

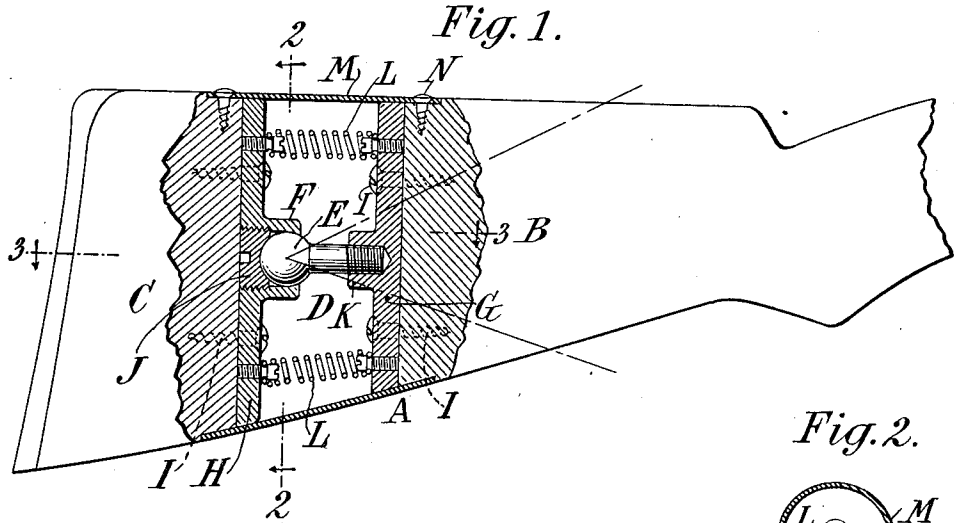
Sept. 18, 1923.

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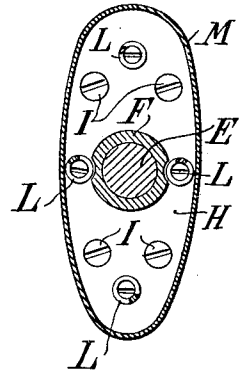
J. F. CARETTO

ADJUSTABLE GUN STOCK

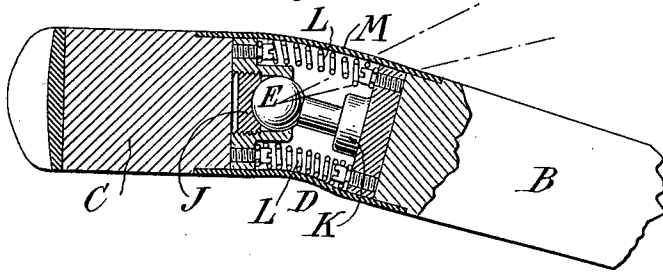
Filed Dec. 7, 1922



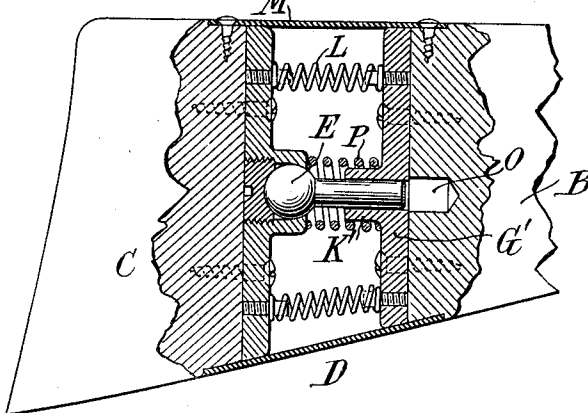
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



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# UNITED STATES PATENT OFFICE.

JOHN F. CARETTO, OF BROOKLYN, NEW YORK.

## ADJUSTABLE GUN STOCK.

Application filed December 7, 1922. Serial No. 605,435.

*To all whom it may concern:*

Be it known that I, JOHN F. CARETTO, a citizen of the United States of America, and resident of the borough of Brooklyn, county of Kings, city and State of New York, have invented certain new and useful Improvements in Adjustable Gun Stocks, of which the following is a specification.

The present invention relates to guns and aims to provide certain improvements therein.

In the use of guns by sportsmen and others it has been heretofore necessary when sighting at a moving target, for the gunner to either shift the position of the butt end of the gun with respect to his shoulder or to move bodily with the gun. Such movements have the tendency of throwing the gun out of true aim at the time of firing. To overcome this tendency I have provided means by which both the butt end of the gun and the gunner may remain stationary while permitting the proper sighting at a moving target.

