Dec. 11, 1928. 1,695,071

A. M. VILLALPANDO

ATTACHMENT FOR REVOLVERS

Filed March 5, 1928 2 Sheets-Sheet 1

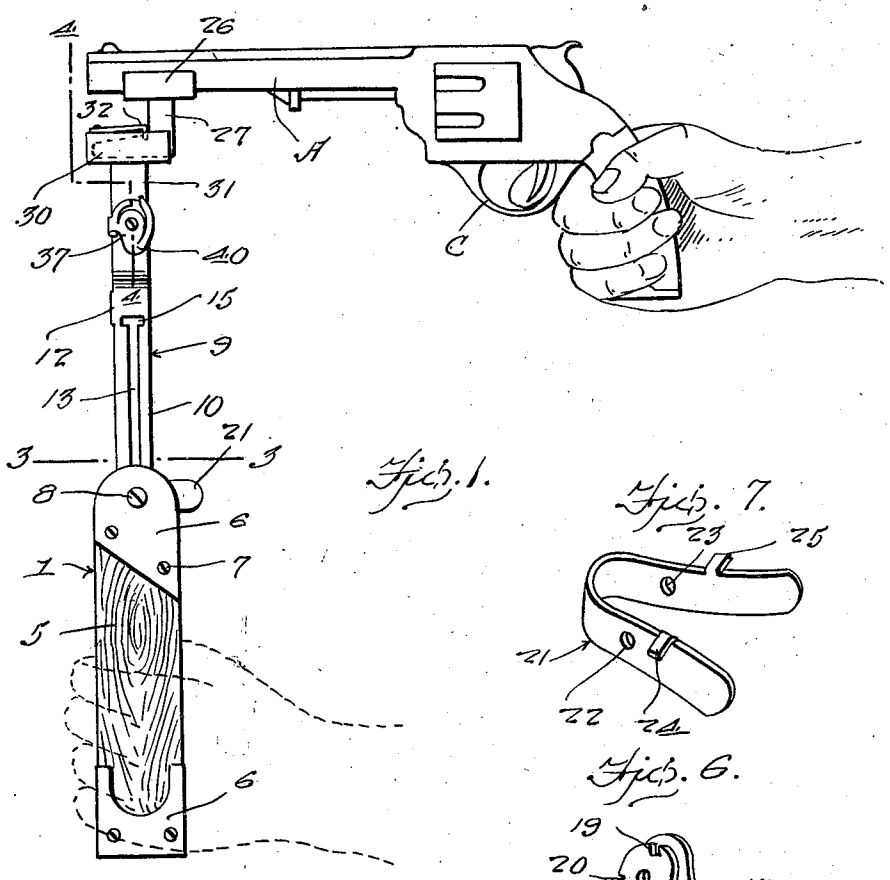


Fig. 1.

Fig. 7.

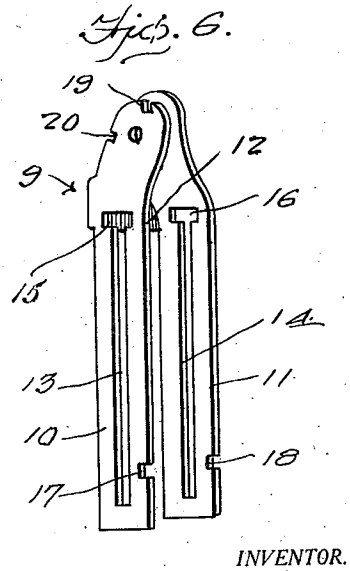


Fig. 6.

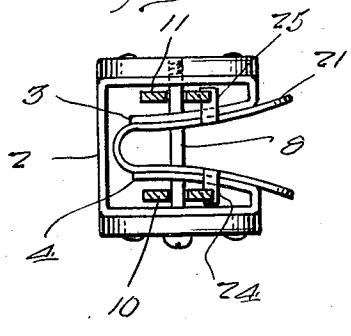


Fig. 3.

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Fig. 7.

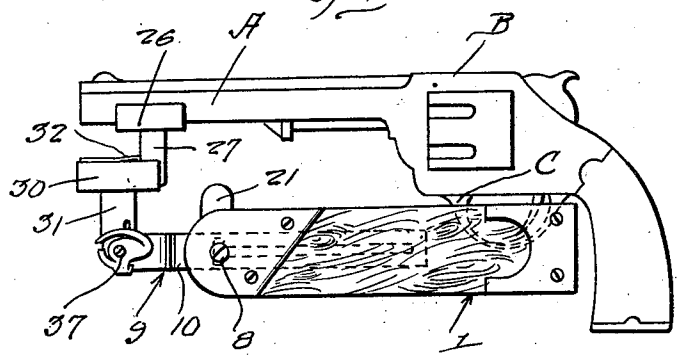


Fig. 5.

