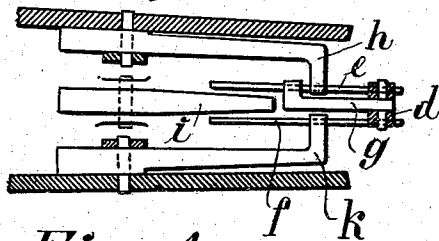


Fig. 4.

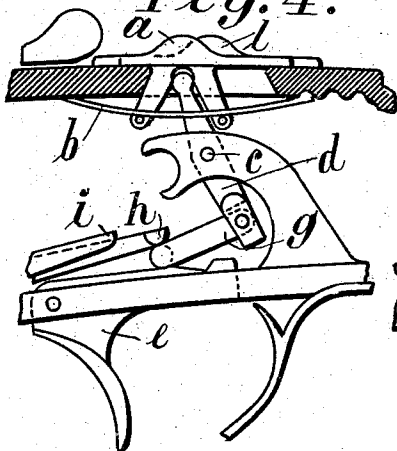
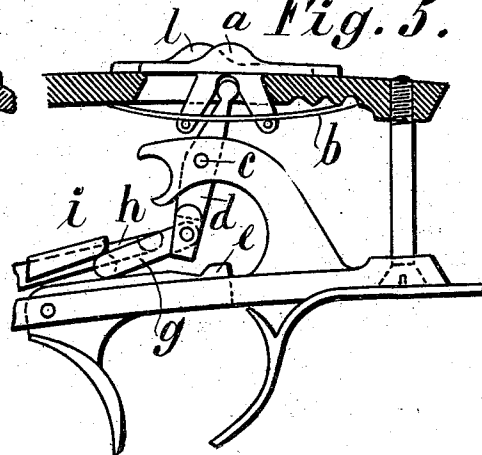


Fig. 5.



Witnesses
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UNITED STATES PATENT OFFICE.

CARL GUSTAF OSCAR GREVILLIUS, OF STOCKHOLM, SWEDEN.

FIREARM.

972,364.

Specification of Letters Patent.

Patented Oct. 11, 1910.

Application filed March 23, 1910. Serial No. 551,993.

To all whom it may concern:

Be it known that I, CARL GUSTAF OSCAR GREVILLIUS, a subject of the King of Sweden, residing at Stockholm, in the Kingdom of Sweden, have invented new and useful Improvements in Firearms, of which the following is a specification, reference being had to the drawing accompanying and forming a part hereof.

Of all the devices at the present date in use for operating the safety of fire-arms, or the lockwork of multi-barreled combination-guns, none has proved to be more popular than the slide or button on top of the tang. This device, although for handiness it can hardly be surpassed, has two drawbacks, each of which implies a serious danger. For one thing, it is extremely difficult to see, or otherwise to ascertain, whether the gun is safe or not. This difficulty increases, if the slide can be moved into more than two positions. The small letters generally imprinted on the tang are utterly useless in guarding against accidents. For the other thing, the slide is too much exposed to being accidentally moved into an unsafe position by catching against coatbuttons, twigs, etc.

The object of the invention is to remove the said drawbacks and provide a gun in which the safety may be easily handled and the position of the same may be easily ascertained by a slight touch with the thumb.

The invention consists in certain novel features of construction and combination of parts of the fire-arm all as hereinafter fully described and claimed.

In the drawing, I have shown one way of applying my invention to a three-barreled gun with three locks and only two triggers requiring a slide movable into three different positions.

Figure 1 is a longitudinal section of a part of the gun, showing the parts in safe-position. Fig. 2 is a cross-section. Fig. 3 is a top plan view of part of the lockwork. Fig. 4 is a longitudinal sectional view showing the slide in one end position and safety unbolted. Fig. 5 is a longitudinal sectional view showing the slide in its opposite end position and safety unbolted.

Referring to the drawing, the slide *a*, on top of the tang, can be moved from its mid-position either forward or backward. In each position it is held in place by a spring *b*. The slide actuates the rocking-lever *d* which is pivoted on the pin *c*. When the

slide *a* and the lever *d* are in their mid-positions, Fig. 1, both triggers *e* and *f* are positively locked by the lever *d*, and thus the gun is safe. By pushing the slide *a* forward, Fig. 4, the releasing latch *g* sliding on the top of the righthand trigger *e* arrives underneath the sear *h* of the righthand lock, and both triggers *e* and *f* being at the same time unbolted, the righthand hammer may be snapped by means of trigger *e* and latch *g*. By pulling the slide *a* back, Fig. 5, the latch *g* arrives underneath the shorter sear *i* of the intermediate lock, and both triggers *e* and *f* being even in this case unlocked, the intermediate hammer may be snapped by means of trigger *e* and latch *g*.

The lefthand trigger *f*, if not locked, always actuates the sear *k*, Fig. 3, of the lefthand lock which, consequently, may be pulled off whenever the slide *a* is brought into either end-position.

In Fig. 1, showing safe-position, the slide *a* is inclosed between the immovable lugs *l*, Fig. 2, slide and lugs presenting together, to view and to touch, a comparatively smooth surface from which twigs and such like things will glide off, without moving the slide. The human thumb however, being just soft enough, will find no difficulty in pressing the slide over into either end-position, shown in Figs. 4 and 5. The slightest touch of the thumb at any time will suffice to ascertain the position of the slide.

In most arms the slide can be moved into two positions only, effecting the safety of ordinary double guns or actuating the reversing gear in combination-guns. In either case the lugs *l* are equally applicable and equally useful. The safety of the arm might be effected by bolting the hammers, the mainsprings or the sears, either or all.

If desired, the slide *a* may be replaced by a lever, for instance by an upper extension of the rocking lever *d*. The lugs, the slide, or the lever may obviously be differently shaped in an endless variety of forms, the lugs for instance forming a rather extended elevated surface.

I claim:

1. In a fire-arm, the combination of a safety-slide adapted to take up a middle position in which the arm is made safe and two unlocking positions, and a lug projecting above the surface of tang and extending along the said slide, at one side thereof, and forming together with the upper surface of

the slide a continuous surface when the slide is in its middle position.

2. In a multi-barreled fire-arm, the combination of firing mechanisms for the various barrels, triggers for operating the said firing mechanisms, a combined safety and reversing device comprising a slide adapted to take up a middle position in which the arm is made safe and two unlocking positions, and means operated by the said slide for operatively connecting one trigger with one or the other firing mechanism according as the slide takes up one or the other unlocking position.

3. In a multi-barreled fire-arm, the com-

bination of firing mechanisms for the different barrels, triggers for operating the said firing mechanisms, a safety-slide adapted to take up a middle position in which the arm is made safe, an elevated surface forming a continuous extension of the said slide in the said middle position thereof, and means operated by the said slide for operatively connecting one trigger with one or the other firing mechanism according as the slide takes up one or the other unlocking position.

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