

H. H. HULL.
KNIFE ATTACHMENT FOR REVOLVERS.
APPLICATION FILED MAR. 23, 1909.

946,132.

Patented Jan. 11, 1910.

Fig. 1.

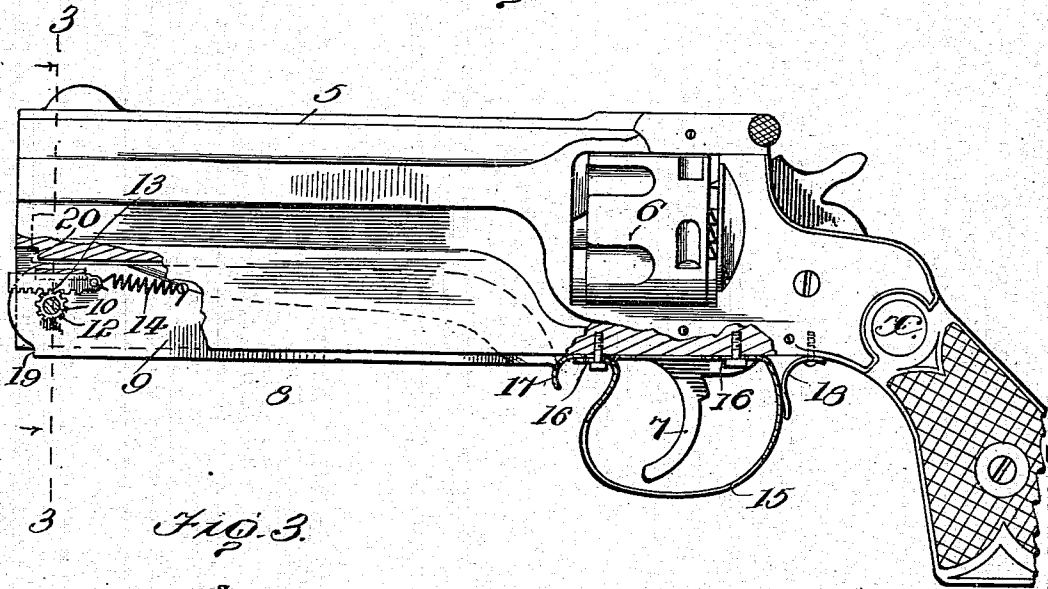


Fig. 3.

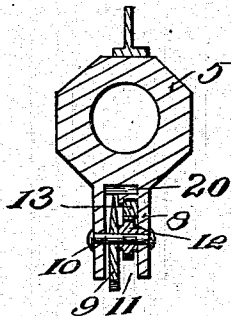
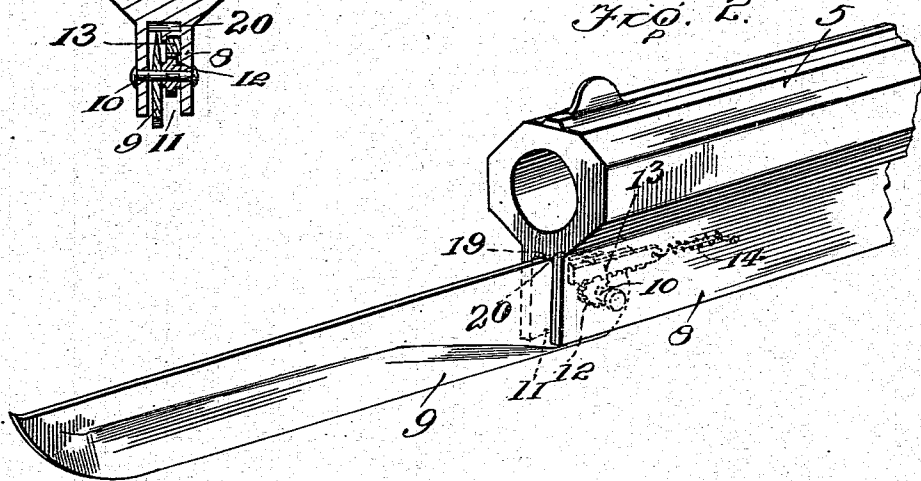


Fig. 2.



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Witnesses

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UNITED STATES PATENT OFFICE.

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KNIFE ATTACHMENT FOR REVOLVERS.

946,132.

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Application filed March 23, 1909. Serial No. 485,270.

To all whom it may concern:

Be it known that I, HENRY H. HULL, citizen of the United States, residing at Oberlin, in the county of Lorain and State of Ohio, have invented certain new and useful Improvements in Knife Attachments for Revolvers, of which the following is a specification.

This invention relates to fire arms, and more particularly to a knife attachment for revolvers.

The object of the invention is to provide a revolver having a spring actuated blade pivotally mounted on one end thereof, and movable to operative or extended position when the trigger guard is retracted thereby to enable the operator to have an auxiliary weapon of defense for use in close quarters or when the supply of cartridges is exhausted.

A further object of the invention is to generally improve this class of devices so as to increase their utility, durability and efficiency.

Further objects and advantages will appear in the following description, it being understood that various changes in form, proportions or minor details of construction may be resorted to within the scope of the appended claims.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings in which:

Figure 1 is a side elevation of a revolver provided with a knife attachment constructed in accordance with my invention showing the blade in closed position; Fig. 2 is a perspective view of a portion of the revolver barrel showing the blade in open or extended position; and, Fig. 3 is a transverse sectional view taken on the line 3—3 of Fig. 1.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawings by the same reference characters.