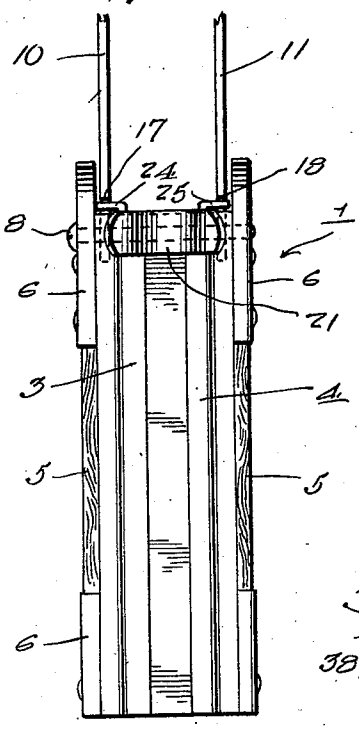


Fig. 4.

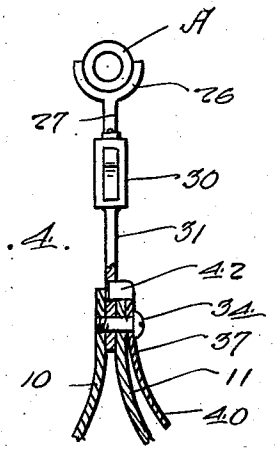


Fig. 8.

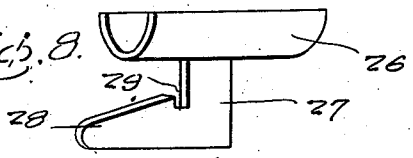
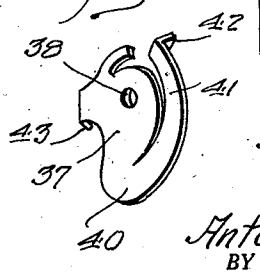


Fig. 10.



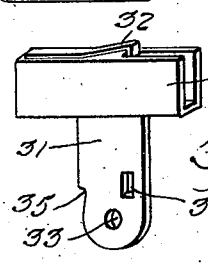


Fig. 9.

Fig. 11.



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Patented Dec. 11, 1928. 1,695,071

UNITED STATES PATENT OFFICE.

ANTONIO MARIAND VILLALPANDO, OF MEXICO CITY, MEXICO.

ATTACHMENT FOR REVOLVERS.

Application filed March 5, 1928, Serial No. 259,276, and in Mexico March 18, 1927.

The present invention relates to an attachment for a revolver with reference more particularly to an auxiliary handle for association with the barrel of the revolver whereby the latter may be held more securely and effectively from any lateral movement or wobbling, when being aimed and fired.

One of the important objects of the present invention is to provide an attachment for a revolver of the above mentioned character wherein the auxiliary handle may be readily and compactly moved against the under side of the revolver when not in use, means being associated with the handle for cooperation with the trigger guard of the revolver for securing the auxiliary handle in its folded inoperative position.

A further object of the invention resides in the provision of an attachment for a revolver of the above mentioned character wherein the handle is of an extensible character, means being provided for permitting the vertical swinging movement of the handle to an operative position, additional means being provided for locking the handle in its operative position.

A still further object is to provide an attachment for a revolver of the above mentioned character which is simple in construction, inexpensive, strong and durable and further well adapted to the purpose for which it is designed.

Other objects and advantages of the invention will become apparent during the course of the following description.

In the accompanying drawings forming a part of this specification, and in which like numerals indicate like parts:

Figure 1 is a side elevation of the attachment showing the same in its operative position with respect to a revolver.

Figure 2 is a similar view showing the handle in its folded inoperative position.

Figure 3 is a sectional view taken substantially upon the line 3—3 of Figure 1 looking downwardly.

Figure 4 is a sectional view taken substantially upon the line 4—4 of Figure 1.

Figure 5 is an enlarged edge elevation of the handle.

Figure 6 is a perspective view of the slidable unit associated with the handle.

Figure 7 is a detail perspective view of the member for locking the slidable unit in its raised position.

Figure 8 is a detail perspective view of the bracket that is secured to the under side of the barrel of the revolver.

