

UNITED STATES PATENT OFFICE.

FREDERICK S. COCHO, OF COLUMBUS, OHIO.

NOVELTY PISTOL.

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This invention relates to improvements in novelty firearms, and has for its primary object to provide a small, compact, easily carried pistol or weapon of approximately the size and appearance of an ordinary fountain pen in order that the device may be carried conveniently in the pocket of the user in a far more satisfactory manner than can be accomplished with a firearm of standard form.

In accordance with the invention there is provided a novelty firearm consisting of a cylindrical structure of substantially uniform diameter formed to comprise separable barrel, firing pins and stock sections, the barrel section being removable from the firing pin section in order to permit of the insertion or removal of a cartridge into and from the device, while the stock section is provided with a spring actuated plunger which, upon predetermined operation, is adapted to forcibly strike the firing pin, arranged in the firing pin section, so that the firing pin will be brought into contact with the cartridge in order to produce the necessary percussion to explode the latter, the arrangements and construction of the various sections of the device permitting the latter to be of uniform diameter approximately throughout its length so that the idea of compactness in the form of the device may be fully carried out.

Another object rests in the provision of a garment engaging clip which is carried by the stock section of the device by means of which the latter is held in a secured position within the pocket of the clothing of the user. This clip also serves in the additional capacity of a trigger by having a portion thereof formed to engage with the stem of the spring actuated plunger, which projects from one end of the stock section, whereby the clip operates to retain the spring plunger in a set or cocked position so that when the said clip is actuated, in the manner of an ordinary trigger, the spring plunger will be released to permit of its forcible travel into engagement with the firing pin and to thereby permit of the exploding of the cartridge situated within the barrel section.

With these further objects in view, which will be pointed out as the description proceeds, the invention consists in the novel features of construction, combinations of elements and arrangements of parts, hereinafter fully described and particularly pointed out in the appended claims.

In the accompanying drawings:

Figure 1 is a view in side elevation of the improved novelty firing device comprising the present invention,

Figure 2 is a vertical longitudinal sectional view taken through the device,

Figure 3 is a similar view partly in section showing the plunger in retracted position,

Figure 4 is an end elevation as seen from the left of Figure 1,

Figure 5 is a transverse sectional view on the line 5—5 of Figure 2, and

Figure 6 is a transverse sectional view on the line 6—6 of Figure 2.

Referring more particularly to the drawings the number 1 designates my improved novelty pistol in its entirety. The pistol is formed to comprise a plurality of separable, longitudinally aligned sections, the numeral 2 indicating the barrel section of the pistol, the numeral 3 the firing pin section and the numeral 4 the stock section. The barrel and firing pin section 2 and 3 are of the same cross sectional diameter, while the stock section 4, in this instance, possesses a slightly greater diameter. In general, the diameter of the pistol and the complete length thereof compare closely with corresponding dimensions of an ordinary fountain pen.

The barrel section includes the usual longitudinally extending bore 5, and the inner end of this bore is adapted to receive a cartridge or bullet 6, the extreme inner end of the bore being slightly enlarged in order to constitute a seat 7 for the rim of the cartridge. Exteriorly the inner portion of the barrel section is provided with an annular shoulder 8, which terminates in a threaded extremity 9, the latter being receivable within an internally threaded socket 10 formed in the outer end of the firing pin section 3.

The reduced threaded extremity 9 of the barrel section is threadedly received within the socket 10 after a cartridge has been placed in the inner end of the bore 5. This brings the rim of the cartridge into cooperation with a slidable firing pin 11 which is movable longitudinally within a guide opening provided in the section 3. The inner end of the section 3 is exteriorly threaded as at 12 and is adapted to be received within an internally threaded pocket 13 formed in the outer end of the stock section 4.

The stock section 4 has arranged for slid-

ing movement within the pocket 13 thereof a plunger head 14, which is adapted to engage with the inner end of the pin 11 so as to project the latter violently into contact with the rim of the cartridge 6. The plunger head 14 terminates in a longitudinally extending stem 15, which is slidably received within an axial bore provided in the stock section, the inner end of said stem 15 terminating in an enlarged finger engaging portion 16 which is disposed exteriorly of the stock section. It will be seen that by grasping the portion 16 the plunger head may be withdrawn within the pocket 13 so as to be spaced from the firing pin 11. Then by releasing the stem 15 the plunger head acting under the influence of a spring 17, arranged within the stock section, is projected forwardly so as to contact with the pin 11, the latter in turn contacting with the rim of the cartridge or other location, to explode the latter and project a missile through the bore of the barrel section 2.

