

M. B. PARKER.
 RECOIL PAD FOR FIREARMS.
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935,163.

Patented Sept. 28, 1909.

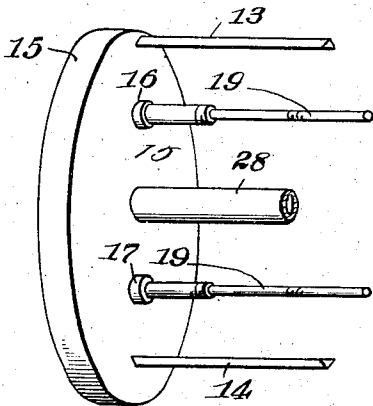
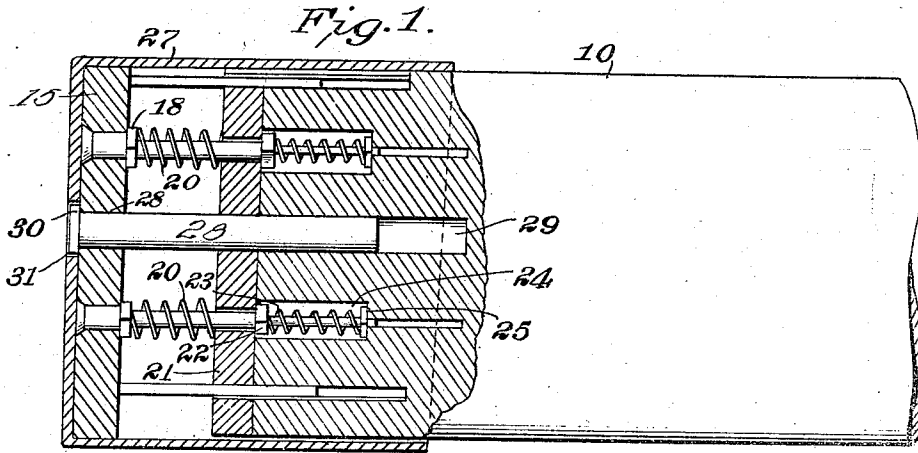
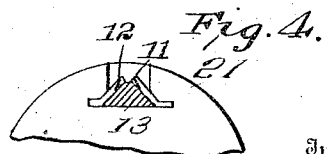
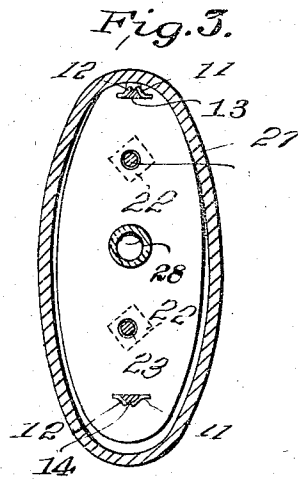


Fig. 2.



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UNITED STATES PATENT OFFICE.

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RECOIL-PAD FOR FIREARMS.

935,163.

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To all whom it may concern:

Be it known that I, MELVIN B. PARKER, a citizen of the United States, residing at Waterville, in the county of Kennebec and State of Maine, have invented certain new and useful Improvements in Recoil-Pads for Firearms, of which the following is a specification.

This invention relates to fire-arms and has particular reference to a recoil pad for the same to protect the shoulder from bruising or injury incident to the firing of the fire-arm.

The invention has for an object the provision of a recoil pad which is simple and inexpensive in its construction, which can be readily applied to the stock of a fire-arm without spoiling the balance of the same or of rendering it clumsy, and which will operate in an effective manner to take the recoil and prevent the unpleasant effects which are frequently caused thereby.

For a full understanding of the invention reference is to be had to the following description and accompanying drawings, in which:—

Figure 1 is a side elevation of the stock of a fire-arm having the recoil pad applied thereto, the same being disclosed in section. Fig. 2 is a detailed perspective view of the recoil pad and its connecting parts. Fig. 3 is a transverse section of the device rearwardly of the stock having the recoil pad applied thereto, and Fig. 4 is a detailed and enlarged transverse sectional view of a portion of the stock having the guides positioned thereon.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawing by the same reference characters.

Referring to the drawing the numeral 10 designates a stock which is of the usual construction and which is provided adjacent its opposite edges with longitudinal guides 11 and 12 which are disposed in pairs and are formed from strips of metal which are bent intermediately of their longitudinal edges and extended inwardly toward one another to form dove-tailed grooves in which the tongues 13 and 14 are inserted. The tongues 13 and 14 are secured at their outer extremities to a plate 15 which conforms in contour to the end of the stock 10 and is adapted for slidable movement therewith by

reason of its connection to the stock 10 through the tongues 13 and 14.

