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M. S. FARBER  
EXTENSIBLE STOCK AND MAGAZINE  
LOADING TOOL FOR FIREARMS  
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2,466,017

Fig. 1.

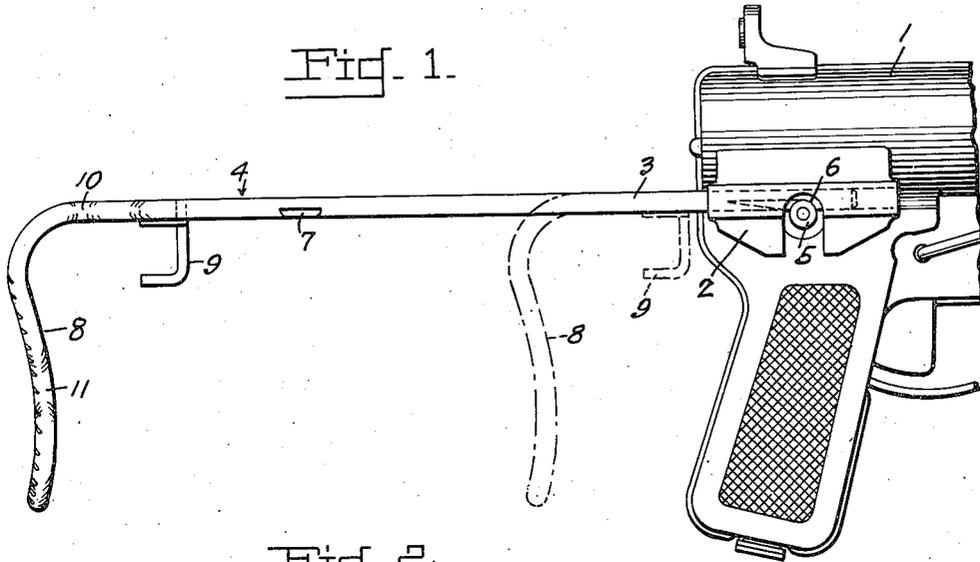


Fig. 2.

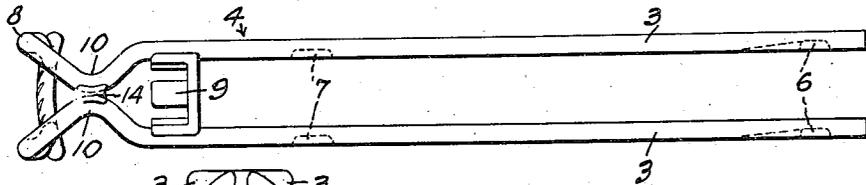


Fig. 3.

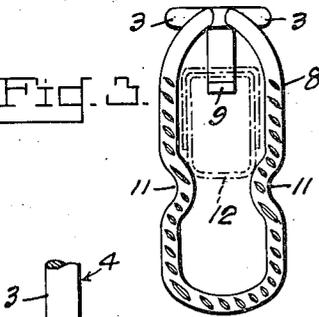


Fig. 4.

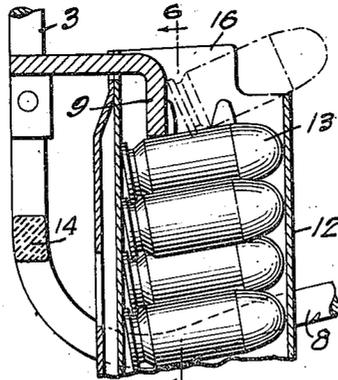


Fig. 5.

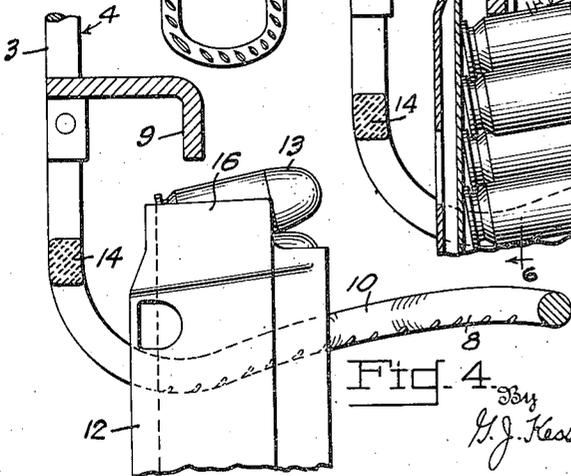
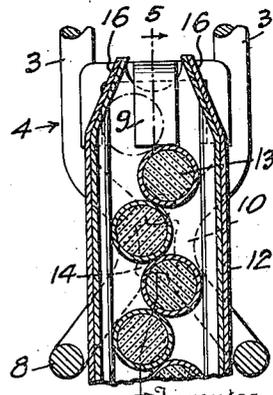


Fig. 6.

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# UNITED STATES PATENT OFFICE

2,466,017

## EXTENSIBLE STOCK AND MAGAZINE LOADING TOOL FOR FIREARMS

Milton S. Farber, Brooklyn, N. Y.