According to the present invention I accomplish this result by making the gun universally adjustable with respect to the butt end thereof and preferably by forming the gun stock in two parts connected together by a universal joint. I also provide means for maintaining the gun in its normal position with relation to the stock so that the handling thereof is no different from the standard guns now in use. My invention also contemplates the combination of an adjustable stock with means for cushioning the recoil of the gun. Certain other features of improvement are also provided, which will be hereinafter more fully set forth.

In the accompanying drawings wherein I have illustrated the preferred embodiments of my invention;

Figure 1 shows a side elevation of a gun stock embodying my invention, a part being broken away to more clearly disclose the construction.

Fig. 2 is a transverse section taken on the line 2—2 of Fig. 1.

Fig. 3 is a longitudinal section taken on the line 3—3 of Fig. 1 and showing the parts in angular adjustment.

Fig. 4 is a view similar to Fig. 1 showing a modification.

Referring to the drawings let A indicate the gun stock as a whole which comprises

a fore-stock section B, a rear-stock section C and an intermediate section D. The fore-stock section B carries the gun barrel and firing mechanism (not shown); the rear-stock section C is provided with the butt end of the gun and the intermediate section D provides a connection between sections B and C whereby said sections are rendered movable and adjustable angularly and preferably universally with respect to each other. If desirable the rear-stock section may be dispensed with and the connecting section formed with an end adapted to serve as the butt end of the gun.

The universal movement between the stock sections may be provided by any suitable means and by way of example I have shown such means in the form of a ball and socket joint designated in the drawings by the reference letters E and F, respectively. The ball E is herein shown as connected to the stock section B through the medium of a plate G and the socket F connected to the stock section C by the plate H. These plates may be fastened to the respective stock sections in any manner, such as by wood screws I. It is to be understood, however, that the universal joint between the stock sections may be provided in any other manner found to be desirable. As herein shown, the socket F is formed integrally with the plate H and a screw plug J employed to retain the ball within the socket while the ball E is secured to the plate G by being screw threaded into a socket K formed thereon.

It is desirable that the normal position of the stock with relation to the gun be the same as in standard guns, that is to say, the stock, barrel, and firing mechanism should lie in a common plane, and in order to insure this relationship I provide a plurality of springs L between and secured to the relatively movable gun stock sections. I have herein shown four such springs disposed about the cross-sectional contour of the stock as best illustrated in Fig. 2, but it will be appreciated that a larger or smaller number of such springs or other means may be employed for this purpose. The tendency of said springs being to retain their normal configuration it will be obvious that when distorted owing to an angular adjustment of the gun, the springs will upon release of such adjustment bring the stock sections into their normal or alined relation.

In order to prevent the entrance of dirt, moisture and the like to the section D and to enhance the appearance of the gun I prefer to enclose the intermediate section D in a suitable flexible covering M formed of fabric, rubber or the like. The covering M may be secured to the stock sections by suitable fastening means N.

In Fig. 4 I have disclosed a slightly modified form of universal joint connection. Here the extension on the ball E is telescopically connected to the plate G' by being movable in a recess in the socket K' thereon. If desirable said recess may extend into the stock section B as above shown at O. By this arrangement the stock sections B and C are also adapted for relative longitudinal movement with respect to each other, which movement enables the springs L to also function as cushioning means to absorb the recoil of the gun after firing. A spring P encircling the socket K' and seating against the top of socket F may also be employed as additional cushioning means for this purpose.

In view of the foregoing description it is thought that the operation of the device is so clear as to not necessitate further detailed explanation.

While I have shown and described the

preferred embodiments of my invention it will be understood that various modifications may be made therein without departing from the spirit of the invention.

What I claim is:

1. A gun having an adjustable stock and resilient means tending to maintain the gun and stock in their normal position. 35

2. A gun having a two-part stock, a universal joint between said parts and resilient means tending to maintain said parts in alinement. 40

3. A gun comprising a two-part stock, one part of which is movable angularly with respect to the other and resilient means between said parts adapted to cushion the recoil of the gun. 45

4. A gun having an adjustable stock and means tending to maintain the gun and stock in their normal position, said means being also adapted to cushion the recoil of the gun. 50

5. A gun having a two-part stock, a universal joint between said parts and resilient means tending to maintain said parts in alinement, said means being also adapted to cushion the recoil of the gun. 55

In witness whereof I have hereunto signed my name.

JOHN F. CARETTO.