

W. R. JORGENSEN.
 RECOIL PAD FOR GUNS.
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1,156,293.

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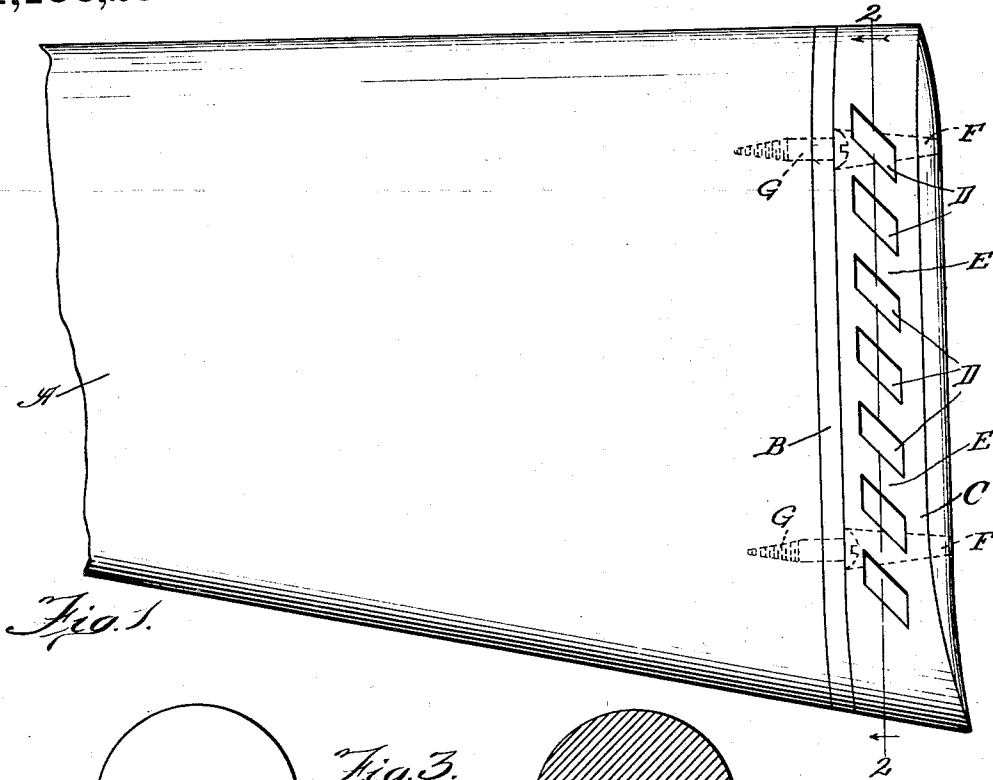


Fig. 1.

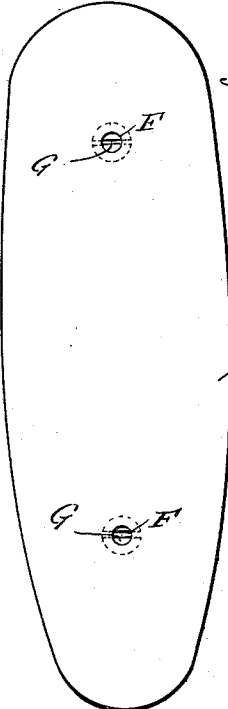


Fig. 3.

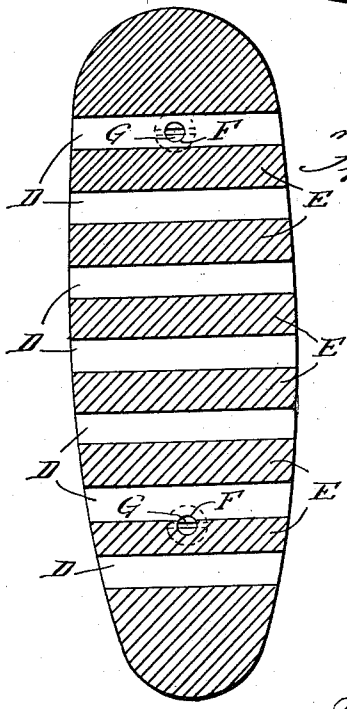


Fig. 2.

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RECOIL-PAD FOR GUNS.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WALTER R. JORGENSON, a citizen of the United States, residing at Chicago, in the county of Cook and the State of Illinois, have invented a certain new and useful Improvement in Recoil-Pads for Guns, of which the following is a specification.

The object of my invention is to produce an improved form of cushion possessing resiliency to a greater extent than those now in use; to incorporate the advantages of pneumatic, spring and sponge-rubber recoil-pads, without employing any of them, thereby avoiding the use of air, which requires a pump and constant attention; the use of springs, which rust, break and get out of good working order, and also the use of sponge-rubber, which is very fragile and easily tears, breaks and wears away when used and which is also expensive to manufacture.

My invention makes use of a soft-rubber piece or cushion and a hard-rubber base plate, vulcanized together to form one body or piece.

My invention contemplates the employment of preferably oblong holes cut entirely through the soft-rubber cushion and slanting at an angle of preferably forty-five degrees toward the toe and the heel of the soft-rubber cushion, with partitions or walls between the oblong holes, which give or fold each on the other and act in unison when the gun is discharged and pressure is brought to bear on the surface of the pad, and spring back in their normal position when the pressure is relieved, thereby taking up the shock ordinarily felt by the person firing the gun, and further reducing or eliminating the upward whip or motion of the muzzle of the gun, thus keeping the muzzle in the correct position for successive discharges.

It is an established fact that the muzzle of a gun whips upward at the time of discharge, causing the stock, or shoulder piece, to move down, the hand of the person firing the gun acting as a pivot. When pressure is brought to bear on the cushion, the slanting walls or partitions, slanting upward from the surface toward the back of the cushion, lap or fold on each other and force the stock or shoulder piece of the gun upward and

thereby forcing the muzzle down, the hand of the person firing the gun acting as a pivot. It will be readily understood that round or square holes in the cushion could not bring about this result.

My invention will be more readily understood by reference to the accompanying 60 drawings.

Figure 1, is a side elevation; Fig. 2, is a section on the line 2—2 of Fig. 1; Fig. 3, is an end elevation.

In the drawings, Fig. 1, the letter A indicates the butt end of an ordinary gun stock; B the hard-rubber plate; C the soft-rubber cushion; D the oblong holes, slanting at an angle of preferably forty-five degrees in line with the stock; E the walls or partitions between the holes; F the tapering screw-holes which narrow toward the surface of the cushion and widen toward the back.

In Fig. 2, which is a section through the soft-rubber cushion C, cut on line 2—2 of Fig. 1, showing the oblong holes cut entirely through the soft cushion. F indicates a wide opening at the base of the soft cushion C, to give room for the screw-head.

I propose to attach a pad to a gun by using ordinary screws. These screws pass entirely through the soft-rubber cushion and the hard-rubber base and into the stock of the gun as shown on the drawing.

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

A recoil-pad having a soft-rubber cushion with oblong holes cut entirely through the cushion and slanting at an angle of, preferably, forty-five degrees toward the toe and the heel of the cushion, leaving partitions or walls of rubber between the holes, which fold each on the other and act in unison when the gun is discharged and pressure is brought to bear on the surface of the pad, and spring back in their normal position when the pressure is relieved, thereby taking up the shock ordinarily felt by the person firing the gun, the cushion being mounted on a suitable base for attachment to a gun.

WALTER R. JORGENSON.

Witnesses:

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ROBERT A. BURTON.