

Feb. 12, 1929.

1,702,221

B. S. PARSONS

FIREARM

Filed Jan. 24, 1928

Fig. 1.

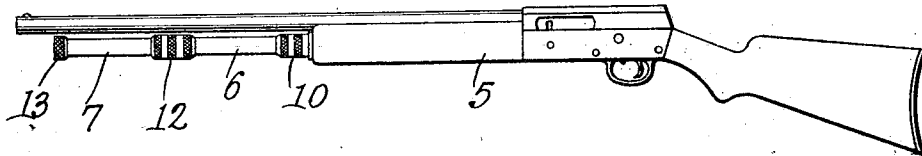


Fig. 2.

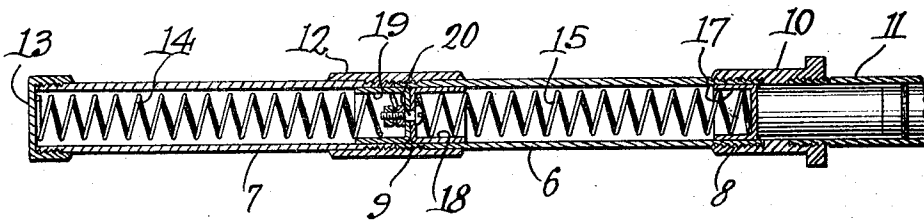


Fig. 3.



Fig. 4.

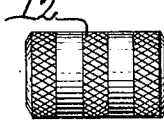


Fig. 5.

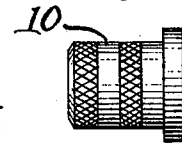


Fig. 6.



Fig. 7.

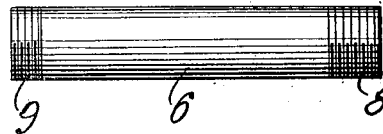
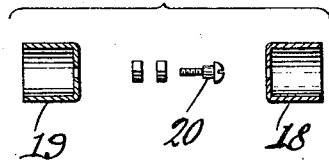


Fig. 8.



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1,702,221

UNITED STATES PATENT OFFICE.

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FIREARM.

Application filed January 24, 1928. Serial No. 249,151.

This invention has reference to extension magazines especially designed for use in connection with automatic firearms, the primary object of the invention being to provide a sectional extension magazine so constructed that the length of the magazine may be changed with facility, thereby adapting the firearm for various usages.

An important object of the invention is to provide means whereby the springs in the magazine extension may rotate when the tubular sections of the extension are being positioned, thereby eliminating any possibility of stretching or twisting the springs while the tubular sections are being rotated during the act of positioning them.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is a side elevational view showing a firearm equipped with an extension magazine constructed in accordance with the invention.

Figure 2 is a longitudinal sectional view through the extension magazine.

Figure 3 is an elevational view of the cap for clamping one end of the extension magazine.

Figure 4 is a side elevational view of the sleeve used for connecting the sections to the extension magazine.

Figure 5 is an elevational view of the coupling that couples the extension magazine to the magazine of the firearm.

Figure 6 is an elevational view of one of the sections of the extension magazine.

Figure 7 is an elevational view of the other section of the extension magazine.

Figure 8 is a view illustrating the spring end caps constructed to rotate with respect to each other.

Referring to the drawing in detail, the reference character 5 designates a firearm or shot gun of the usual and well known construction, the same being of the automatic type.

The device forming the essence of the invention and which is employed in connection

with the magazine of the usual firearm, includes tubular sections 6 and 7 respectively, the section 6 having its ends threaded at 8 and 9, for purposes to be hereinafter more fully described.

The reference character 10 designates a coupling which is threaded on the usual magazine 11, the opposite end of the coupling being threaded on the portion 8 of the section 6.

The sleeve 12 connects the sections 6 and 7 of the extension magazine, the sections being shown as having their adjacent ends threaded to accommodate the sleeve.

The reference character 13 designates a cap that closes the outer end of the extension magazine and at the same time provides a rest against which one end of the coiled spring 14 engages.

Mounted within the sectional magazine are the springs 14 and 15 respectively, the spring 15 being shown as having its inner end resting in the cap 17, the outer end thereof resting in the cap 18. The spring 14 has its outer end resting in the cap 13, while the inner end thereof is secured within the cap 19.

These caps 18 and 19 are secured together by means of the bolt 20 that passes through openings formed in the caps, the connection between the caps 18 and 19 being such as to permit the caps 18 and 19 to pivot with respect to each other, with the result that when one of the sections of the extension magazine is being positioned, the springs together with their caps may rotate, thereby insuring against the springs being distorted to render them inoperative, while the same are being rotated.

From the foregoing it will be obvious that should it be desired to use the section 6 of the extension magazine, it is only necessary to loosen the sleeve 12 and remove it, removing the spring 14 and caps.

The cap 13 may now be positioned on the threaded end 9 of the extension 6 to act as a stop for the coiled spring 15 to hold the coiled spring within the section 6.

The shells are positioned in the magazine in the usual and well known manner, and the springs act in the usual way, the function of the springs being well known to those familiar with the operation of firearms of this type.

I claim:

1. The combination with the main magazine of a firearm, of an extension magazine

including tubular sections, a sleeve for connecting the sections, springs in the magazine extension, caps in which the adjacent ends of the springs are positioned, means for pivotally connecting the spring caps to permit the caps to rotate with respect to each other, and a cap for closing the outer end of the magazine extension.

2. The combination with the main magazine of a firearm, an extension including tubular sections having threads at their ends, a coupling for coupling the magazine extension to the usual magazine, a sleeve for connecting the adjacent ends of the sections, coiled springs mounted in the sections, means for connecting the adjacent ends of the coiled springs to permit the springs to rotate with respect to each other, and a cap for closing the magazine extension.

3. The combination with the main magazine of a firearm, a magazine extension including a sectional body portion, means for

connecting the sectional body portion, coiled springs in the sectional body portion, caps in which the adjacent ends of the springs are held, a bolt passing through the caps for connecting the caps to permit the caps to rotate with respect to each other, and a cap for closing the outer end of the magazine extension.

4. A magazine extension embodying tubular sections, a sleeve positioned over the adjacent ends of the tubular section for connecting the tubular section, coiled springs mounted within the tubular sections, pivotally connected caps supported within the magazine extension and in which the coiled springs are secured, said caps adapted to rotate with respect to each other, and a cap for closing the outer end of the magazine extension.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

BERT STEELE PARSONS.