Application February 4, 1948, Serial No. 6,154

2 Claims. (Cl. 42-72)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

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The invention described in the following specification and claims may be manufactured and used by or for the Government for governmental purposes without the payment to me of any royalty thereon.

This invention relates to firearms and its object is to provide an improved extensible stock for multipurpose firearms, such as the U. S. Army submachine gun, cal. .45, M-3. This weapon is provided with an extensible wire stock, permitting shoulder firing as a rifle when extended, and has a pistol grip permitting it be fired as a pistol or from the hip when the stock is collapsed; this weapon uses a magazine assembly, one form of which holds 30 cartridges in a long box, the cartridges being spring pressed upwardly toward the gun when in use.

The primary object of this invention is to provide a collapsible stock of the above type constructed and arranged to facilitate loading of the magazine prior to inserting the loaded magazine into the gun. This loading of the magazine can be accomplished by hand, but, as the spring is quite stiff when the magazine is nearly full, such hand loading is difficult and inconvenient without the use of my loading feature.

The invention consists in the provision of a special loop in the butt of the stock for slideably receiving the magazine and a special hook on the stock so disposed that when the magazine is slid into the loop, it is held against lateral slipping while the hook may be used to exert force on the cartridges in the magazine to compress them against the magazine spring to permit manual insertion of an additional cartridge.

The specific nature of the invention, as well as other objects and advantages thereof, will clearly appear from a description of a preferred embodiment as shown in the accompanying drawings in which:

Fig. 1 is a side elevation view of the rear portion of a gun with the stock of my invention shown in the extended position in solid line and in the collapsed position in dotted line,

Fig. 2 is a plan view of the stock shown in Fig. 1 without the gun,

Fig. 3 is a rear elevation view of the stock, with the outline of a magazine in position for cartridge loading, indicated in dotted line,

Fig. 4 shows the stock ready for use with a magazine,

Fig. 5 is a sectional view on line 5-5 of Fig. 6 showing the cartridges in the magazine compressed by the hook for reception of an additional cartridge, and

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Fig. 6 is a sectional view on line 6-6 of Fig. 5 showing the arrangement of cartridges in the magazine under compression.

The submachine gun 1 is provided with a stock guide 2 on either side for slideably receiving the straight rod portions 3 of stock 4. A spring-pressed stock catch 5 is provided for cooperating with the struck-out portions 6 and 7 of the stock for retaining the stock in either the fully extended position shown or in the collapsed position shown in dotted line. This structure is standard in the submachine gun cal. .45 M-3 and is not a part of my invention. I provide a hook 9, welded or otherwise attached to the rear portion of the stock as shown, and in the butt or shoulder rest 8, I provide means for receiving a magazine 12, said means consisting of pinched-in portions 10 and 11, which define an aperture dimensioned to slideably receive magazine 12. Pinched-in portions 10 may be welded, as shown at 14, to increase the strength and rigidity of the structure.

To load a magazine 12, it is stood on end on any convenient stationary flat surface, and the stock (with or without the gun attached thereto) slid over it as shown in Fig. 4 and depressed until hook 9 presses top cartridge 13 down sufficiently to receive another cartridge under bent in lips 16, as shown in Fig. 5. The spacing between these lips is smaller than the diameter of the cartridges so that when the hook is withdrawn, the top cartridge is retained between the next lower cartridge and lips 16 as shown in Fig. 5. It can readily be pressed back with the finger or thumb to align its nose with those of the lower cartridges from the position of Fig. 5 to that shown in Fig. 3. The hook is then pressed down again on the top cartridge and the operation repeated to load the magazine one cartridge at a time until it is full. The cartridges fall into a staggered arrangement in the magazine, as shown in Fig. 6. A spring (not shown) presses the cartridges upwardly toward lips 16.

In practice the above-described loading operation is both easier and faster than hand loading, and the magazine is positively restrained by the loop formed in the butt or shoulder end of the stock against slipping away laterally from the user. By the simple means described I thus provide in effect an extra very useful tool with no appreciable increase in weight, bulk or the cost of the equipment, and one which cannot be lost or mislaid from the gun but which will always be available when required and yet cannot

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get in the way or require any special kind of attention.

I claim:

1. A collapsible stock for a portable gun, comprising a magazine loading tool formed integrally with said stock, said loading tool comprising an aperture formed in the butt of said stock for slidably receiving a box-type magazine and a hook on said stock constructed and arranged to depress cartridges in said magazine downwardly from the top thereof when said magazine is inserted a predetermined distance into said aperture.

2. The invention recited in claim 1 wherein said stock comprises two straight spaced parallel rods telescopically receivable in a portable gun and a butt portion formed of an extension of

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said rods bent substantially at right angles thereto and joined at a common end, said hook being attached to said rods, said aperture being formed by pinching said rods together near said bent portion and again near said common end.

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REFERENCES CITED

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

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2,424,194	Sampson et al.	July 15, 1947