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Reynolds

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[54] **SAFETY LOCK DEVICE FOR A BOLT ACTION FIREARM**

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[52] **U.S. Cl.** ..... **42/1 R,** 42/1 N, 70/18

[51] **Int. Cl.** **F41c 17/08,** F41c 27/00, E05b 73/00

[58] **Field of Search** ..... 42/1 R, 1 N, 1 Y, 42/70 R; 70/18, 260

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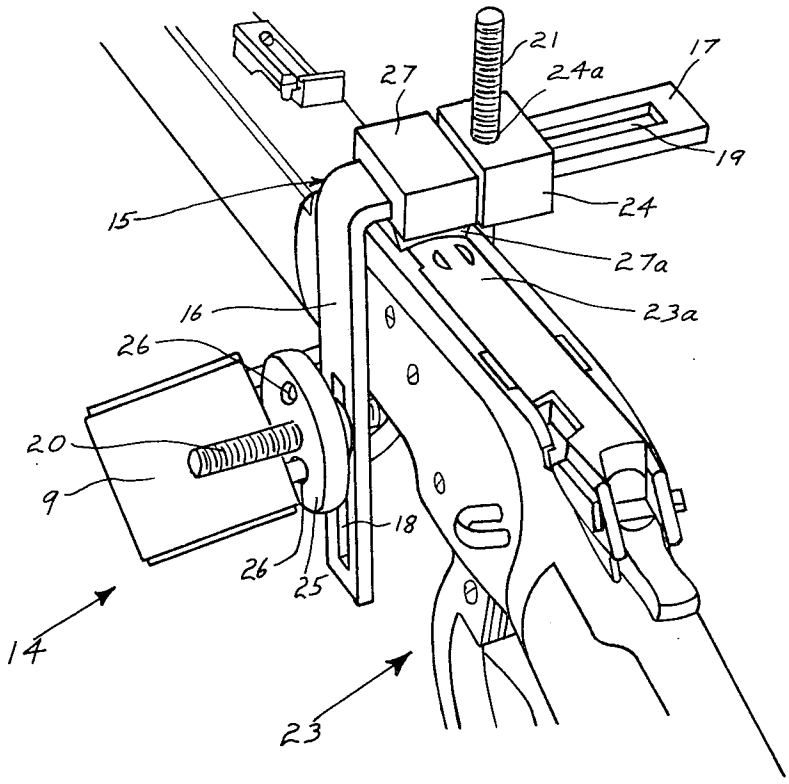
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[57] **ABSTRACT**

A safety device for securing a bolt or lever action firearm against being accidentally fired includes a two section clip having mating and locking end parts. One section of the clip is moveable away from the other to open the clip. A part of one clip section is adapted to be mounted in the breech area of the firearm to prevent operation of the breech mechanism, and the other clip section is adapted to be mounted about the firearm. The two clip sections are locked together when the clip sections are thus mounted in and about the firearm.

