

piece 40 extends into the trigger guard in position to be engaged by the finger for generally vertical movement and a lateral extension 49 at the upper end engages a notch 50 in the tail of the bolt stop 51. Preferably the slots 47a and 47b are disposed at an angle to each other so that the release has a combined translational and swinging movement, causing the extension 43 to follow closely the arcuate path of the notch 50. Support for the bolt stop is provided by the bolt stop pin 15 which, as previously noted, assists in retaining the trigger housing in assembled relation to the receiver. The bolt stop is resiliently urged to swing about the pin 15 in a clockwise direction, as viewed in Fig. 4, by a spring 52 seated in a blind hole in the receiver. Extending into the receiver under spring urging and withdrawable by the action of the shooter's finger on the fingerpiece 40 is the bolt stop shoulder 53. This shoulder normally extends a substantial distance into the usual type of guide track 54 for the left hand bolt locking lug and places a definite rearward limit upon movement of the bolt. Since the bolt stop release 47 is protected by the trigger guard from accidental contact with brush, a saddle scabbard or any other object which might dislodge an externally mounted bolt stop, it will be a practical impossibility to inadvertently pull the bolt free of the receiver.

Although a single specific embodiment has been illustrated and described in detail, it should be understood that the invention is not to be considered as limited to the exact embodiment disclosed. It is intended that all modifications and equivalents falling within the terms of the appended claims shall be considered as a part of the invention.

We claim:

1. Fire control means for a firearm having a spring urged striker comprising means defining a negative angle sear engaging face on said striker; a pivotally mounted sear having formed thereon a negative angle face arranged for engagement with the face of said striker; trigger means to releasably support said sear against disengagement from said striker as a result of striker spring force acting through said negative angle faces; sear spring means tending to restore said sear to striker engaging position; a pivotally mounted safety cam constructed and arranged to have negative angle engagement with said striker substantially similar to that of said sear; and manually actuable safety operating means comprising an eccentric member manually rotatable about a fixed axis between a "Firing" position and a circumferentially displaced "Safe" position, said fixed axis being so disposed relative to said safety cam that said eccentric will not engage the safety cam in "Firing" position and in "Safe" position will have engaged said safety cam and shifted same into said further engagement with the striker.

2. Fire control means for a firearm having a receiver and a main spring-urged striker therein comprising an abutment on said striker having a sear engaging surface; a sear pivotally mounted in said receiver and engageable with said abutment surface, said sear being so arranged relative to said abutment that a line projected between the point of contact with said surface and the point of pivotal mounting of the sear makes an angle of greater than 90 degrees with said surface and a component of main spring force

acts to disengage the sear from said abutment; a lug on said sear; a trigger; means to pivotally support said trigger with a portion thereof beneath said lug; a connector overlying the portion of said trigger beneath said lug and carried thereby, said connector having an aperture therethrough and providing a surface releasably engageable with said lug; a trigger spring engaged with said connector arranged to act through said connector in opposing movement of said trigger; and trigger stop means passing through said aperture in position to limit movement of the trigger without retarding movement of said connector, said trigger and connector being so constructed and arranged that movement of the trigger into contact with said stop means will substantially complete the disengagement of said connector from said lug and further movement of the connector relative to the trigger will allow the sear to move without material impairment by said connector.

3. Fire control means for a firearm having a trigger housing and a sear which is acted upon by a force tending to release the sear comprising a lug on said sear; a trigger pivotally mounted in said housing having a surface movable into and out of a position opposed to said lug; a connector carried by the trigger and movable relative thereto, a portion of said connector overlying said surface and arranged to be engaged between said surface and said lug, said connector being arranged on said trigger to be moved thereby in the direction of disengagement from said lug and being also arranged to be capable of movement relative to said trigger in the direction of disengagement from said lug; spring means opposing movement of said connector relative to the trigger; and positive stop means on said housing arranged to block further movement of the trigger after the trigger has been moved to a position in which disengagement of said connector from said lug is substantially complete.

4. Fire control means as described in claim 3, said pivotally mounted trigger comprising an elongated member of which an end face forms said lug opposing surface; and said connector comprising an L-shaped member, one leg of which overlies said end face to be engaged with said lug while the other leg of said L-shaped member lies against said elongated member; said spring means being engaged between said other leg and said housing and tending to yieldingly hold said other leg in engagement with said elongated member.

5. Fire control means as described in claim 4, said L-shaped member being formed to provide an aperture through said other leg; said positive stop means comprising a screw adjustably mounted in said housing and passing loosely through said aperture in position to engage said elongated member when said trigger has been moved to said position in which disengagement is substantially complete.

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The following references are of record in the file of this patent:

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