Figure 9 is a similar view of the complementary socket member that is carried by the upper end of the slidable unit.

Figure 10 is a detail perspective view of the spring lock washer forming a salient part of the present invention, and

Figure 11 is a detail of a modification of the barrel engaging bracket.

In the drawings wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates generally the auxiliary handle forming a part of my attachment, the same comprising a substantially U-shaped member 2 constructed of metal, the same being of a suitable length the arms thereof have their free edge portions disposed inwardly as illustrated at 3 and 4, respectively, with reference more particularly to Figure 3 to form opposed spring jaws, the purpose of which will be presently described. Wooden pieces 5 are secured on the outer faces of the respective sides of the U-shaped member 2 and to this end, a metallic strip 6 is arranged at each end of the wooden strip on each side of the U-shaped member and is secured to the respective side of the U-shaped member 2 by the fastening elements 7.

A bolt 8 extends transversely through the arms of the U-shaped member 2 and through the opposed spring jaws 3 and 4 adjacent the upper end of the handle, and this feature is more clearly shown in Figure 3.

Also forming a salient part of the present invention is the slidable unit designated generally by the numeral 9 and this unit comprises a pair of parallel spaced bars 10 and 11 that are connected together adjacent their upper ends by the cross piece 12 as shown in Figure 6. The upper ends of these arms gradually converge and are rounded. These bars 10 and 11 are formed with longitudinally extending registering slots 13 and 14 respective within which the bolt 8 is operable, it being understood of course that the unit 9 is adapted for slidable movement in the upper portion of the handle 1.

The upper ends of these slots 13 and 14 communicate with the transversely extending cut out portions 15 and 16 respectively which are located adjacent the connecting portion 12.

The inner edges of the bars 13 and 14 are formed with registering notches 17 and 18

respective adjacent their lower ends for a purpose also to be presently apparent. The rounded upper end of the bar 10 is formed with the notches 19 and 20 respectively as clearly shown in Figure 6.

The slotted bars 10 and 11 are disposed between the sides of the U-shaped member and their respective inwardly disposed portions 3 and 4 and for the purpose of holding the unit 9 in its raised or extended position, there is provided the substantially V-shaped spring member 21 that is disposed between the spring jaws 3 and 4 is formed with the registering openings 22 and 23 in the arms thereof to accommodate the transverse bolt 8 and formed on the upper edges of the spring arms of the outwardly extending tongues 24 and 25 respectively that engage in the notches 17 and 18 of the arms 10 and 11 respectively in the manner as clearly shown in Figure 3 and also in Figure 5. The tongues are disengaged from the notches by grasping the outer ends of the spring arms of the V-shaped member 21 that project beyond the open side of the U-shaped handle and forcing said ends inwardly as readily obvious from the construction shown in the drawings. When the tongues are disengaged from the notches in the slotted bars, the unit 9 is then free to slide downwardly within the handle.

A cylindrical bracket 26 is adapted to be welded or otherwise rigidly attached to the under side of the barrel A of the revolver B adjacent the outer end thereof and depending from the intermediate portion of this bracket is the arm 27 that is formed at its lower end with the laterally extending nose 28, a notch 29 being formed in the upper edge of the nose at the juncture of the same with the arm 27 as more clearly illustrated in Figure 8.

This nose 28 is detachably secured in a suitable socket 30 that is carried by the upper end of the bracket 31 and a spring clip 32 is associated with the socket for cooperation with the notch 29 to lock the nose in the socket against accidental displacement.

The lower end of the bracket 31 is formed with an opening 33 that is adapted to register with similar openings formed in the rounded converging upper ends of the bars 10 and 11 of the slidable unit 9 and between which ends of the bar the lower end of the bracket 31 is disposed. A bolt 34 extends through the registering openings in the upper ends of the bar and the lower end of the bracket 31 as shown more clearly in Figure 4. A shoulder 35 is formed in one edge of the bracket 31 and this bracket is furthermore formed with the opening 36 for cooperation with the notch 19 formed in the upper edge of the arm 10 as will be now more fully described.

The present invention further comprehends the provision of a spring washer 37 that is disposed adjacent the outer face of the upper end of the arm 10 and is provided with an opening 38 to accommodate the bolt 34. The washer is formed with a curved thumb engaging portion 40 with which is operatively associated the spring finger 41 and is formed at its free end with the lateral projection 42 and this projection extends through the notch 19 and into the opening 36 for locking the slidable unit that is carried by the handle 1 in vertical alinement with the bracket 31 whereby the handle will be in proper position for facilitating the use of the revolver.