5 Claims, 5 Drawing Figures



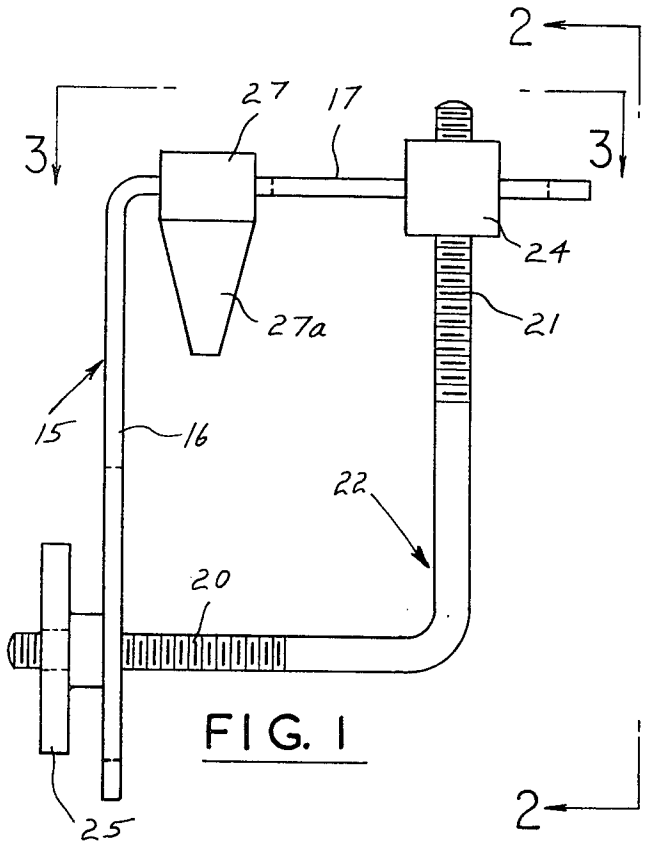


FIG. 1

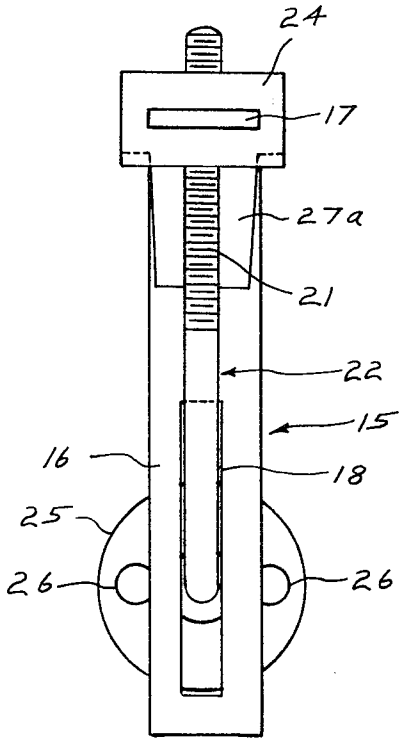


FIG. 2

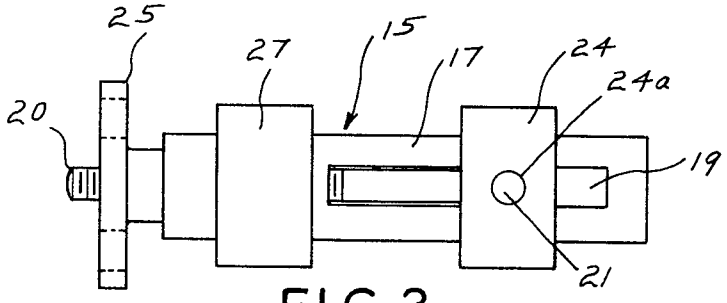


FIG. 3

2 Sheets-Sheet 2

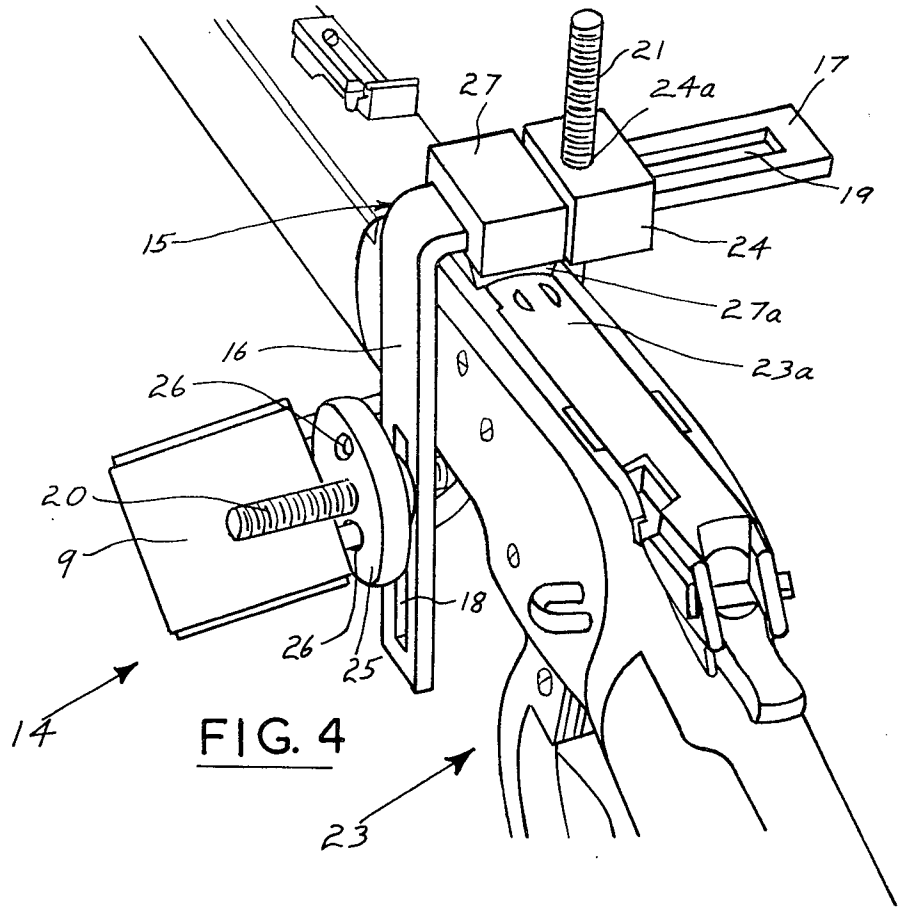


FIG. 4