The knife blade attachment forming the subject matter of the invention is particularly designed for application to revolvers, pistols, and analogous fire arms, and by way of illustration is shown in connection with a revolver of the usual construction in which 5 designates the barrel, 6 the cylinder and 7 the trigger.

Secured to or formed integral with the

barrel 5 is a casing or housing 8 preferably formed of depending longitudinally disposed plates spaced apart to form an intermediate compartment for the reception of a cutting blade or dirk 9. The blade 9 is keyed or otherwise rigidly secured to a stub shaft 10 extending transversely of the compartment 11, and secured to said stub shaft in spaced relation to the blade is a pinion 12, the teeth of which are arranged to engage a longitudinally movable rack 13. The rack 13 is slidably mounted between suitable guides and is of such a length that when the same is retracted, the pinion will make a one-half revolution and thus move the active end of the blade to extended or operative position. Secured to one of the depending plates constituting the casing 8 is a coil spring 14 the opposite end of which is secured in any suitable manner to the adjacent end of the rack 13. The spring 14 is normally under tension or stress so that when the active end of the knife blade is released the spring will rotate the pinion 12 and thus actuate the rack to move the blade to extended position.

Associated with the trigger 7 is a guard 15 preferably stamped or otherwise formed from a single piece of metal and having its opposite ends bent laterally to produce flat horizontally alined arms 16 one of which is bent downwardly to form a spring locking lip 17 which bears against the active end of the blade 9 and serves to normally and yieldably hold the blade within the casing or housing 8. The arms 16 of the guard 15 are provided with elongated slots for the reception of screws or similar fastening devices thereby to allow a limited longitudinal movement of the guard with relation to the active end of the cutting blade. The lip 17 is yieldably supported in engagement with the point of the cutting blade 9 by means of a substantially U-shaped spring 18 interposed between the guard 15 and the stock of the revolver, one end of the spring being rigidly secured in any suitable manner to the stock as shown. Thus it will be seen by exerting a slight rearward pull on the guard 15 the spring lip 17 will be disengaged from the active end of the blade 9 thereby causing the coiled spring 14 to actuate the rack 13 and automatically move the blade to extended or operative position with the shoulder 19 bearing against a stop 20 so that the blade may be supported rigidly in

a longitudinal plane and used as an auxiliary weapon of defense in close quarters or when the supply of cartridges is exhausted.

When the knife attachment is not in use the blade may be folded within the casing or housing 8 and in which position the point of the blade will bear against the lip 17, so as to prevent accidental movement of the blade when carrying the revolver in the pocket or in a suitable holster designed to receive the same.

While I have shown and described the knife or dirk attachment in connection with a revolver, it is obvious that the same may be used with equally good results on rifles, guns, pistols or other fire arms without departing from the spirit of the invention.

Having thus described the invention, what is claimed as new is:—

1. A fire arm having a movable trigger guard, a cutting blade mounted on the fire arm and held in inoperative position by engagement with the trigger guard, said cutting blade being movable automatically to operative position when the trigger guard is retracted.

2. A fire arm having a movable trigger guard, a spring actuated cutting blade pivotally mounted on the firearm and normally held in inoperative position by engagement with the trigger guard, said cutting blade being movable automatically to operative position when the trigger guard is retracted.

3. A fire arm having a longitudinally movable trigger guard, a cutting blade pivotally mounted on the fire arm and normally held in inoperative position by engagement with said trigger guard, the cutting blade being movable automatically to operative position when the trigger guard is retracted.

4. A revolver having a longitudinally movable trigger guard, a casing depending from the barrel of the revolver, a cutting blade pivotally mounted in said casing and normally held within the latter by engagement with the trigger guard, said blade being movable automatically to operative position when the trigger is retracted.

5. A revolver including a longitudinally movable trigger guard having one end thereof provided with a depending locking lip, a casing arranged beneath the barrel of the

revolver, a cutting blade pivotally mounted within the casing, and having its free end arranged to engage the locking lip of the trigger guard for normally holding the cutting blade within the casing, and a spring operatively connected with the pivoted end of the cutting blade for automatically moving said blade to operative position when the trigger guard is retracted.

6. A revolver, including a longitudinally movable trigger guard, a casing depending from the barrel of the revolver, a stub shaft journaled in said casing and provided with a pinion, a cutting blade carried by the stub shaft and normally held within said casing by an engagement with the trigger guard, a rack slidably mounted within the casing and engaging the teeth on the pinion, a spring having one end thereof connected with the casing and its opposite end secured to the rack, said spring serving to automatically move the cutting blade to extended or operative position when the trigger guard is retracted.

7. A revolver including a longitudinally movable trigger guard having slots formed in one end thereof and provided with a depending locking lip, fastening devices extending through said slots and engaging the stock of the revolver, a casing depending from the barrel of said revolver, a cutting blade pivotally mounted within the casing and having its free end arranged to bear against the depending locking lip of the trigger guard, a pinion carried by the pivotal axis of the cutting blade, a rack engaging the teeth of the pinion, a spring forming a yieldable connection between the rack and one wall of the casing, and a spring interposed between the trigger guard and the stock of the revolver for normally and yieldably supporting the locking lip in engagement with the active end of the cutting blade, said cutting blade being movable automatically to extended position when the trigger guard is retracted.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY H. HULL. [L. S.]

Witnesses:

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