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G. S. LONG.

CUSHION BUTT PLATE FOR FIREARMS.

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1,042,132.

Patented Oct. 22, 1912.

Fig. 1

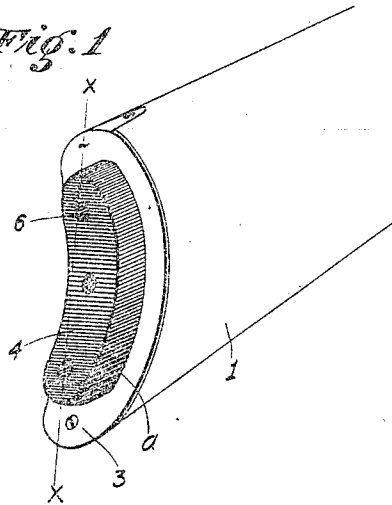


Fig. 2

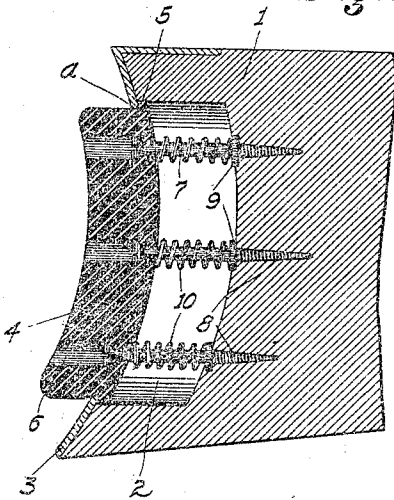


Fig. 3

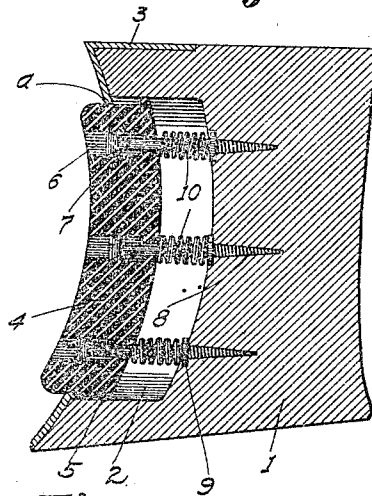


Fig. 4



Witnesses
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UNITED STATES PATENT OFFICE.

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CUSHION BUTT-PLATE FOR FIREARMS.

1,042,132.

Specification of Letters Patent.

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Application filed November 22, 1911. Serial No. 661,918.

To all whom it may concern:

Be it known that I, GEORGE SAMUEL LONG, a citizen of the United States, residing at Lodi, in the county of San Joaquin, State of California, have invented certain new and useful Improvements in Cushion Butt-Plates for Firearms; and I do declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the characters of reference marked thereon, which form a part of this application.

This invention relates to improvements in firearms, and particularly to a butt plate for the stock of the firearms, which butt plate will be shock-absorbing in order to take up the shock of the recoil caused by the shock of the firearm, whereby the shoulder of the shooter will not be injured, and other similar catastrophies will be averted.

A further object of the invention is to produce a simple and inexpensive device, and yet one which will be exceedingly effective for the purposes for which it is designed.

These objects I accomplish by means of such structure and relative arrangement of parts as will fully appear by a perusal of the following specification and claim.

In the drawings similar characters of reference indicate corresponding parts in the several views.

Figure 1 is a perspective view of a fragmentary portion of the stock of the firearm showing my improved butt plate. Fig. 2 is a sectional view of the same taken on a line X—X of Fig. 1. Fig. 3 is a similar view to that shown in Fig. 2 showing the manner in which my improved butt plate would overcome the shock of the recoil of the gun. Fig. 4 is a side elevation of my improved butt plate.

Referring now more particularly to the characters of reference on the drawings, 1 designates the stock of the gun provided in its end with a recess 2. Disposed over the end of said stock 1 is a plate 3 projecting slightly over the sides of the recess 2 as at "a" forming a shelf. Slightly within the recess 2 is my improved butt plate 4 which is preferably made of hard rubber or other flexible material, which en-

gages the overlapping portion "a" on the plate 3, which holds the butt plate 4 in position in the recess 2. The plate 4 has a plurality of recesses in its end through which project screws 7 screwed at one portion as at 8 into the stock of the gun, there being collars 9 on said screws 7 which abut against the bottom of the recess 2 and form a limit at which the screws 8 are held in the stock 1. Disposed around the screws 7 and interposed between the collars 9 and the plate 4 are spiral springs 10.

As will be readily seen, with the shock of the recoil of the gun the stock will move against the springs 10, whereas the plate 4 will be held stationary against the shoulder of the shooter and the springs 9 will take up the shock of the recoil.

From the foregoing description it will be readily seen that I have produced such a device as substantially fulfils the object of the invention as set forth herein.

While this specification sets forth in detail the present and preferred construction of the device, still in practice such deviations from such detail may be resorted to as do not form a departure from the spirit of the invention.

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

A device of the character described, comprising the combination of a stock of a gun, such stock being provided with a recess in its end, a plate disposed over the end of said stock and projecting slightly over the sides of said recess, a plate movable in said recess and having a flange to engage the overlapping edges of said first named plate, the said last named plate being provided with a plurality of recesses, screws projecting into said recesses and engaging said stock, collars on said screws adapted to abut against the end of said stock to limit the movement of said screws into said stock, and springs disposed around said screws and interposed between said last named plate and said collars as described.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE SAMUEL LONG.

Witnesses:

STEPHEN N. BLEWETT,
FRANK H. CARTER.