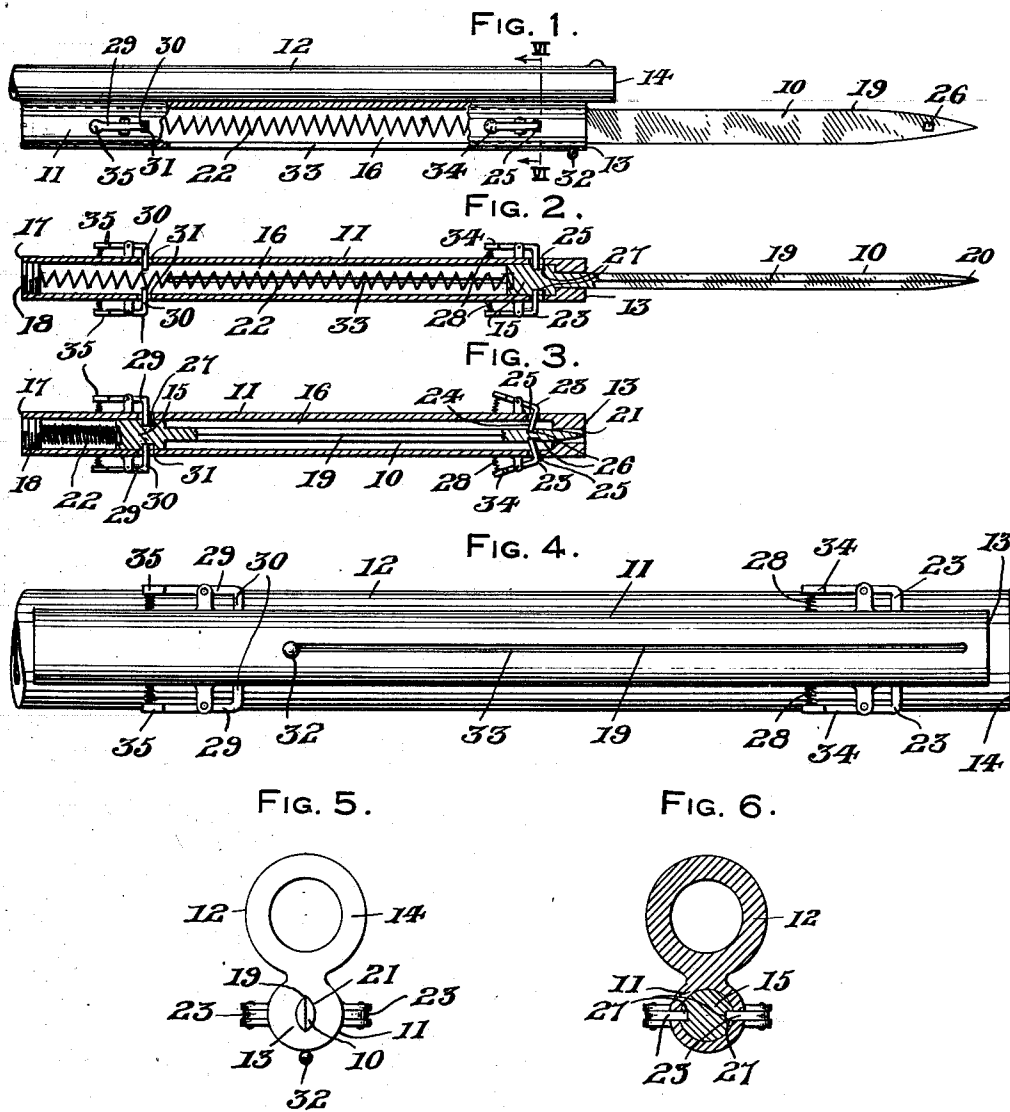


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DISAPPEARING BAYONET.
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1,260,827.

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DISAPPEARING BAYONET.

1,260,827.

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To all whom it may concern:

Be it known that I, JOHN STEFANOV, a subject of the King of Hungary, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Disappearing Bayonets, of which the following is a specification.

The primary object of the invention is the provision of a bayonet for guns adapted for normal positioning entirely hidden from view and adapted for automatic projecting upon being released by the operator.

A further object of the invention is the provision of a cutting blade arranged upon a gun barrel and readily moved to an inclosed position when not in use, the same being automatically projected to its operative position in advance of the gun barrel when the same is desired for use.

A still further object of the invention is the provision of a disappearing bayonet construction for guns that is easy and inexpensive to manufacture but at the same time possesses great strength and utility.