The plate 15 is provided adjacent its opposite ends with bolts 16 and 17 which are headed and engaged inwardly through the plate 15 so as to dispose the heads of the bolts 16 and 17 in countersunk relation in the rear face of the plate 15, the bolts being threaded at a point adjacent the front face of the plate 15 for the reception of clamping nuts 18 which are impinged against the front face of the plate 15 to support the bolts 16 and 17 rigidly in position. The bolts 16 and 17 are provided with reduced portions for the reception of the nuts 18 and about which are disposed coil-springs 20 which are engaged between the clamping nuts 18 and a plate 21 which is secured against the rear end of the stock 10 and through which the bolts 16 and 17 are passed.

The reduced portions 19 are threaded at their rear ends for the reception of nuts 22 which are carried thereby and adapted for engagement normally against the front face of the plate 21 to prevent the withdrawal of the bolts 16 and 17 under the tensions of the springs 20. The bolts 16 and 17 are further reduced at their forward extremities adjacent the nuts 22 about which are disposed coil-springs 23 which are of reduced proportions to the springs 20 and which are engaged in bores 24 formed forwardly from the rear of the stock 10, the bores 24 terminating in reduced portions for the reception of the front ends of the bolts 16 and 17 to guide the same and to form shoulders against which disks 26 are impinged to support the front ends of the springs 23. The disks 26 are loosely mounted about the bolts 16 and 17 adjacent the forward extremities and are normally retained against the shoulders 25 under the tensions of the springs 23 which are engaged at their opposite extremities against the nuts 22 thereby normally holding the bolts 16 and 17 rearwardly to support the plate 15 in spaced relation from the rear end of the stock 10. A shield 27 is employed which comprises a hollow member so formed as to conform to the contour of the stock 10 and plate 15 and which is secured to the rear face of the plate 15 for movement therewith in order to present a neat appearance and to cover the springs 20 and tongues 13 and 14 to protect the same from dust or the like. The

shield 27 is disposed in sliding relation upon the rear end of the stock 10 and is permitted a slidable movement upon the recoil of the fire-arm.

5 It is readily seen that when the stock 10 is recoiled the plate 21 is carried therewith as well as the shoulders 25 to cause the compression of the springs 20 and 23 which admit of the forward movement of the plate 15 toward the end of the stock 10 and thereby forms a cushioning device for breaking the force which is incident to the firing of the fire-arm. The tongues 13 and 14 by reason of their engagement with the guides 15 11 and 12 retain the plate 15 in rigid position to prevent the lateral movement or rotation of the same to cause a strain upon the bolts 16 and 17. A tube 28 is mounted in the end of the stock 10 in a bolt 29 formed for the same, the outer end of the tube 28 being headed as at 30 and engaged against the rear face of the plate 15 through the end of the shield 27. The tube 28 is provided with a suitable closure 31 which admits of the insertion of small implements or the like usually employed about a gun for cleaning the same and for keeping the fire-arm in adjusted relation. The tube 28 is slidably disposed in the bore 29 and permitted a longitudinal movement therein during the recoil of the stock 10.

Having thus described the invention what is claimed as new is:—

35 1. A device as specified comprising a stock having a plurality of bores formed therein, a plate spaced rearwardly from said stock, bolts carried by said plate, springs disposed about said bolts, a second plate carried by said stock for engagement with the front ends of said springs, nuts disposed on said bolts 40 intermediately thereof for engagement

against the forward face of said second plate to limit the longitudinal movement of said bolts, a second set of springs disposed about said bolts on their inner extremities and engaged against said nuts, shoulders 45 formed in bores in said stock, disks disposed about said bolts for engagement against said shoulders, said disks being engaged against the forward ends of said second set of springs and a shield carried by said first plate and loosely engaged over said stock. 50

2. In a device as specified the combination with a stock of a plate mounted on the end of said stock, shoulders formed in said stock in bores formed therein, a second plate spaced from said plate, tongues carried by said second plate having inclined sides, guides formed on said stock for engagement with said tongues to support the same, bolts 60 carried by said second plate and engaged through said first plate and into said stock, and springs carried by said bolts engaged between said plates springs on said bolts between said first plate and said shoulders and a shield carried by said second plate for covering such mechanism. 65

3. The combination with a stock of a plate rearwardly positioned from said stock, bolts carried by said plate and engaged in said stock, a pair of springs disposed on each of said bolts in spaced relation and a second plate loosely engaged about said bolts between said springs, said plate being secured to said stock. 70

In testimony whereof I affix my signature in presence of two witnesses. 75

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