Jan. 5, 1932. S. T. ANDERSON 1,839,856

GUN RECOIL PAD

Filed March 10, 1930

Fig. 1

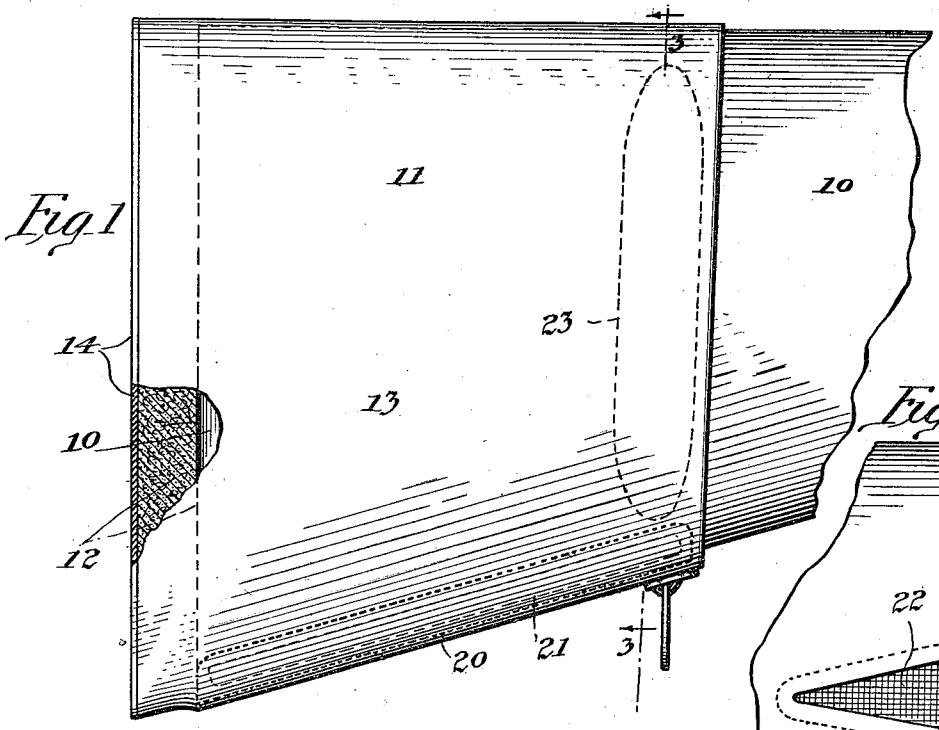


Fig. 5

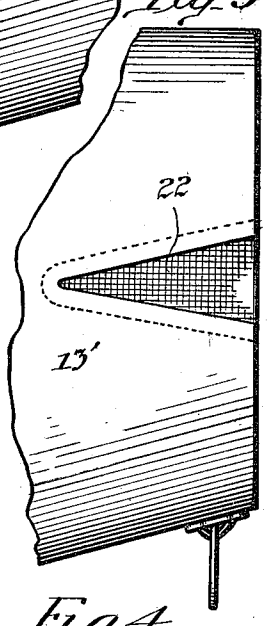


Fig. 2

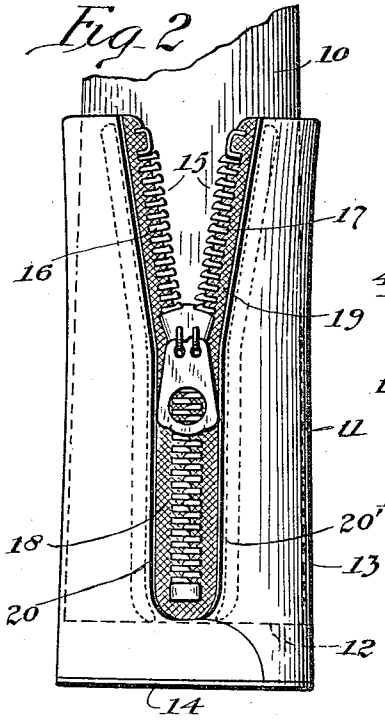


Fig. 3

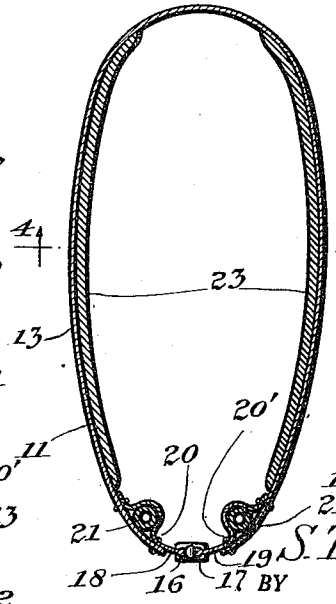
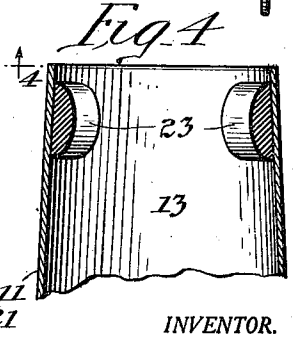