In the drawing forming a part of this application and in which like designating characters refer to corresponding parts throughout the several views,

Figure 1 is a side elevation of a portion of a gun barrel provided with the present device with parts broken away.

Fig. 2 is a central longitudinal sectional view taken through the device with the bayonet projected.

Fig. 3 is a similar view with the bayonet retracted.

Fig. 4 is an enlarged bottom plan view of a gun barrel provided with the device, and with the bayonet retracted.

Fig. 5 is an elevational view of the gun muzzle and the device, and

Fig. 6 is a transverse sectional view taken upon line VI—VI of Fig. 1.

It being understood that the device is in the nature of a disappearing bayonet for guns, the same broadly consists of the blade 10 shiftably arranged within a tube 11 positioned beneath the gun barrel 12 with the forward end 13 of the tube positioned slightly rearwardly of the muzzle 14 of the gun.

The blade 10 is provided with a cylindrical base 15 fitting within the bore 16 of the tube 11 and is placed in position by moving the same into the bore 16 through

the open rear end 17 of the tube 11, a closure plug 18 being provided for the said tube end. The blade 10 has a sharpened edge 19 and a pointed free end 20, the latter being received within an elliptical opening 21 in the forward end 13 of the tube 11.

A helical spring 22 is arranged within the tube 11 rearwardly of the blade base 15 and between the said base and the plug 18, the arrangement being such that the inward or retracting movement of the blade 10 compresses the spring 22 so that upon releasing the blade the latter will be automatically projected by the spring 22 until the base 15 engages the front wall or end of the bore 16 of the tube as illustrated in Fig. 2 of the drawing. Angular locking latches 34 are pivoted at opposite points upon the tube 11 slightly spaced from the forward end 13 thereof and having engaging ends 23 projecting through perforations 25 in the sides of the tube for engaging within opposite sockets 26 adjacent the point 20 of the blade 10, when the blade is retracted as shown in Fig. 3, while said latch ends 23 engage within opposite sockets 27 in the base 15 when the blade is projected as shown in Fig. 2. Operating springs 28 are provided for the latches 34. Similar latches 29 are oppositely arranged adjacent the rear portion of the tube 11 having their locking ends 30 projecting through openings 31 in the tube 11 for engaging the said sockets 27 in the base 15 when the blade 10 is retracted as shown in Fig. 3.

An operating knob 32 projects from the lower side of the base 15 through a bottom slot 33 in the tube 11 for convenience in retracting the blade 10 upon releasing the latches 34 from the base sockets 27. By this rearward movement of the blade 10 due to a pull on the knob 32 when the latches 34 are released, the spring 22 will be compressed and the blade 10 moved rearwardly until the latches 29 which are held open will be brought into alinement with the sockets 27 of the base 15 while the forward latches 34 will automatically seat within the sockets 26. When it is desired to use the blade 10, the enlarged ends of the latches 34 and the similar ends 35 of the latches 29 are pressed inward for releasing the blade, whereupon the spring 22 automatically projects the blade to its operative position, and upon releasing the latches 34, the same will engage in the sockets 27 of the base 15. A

serviceable bayonet for guns is provided which may be projected for immediate use when required while the same is normally out of the way and protected when not desired for use.

What I claim as new is:—

1. In combination with a gun barrel, a tube arranged therebeneath having a uniform bore and with the forward end of the tube provided with an elliptical opening communicating with said bore, a blade having a base slidably arranged within the said bore with the blade positioned within said elliptical opening, a closure plug for the rear end of the tube, a helical spring between the said plug and base, the said base and blade having oppositely arranged sockets therein, and angular locking latches arranged adjacent the opposite ends of the tube adapted for engaging within the said sockets when the blade is retracted within the tube.

2. In combination with a gun barrel, a

tube arranged therebeneath having a uniform bore and with the forward end of the tube provided with an elliptical opening communicating with said bore, a blade having a base slidably arranged within the said bore with the blade positioned within said elliptical opening, a closure plug for the rear end of the tube, a helical spring between the said plug and base, the said base and blade having oppositely arranged sockets therein, angular locking latches arranged adjacent the opposite ends of the tube adapted for engaging within the said sockets when the blade is retracted within the tube, the forwardly positioned latches adapted for engaging within the sockets of the base when the blade is projected, the said tube having a longitudinal slot in the bottom thereof, and an operating knob carried by the base of the blade and projecting through the said slot.

In testimony whereof I affix my signature.

JOHN STEFANOV.