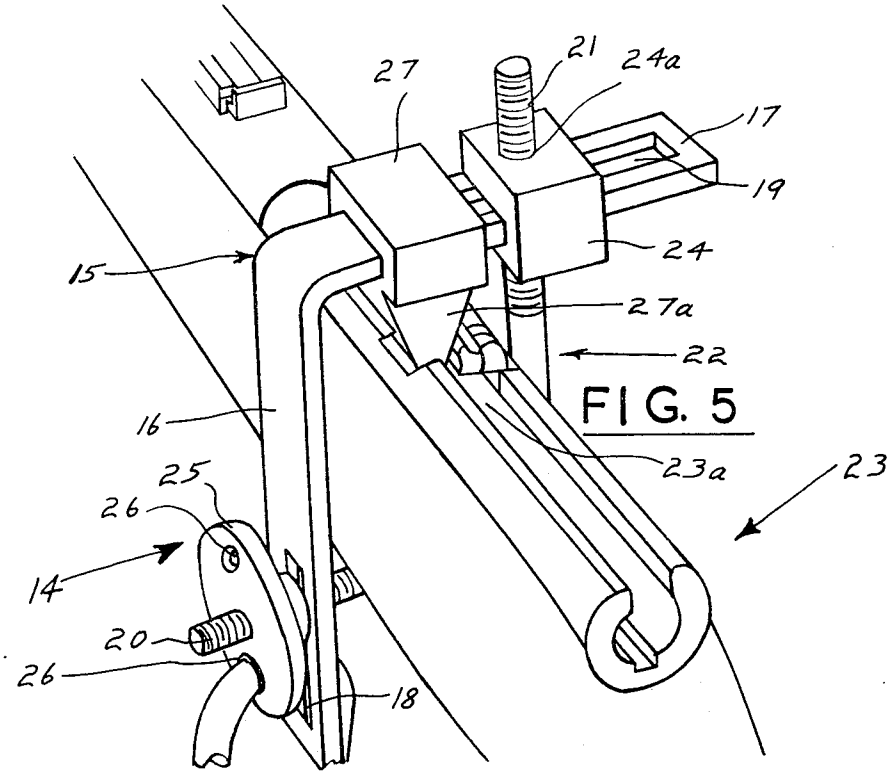


FIG. 5

SAFETY LOCK DEVICE FOR A BOLT ACTION FIREARM

This invention relates to firearms and is more particularly concerned with firearms, particularly rifles, of the bolt action and magazine kind or the lever action kind.