Fig. 4



INVENTOR.

S. Theodore Anderson

BY

John P. Bregina

ATTORNEY.

Patented Jan. 5, 1932 1,839,856

UNITED STATES PATENT OFFICE

SIEVERT THEODORE ANDERSON, OF CHICAGO, ILLINOIS; ALMA K. ANDERSON, ADMINISTRATRIX OF THE ESTATE OF SAID SIEVERT THEODORE ANDERSON, DECEASED, ASSIGNOR TO RED HEAD BRAND COMPANY, OF CHICAGO, ILLINOIS, A CORPORATION OF ILLINOIS

GUN RECOIL PAD

Application filed March 10, 1930. Serial No. 434,596.

My invention relates to a gun stock recoil pad and particularly to a recoil pad having resilient cushioning means at the rear or shoulder side of the gaiter and also having resilient means longitudinally adjacent the proximal edges of the gaiter sides and on the inside surface thereof, said gaiter being adapted to be fitted and secured upon the rear end of a gun stock.

The object of this invention is the provision of a gun recoil pad having convenient means for securing the pad on the gun stock such as a zipper.

A further object of my invention is the provision of means to render a recoil pad of a uniform and unchanging dimension adaptable to snugly and firmly fit gun stocks of varying taper.

Another important object of the invention is the provision of a gun recoil pad having resilient cushioning means adjacent its closing means and on its sides to hold the sides of the pad gaiter taut and firm about a gun stock, thereby preventing movement of the gun stock within the pad when the gun is being fired.

A further important object of the invention is the provision of means within the pad gaiter to protect the gun stock surface against scratching of various fastening means.

Other and further important objects of this invention will be apparent from the disclosures in the specification and the accompanying drawings.

This invention (in a preferred form) is illustrated in the drawings and hereinafter more fully described.

On the drawings:

Fig. 1 is a side elevational view of the gun recoil pad and gaiter showing a broken section of the gun stock and resilient inside pads in dotted lines.

Fig. 2 is a view showing the under-side of the recoil pad and the proximal edges of the two sides partially connected by a zipper.

Fig. 3 is a cross section view taken on line 3—3 of Fig. 1 showing in cross section yieldable cushion means adjacent the proximal edges of the gaiter sides.

Fig. 4 is a view in cross section taken on the line 4—4 of Fig. 3 showing the resilient side strips in section.

Fig. 5 is a side view showing a modified form of recoil device having a gaiter side partially comprised of an elastic web.

As shown on the drawings:

The reference numeral 10 indicates a portion of a gun stock of conventional shape protruding from a recoil device 11. Lying against the end of the gun stock 10 and held firmly thereagainst is a cushion 12 of sponge rubber or like resilient material, said cushion 12 being secured to and held in place within a gaiter 13 by gluing or other securing means. Corresponding in size and shape to the rear face of the cushion 12 is a gaiter-back 14 which is preferably glued to the rear face of cushion 12 and has its peripheral edge secured to the circumferential edge of the gaiter 13, thereby forming a receptacle for the gun stock 10.

The gaiter 13 is of smaller circumference at its forward than at its rear end to conform to the shape of the butt portion of a gun stock and is preferably made of soft pliable material such as leather. Said gaiter 13 has a longitudinal opening 15 extending from the forward peripheral edge to a point near the forward face of cushion 12. The opposing members 16 and 17 of a zipper are attached to the proximal edges of said gaiter side in the following manner. To each of the opposing zipper members 16 and 17 are stitched fabric strips 18 and 19 respectively, which extend the full length of each zipper member, said strips 18 and 19 having their free longitudinal edges stitched to the adjacent edges of the gaiter side. The zipper is closed in a manner well known in the art. The foregoing construction provides a convenient closing means for connecting the adjacent edges of the gaiter side to secure the recoil device upon a gun stock.