The spring washer 37 is furthermore formed with the laterally extending lug 43 that cooperates with the shoulder 35 of the bracket 31 to limit the swinging movement of the handle and the slidable unit extending therefrom in one direction.

By pressing inwardly on the thumb engaging portion 40, the spring finger 41 will be actuated to move the laterally projecting portion 42 out of engagement with the opening 36 in the bracket 31 whereby the handle 1 and the extended slidable unit may be swung on the pivot provided by the bolt 34, and when the fingers 24 and 25 are disengaged from the notches 17 and 18, respectively, the slidable unit 9 is moved downwardly in the handle 1, and the hande is then swung rearwardly underneath of the revolver and when the bolt 8 is at the uppermost end of the registering slots 13 and 14, the same will enter the registering lateral or transverse slot 15 and 16, for locking the slidable unit 9 against outward movement with respect to the handle 1 and the spring jaws 3 and 4 will engage with the opposite sides of the trigger guard C of the revolver B whereby the handle 1 will be supported in a folded inoperative position. If desired, the spring catch 32 may be disengaged from the notch 39 and the socket 30 removed from engagement with the nose 28 whereby the auxiliary handle can be entirely removed from the revolver.

In Figure 11 of the drawings, there is shown a modification of the barrel engaging bracket, and this bracket may take the place of the complementary brackets 26 and 31 and is to be associated with the slidable unit 9 in the same manner that the bracket 31 is associated with said unit.

It will thus be seen form the foregoing description that I have provided an attachment for revolvers that will enable the user to properly hold the revolver in order to accurately aim and fire the same, and the handle attachment is of such a construction as not to interfere with the use of the revolver. The simplicity of my attachment enables the parts to be readily and easily adjusted and actuated whereby the handle may be swung to an operative or inoperative position. Furthermore, my improved attachment can be con-

structed at a very low cost and will be strong and durable.

While I have shown the preferred embodiment of my invention, it is to be understood that various changes in the size, shape and arrangement of parts may be resorted to without departing from the spirit of the invention and the scope of the appended claims.

Having thus described the invention, what I claim as new and desire to secure by Letters Patent is:—

1. In an attachment for revolvers, the combination of a bracket secured on the barrel, a handle secured at one end to the bracket for swinging movement beneath the barrel, cooperating means between the bracket and the handle for locking the handle in a rigid vertical position, and additional means carried by the handle for cooperation with the trigger guard to hold the handle in a folded position.

2. In an attachment for revolvers, the combination of a bracket secured on the barrel, a hollow handle, an extensible unit slidable in the upper end portion of said handle, cooperating means between the upper end of said unit and the bracket whereby the unit and the handle may swing beneath the barrel, means for holding the handle in a vertical position, and additional means carried by the handle for cooperation with the trigger guard to hold the handles in a folded position.

3. In an attachment for revolvers, the combination of a bracket secured on the barrel, a hollow handle, an extensible unit slidable in the upper end portion of said handle, cooperating means between the upper end of said unit and the bracket whereby the unit and the handle may swing beneath the barrel, means for holding the handle in a vertical position, said unit being disposed for substantially the greater portion thereof within the hollow handle when the latter is in a folded position, and means carried by the handle for cooperation with the trigger guard to hold the handle in its folded position.

4. In an attachment for revolvers, the combination of a bracket secured on the barrel, a hollow handle, a unit slidable in the upper end of the handle, means for locking the unit in its extended position, said unit being pivotally connected at its upper end to the bracket whereby the handle may be swung to a vertical position, means for locking the extended unit in a rigid vertical position against swinging movement, said unit being disposed for the major portion thereof within the handle when the latter is in a folded position, and additional means carried by the handle for cooperation with the trigger guard to hold the handle in this folded position.

5. In an attachment for revolvers, the combination of a bracket secured on the barrel, a hollow handle, a unit slidable in the upper end of the handle, means for locking the unit in its extended position, said unit being pivotally connected at its upper end to the bracket whereby the handle may be swung to a vertical position, means for locking the extended unit in a rigid vertical position against swinging movement, said unit being disposed for the major portion thereof within the handle when the latter is in a folded position, additional means carried by the handle for the cooperation with the trigger guard to hold the handle in this folded position, said last mentioned means comprising a pair of coacting spring jaws arranged in the hollow handle adjacent the lower end thereof for engagement with the trigger guard.

In testimony whereof I affix my signature.

ANTONIO MARIAND VILLALPANDO.