An object of this invention is to provide a means for securing firearms of the kind referred to against being fired when the firearm is not in use. Other objects and advantages of the invention will become apparent from the ensuing description.

According to a second aspect of this invention there is provided a means for securing a bolt or lever action firearm against being fired, comprising a two section clip with mating and lockable end parts, one section of the clip being movable away from the other to open the clip, at least part of one clip section being locatable in the breech area of the firearm to prevent operation of the breech mechanism and the other clip section being locatable about the firearm, and there being locking means for locking the two clip sections together when located in and about the firearm.

In a still further aspect of this invention there is provided means for securing a bolt action magazine kind of firearm, or a lever action firearm, against being fired. comprising a two section clip each section of which has an arcuate formation with one end portion detachably engageable with a complementary end portion of the other section so that the two clip sections together have their arcuate formations opposed, the other end portions of both clip sections being securable together by a locking device; in the case of a bolt action magazine firearm one of said clip sections being locatable through the bolt-magazine or breech part of the firearm with the magazine removed and bolt open or removed, and the other clip section being located externally of the firearm for engagement with and securement to the first clip section; in the case of a lever action firearm the clip being located and secured through or about the lever or about the adjacent body part of the firearm to prevent opening of the lever, about the said adjacent body part of the firearm when the lever is open to prevent the lever being moved to the "home" loaded position.

The invention will now be described by way of example and with reference to the accompanying drawings, in which:

FIGS. **1, 2,** and **3** are side elevational, end elevational and plan views, respectively, of a clip in accordance with the invention,

FIG. **4** is a perspective view illustrating the manner in which the clip of FIGS. **1 2** and **3** may be applied to a lever action rifle, and

FIG. **5** is a fragmentary perspective view illustrating the manner in which the clip of FIGS. **1, 2,** and **3,** may be applied to a bolt action rifle.

In embodiment of the invention illustrated in FIGS. **1** to **5** of the drawings, an adjustable clip (generally indicated by the arrow **14** in FIGS. **4** and **5**) is provided so as to be suitable for various kinds and sizes of firearms, for example suited to both lever and bolt action firearms and suitable for magazine and single shot breech loading rifles.

In this form of the invention, the clip **14** comprises a first section, indicated by the arrow **15,** formed from flat metal bar bent into an "L" formation and with both

legs **16** and **17** of the "L" formation provided with elongate longitudinally disposed slots **18** and **19** through which screw threaded end portions **20** and **21** of an "L" shaped bolt, which form part of the second clip section and is generally denoted by the arrow **22,** may pass for securement, the slots **18** and **19** providing for adjustment in either or both longitudinal directions of the clip **14** according to the firearm to which the clip **14** is to be fitted.

The clip **14** is intended in use to be disposed with the "L" shape bar section **15** inverted to have one leg **17** extending transversely of and over the breech portion **23***a* of the rifle or other firearm **23,** and the other leg portion **16** extending vertically down one side thereof; and the "L" shaped bolt section **22** may thus have a screw threaded leg portion **20** extending horizontally below the breech portion **23***a* of the rifle or firearm **23** to pass through the slot **18** in the vertical portion **16** of the bar section **15,** and the other screw threaded leg portion **21** of the second bolt section **22** extending upwardly and through the slot **19** in the upper transverse leg **17** of the "L" shaped bar first section **15.**