As shown in Fig. 3, resilient pads 23, preferably of sponge rubber, are cemented or glued to the inside surface of the gaiter 13 on each side thereof and serve as additional means to hold the gaiter and recoil device taut about the gun stock and to render it adjustable to fit varying sizes of gun stocks.

Gun stocks of different manufacturers differ in size and taper, and in order to provide an adjustable recoil device having zipper closing and securing means and which will snugly fit gun stocks of varying taper I provide the following construction. After the canvas strips 18 and 19, each of which has one edge stitched to its zipper member, are placed in position along the adjacent edges of the gaiter 13, a single row of stitching 20 and 20′ is passed therethrough adjacent each zipper member, said stitching securing strips 18 and 19 to the adjacent edges of gaiter 13.

Between each free edge of the strips 18 and 19 and the sides of gaiter 13 and adjacent each row of stitching 20 and 20′ I place a piece of resilient rubber tubing or sponge rubber strip 21. I then press the free edge of each of the fabric strips 18 and 19 over said resilient strips and stitch each of said free edges to the respective sides of gaiter 13, thereby securing said resilient strips to the gaiter.

Fig. 5 discloses a modified form of my invention which embodies, in addition to the foregoing construction, a gaiter 13′ having a V-shaped section cut from each side thereof. An elastic fabric 22 of triangular shape is stitched along its edges in said cut-away portion to secure it to said gaiter. This provides an elastic gaiter which is adjustable to snugly fit various sizes of gun stocks.

It will be evident that I have provided a recoil device which is adjustable with respect to gun stocks of varying taper and which will fit the same snugly to prevent undesirable gun movement when the same is fired.

I am aware that many changes may be made and numerous details of construction may be varied through a wide range without departing from the principles of this invention, and I therefore do not purpose limiting the patent granted hereon otherwise than necessitated by the prior art.

I claim as my invention:

1. A recoil device for gun stocks comprising a gaiter, releasable interlocking zipper means on the two adjacent proximal edges of said gaiter, a resilient pad mounted in said gaiter; a gaiter-back secured to the rear side of said resilient pad, and a resilient strip on the inside surface of each of said proximal edges.

2. In a recoil device for gun stocks, a gaiter-side having an opening extending substantially from one opposed edge to the other; interlocking releasable fastening means on the adjacent edges of said opening; a resilient pad mounted in said gaiter-side; a gaiter-back secured on the rear of said pad, and resilient cushion means disposed inside of and adjacent the proximal edges of the gaiter-side opening.

3. A recoil device for gun stocks comprising a resilient pad, a wall member forming a gaiter-side and having one edge secured to said resilient pad to form a receptacle for a gun stock, said wall member being slit longitudinally; interlocking releasable means on the edges of said opening, and resilient cushions within said receptacle cooperating with said releasable interlocking means to render the receptacle adjustable to different size gun stocks.

4. A recoil device for gun stocks comprising a resilient pad, a cover member adapted to encircle the gun stock, said pad being mounted in said cover member, interlocking releasable means on the proximal edges of said cover member adapted to secure the same on a gun stock, and a resilient cushion adjacent said proximal edges adapted to contact the gun stock and effect a snug fit for gun stocks of varying sizes.

5. A recoil device for gun stocks comprising a resilient pad; a cover member adapted to encircle said pad and be secured thereto, said cover member terminating in two adjacent edges forming a longitudinal opening; releasable means on said adjacent edges to secure the same together, and resilient pads within said cover member cooperating with said releasable securing means to render the recoil device adjustable to gun stocks of varying sizes.

6. A recoil device for gun stocks comprising a resilient pad; a cover member adapted to encircle said pad and be secured thereto, said cover member terminating in two adjacent edges forming a longitudinal opening; releasable means on said adjacent edges to secure the same together; a resilient pad disposed within said cover member and along each of said adjacent edges, and a fabric strip upon each of said pads having its opposed edges stitched to the cover member to secure said pads therein.

7. A recoil device for gun stocks comprising a resilient pad, a cover member adapted to encircle said pad and be secured thereto, said cover member terminating in two adjacent edges forming a longitudinal opening; releasable means on said adjacent edges to secure the same together; and an elastic strip secured to and forming a part of the cover member wall to render the recoil device adjustable as to size.

In testimony whereof I have hereunto set my hand this 24th day of February, 1930.

S. THEODORE ANDERSON.