Arranged on the stock section 4 is a pivoted clip 18, the forward portion of which being provided with a barrel shaped enlargement 19 by means of which the clip serves to secure the device within the pocket of the user after the manner of a fountain pen clip. In addition to this function, however, the inner end of said clip is provided with an inturned lip 20 which resiliently engages with the stem 15. When the stem is retracted against the influence of the spring 17 the lip 20 engages with a groove 21 provided annularly within the stem 15, thereby serving to hold the plunger head in a retracted position against the influence of the firing spring 17. In the use of the device this permits the latter to be held readily within the hands of the user and may be pointed in a weapon like manner. Then by depressing the outer or forward end of the clip 18, the lip 20 is elevated from engagement with the groove 21. This frees the stem 15 and allows the plunger head 14 to respond to the influence of the spring 17, producing the desired impact upon the firing pin 11 to explode the cartridge 6.

In view of the foregoing it will be seen that the present invention provides a simple, compact and effective pistol which may be conveniently carried in the pocket of the user with the same degree of convenience which

accompanies the use or carrying of a fountain pen of ordinary form. It will be understood that the barrel and firing pin sections may be separated for the purpose of inserting a cartridge into or removing the same from the pistol. While I have shown these sections of the pistol secured by means of threads, it will be appreciated that other equivalent locking devices or arrangements may be provided and I therefore do not limit myself to the threaded connection specifically set forth. Similarly, other changes may be made in the specific form of the device illustrated without departing from the spirit and scope of the invention as the latter has been expressed in the following claims.

What is claimed is:

1. In a novelty pistol, a barrel, a spring actuated firing member movable longitudinally of said barrel and projecting from one end thereof, said barrel being of substantially uniform diameter throughout its length, and a movable clip arranged upon one end of said barrel for supporting the latter in connection with the garment of the user, said clip being also adapted for engagement with the firing member to control the opposite movement of the latter.

2. In a novelty pistol, separable barrel, firing pin and stock sections, a spring actuated plunger slidably carried by said stock section, an operating extremity connected with said plunger and extending exteriorly of the stock section, and a garment engaging clip carried by said stock section for retaining the pistol in an upright position within the pocket of the user, said clip being formed for engagement with the operating extremity of said plunger to retain the latter in a retracted position against the influence of a spring.

3. In a novelty pistol, a firing structure of substantially uniform diameter throughout the length thereof, a spring actuated plunger slidably mounted for axial movement in one end of said body structure, and a garment engaging clip mounted on said body structure, one end of said clip being adapted to engage with said plunger to hold the latter in a retracted position against the influence of its spring.

In testimony whereof I affix my signature.

FREDERICK S. COCHO.

Aug. 21, 1928.

1,681,172

F. S. COCHO

NOVELTY PISTOL

Filed April 5, 1928

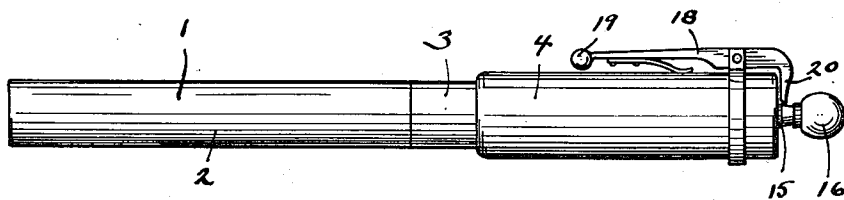


Fig. 1

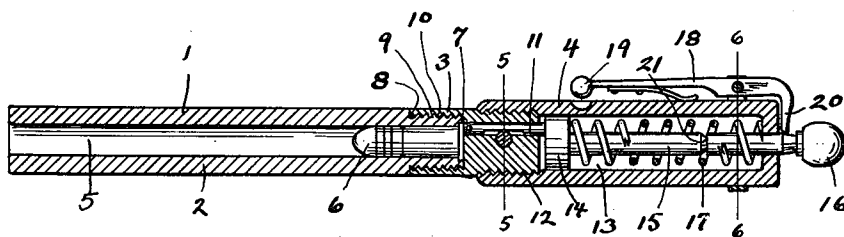


Fig. 2

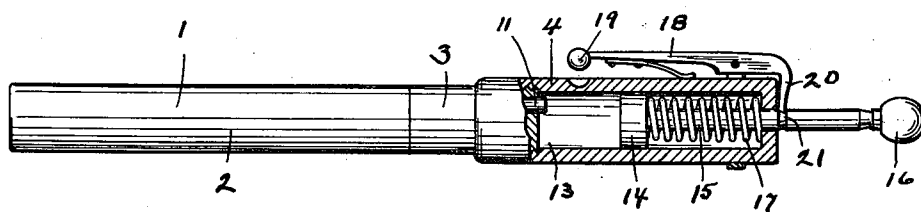


Fig. 3

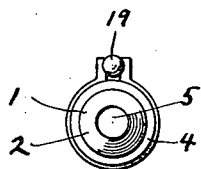


Fig. 4

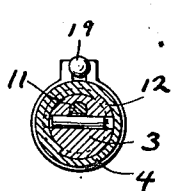


Fig. 5

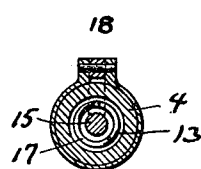


Fig. 6

Inventor

FREDERICK S. COCHO

By *W. O. McDowell*
Attorney