A slotted block member **24** is slideably located on the transverse leg **17** of the first section **15** and is provided with a screw threaded aperture **24***a* with its axis intersecting the axis of the slot **19** in the transverse leg **17** of the first clip section **15** so that the upwardly directed portion **21** of the second clip section **22** can be screw threadedly engaged therewith and adjustable in relation thereto vertically and also transversely of the transverse portion **17** of the first clip section **15.** An adjustable nut or like member **25** which may be of disc formation, is screw threadedly engaged on the transverse lower portion **20** of the second clip section **22** and is arranged for a location on the outer side of the vertical leg **16** of the first clip section **15** for effecting adjustable securement of the two clip sections, **15** and **22** together; the disc like nut **25** for the clip second section **22** is also provided with at least one aperture **26** which is alignable with the slot **18** in the lower end part of the upright portion or leg **16** of the first clip section **15** to thus provide an arrangement whereby the usually provided "U" shaped staple or hook shackle portion of a padlock **9** may be passed through an appropriate one of the aperture **26** in the nut **25** and through the slot **18** in the upright leg portion **16** of the first clip section **15** when the slot **18** and aperture **26** are aligned, to thus lock the two sections **15** and **22** together in the required position relative to a firearm **23.**

The upper transverse leg portion **17** of the first clip section **15** is also provided with a further block **27** slidably located thereon and which has a depending portion **27***a* which may be of "V" or "U" formation, which can locate in the breech portion **23***a* of a lever action rifle or other firearm (as shown in FIG. **9** of the drawings) or in the bolt receiving portion of the breech **23***a* of a bolt action or like firearm (as shown in FIG. **10** of the drawings) in securing the firearm against loading and being fired. Preferably the further block **27** and depending portion **27***a* is of a soft metal material, such as an aluminium alloy, to avoid damage to the firearm **23.**

It will be seen that a clip in accordance with this invention is adjustable in size and relative positions of its component parts so as to be suitable for use with a variety of lever action or bolt action firearms.

A particular form of the invention has been described by way of example but it will be appreciated that other

variations of and modifications to the invention may take place without departing from the scope of the appended claims, for example the manner in which the detachably engageable end portions of the clip sections are formed may vary. Also it will be appreciated that the clip described is not confined to use with rifles and it can be used with other firearms where it can be fitted in a manner to prevent the firearm from being loaded and fired.

I claim:

1. Means for securing a firearm of the type having a breech area and a breech mechanism against being fired, comprising a clip having first and second clip sections, one of said clip sections being movable away from the other to open said clip, a part of one section of said clip being locatable in the breech area of the firearm to prevent operation of the breech mechanism and the other section of said clip being locatable about the firearm, said first clip section being formed of a flat metal bar bent into substantially an "L" section, both legs of said "L" section being provided with elongated closed end slots extending longitudinally thereof, said second clip section being in the form of an "L" shaped bolt having screw threaded end portions respectively locatable through each of the slots of said first clip section, the screw threaded end portions of said "L" shaped bolt being respectively screw threadedly engaged with screw threaded members engaging with the legs of said first clip section when the screw threaded end portions of said second clip section are respectively located through the slots in said first clip section, whereby said first and second clip sections may be adjustably secured externally of the breech portion of the firearm, one leg of said first clip section having a depending projection which is locatable in the breech area of the firearm, and means for locking said first and second clip sections together when they are located in and about the firearm.

2. Means for securing a firearm as claimed in claim **1,** wherein said locking means comprises a padlock having a bolt portion locatable through the slot of one leg portion of said first clip section and through an alignable aperture in a screw threaded nut engaged on the end portion of said "L" shaped bolt of said second clip section at that slot.

3. Means for securing a firearm as claimed in claim **1** wherein the screw threaded member with which one end portion of said screw threaded "L" shaped bolt is engaged is in the form of a block which is slidably located on the respective leg portion of said first clip section.

4. Means for securing a firearm as claimed in claim **1,** wherein said projection depending from said one leg of said first clip section into the breech area of the firearm extends from a block which is slidably located on said one leg of said first section.

5. Means for securing a firearm as claimed in claim **1** wherein at least the breech engaging projection of the clip is made of a soft metal material.

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