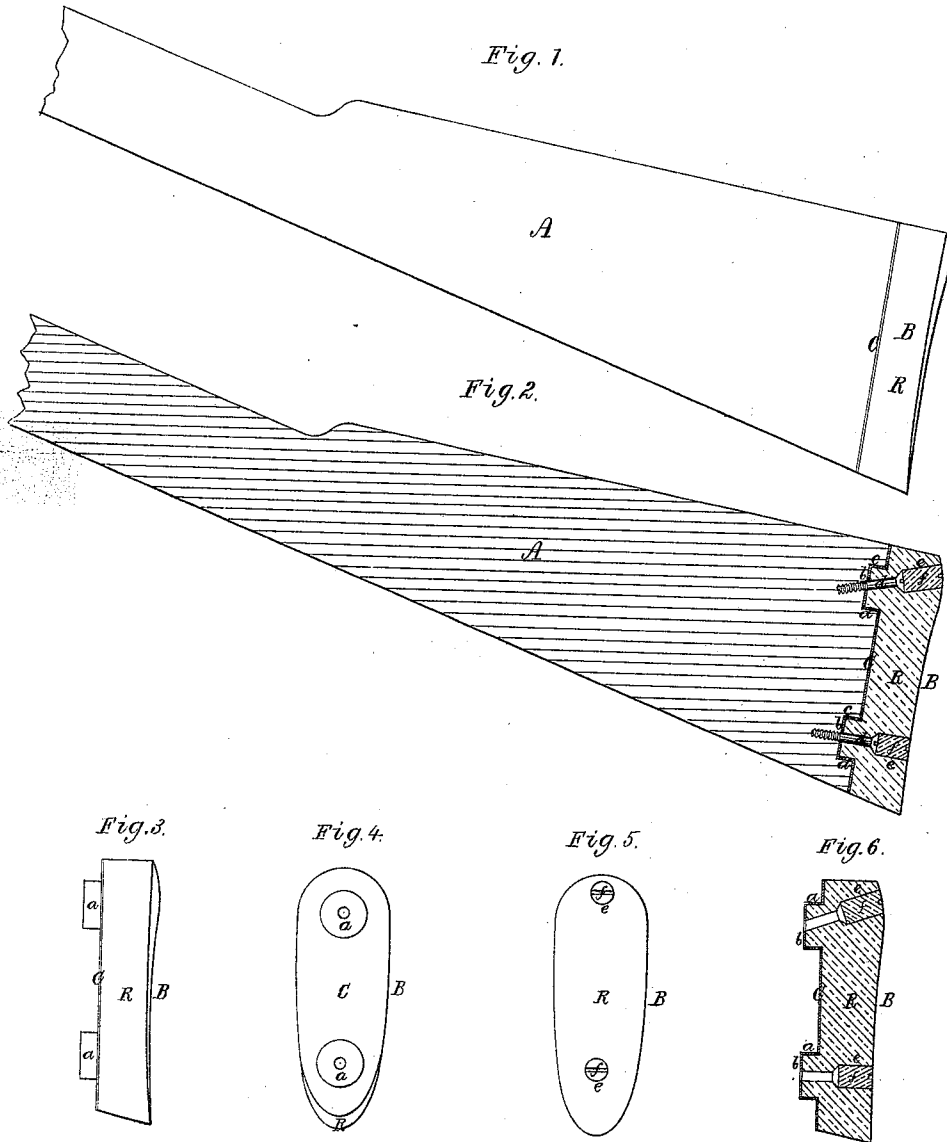


W. SCOTT.

Elastic Attachments to Butts of Fire-Arms.

No. 150,717.

Patented May 12, 1874.



Witnesses
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UNITED STATES PATENT OFFICE.

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IMPROVEMENT IN ELASTIC ATTACHMENTS TO BUTTS OF FIRE-ARMS.

Specification forming part of Letters Patent No. **150,717**, dated May 12, 1874; application filed February 4, 1874.

To all whom it may concern:

Be it known that I, WALTER SCOTT, of Birmingham, of the county of Warwick, England, have made a new and useful invention having reference to Fire-Arms or Guns; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 denotes a side view, and Fig. 2 a longitudinal section, of a gun-stock provided with my invention. Fig. 3 is a side view, Fig. 4 a front elevation, Fig. 5 a rear view, and Fig. 6 a longitudinal section, of the breech-bunter separate from the stock.

My invention relates to an elastic bunter or cushion applied to the butt of a gun-stock to protect the shoulders of a person, sportsman, or soldier from the disagreeable or injurious effects of "kicking" or recoil of a gun induced by discharge of the piece. Such an elastic bunter also has a further purpose or purposes—viz., the prevention of noise and jar of the gun, and the injurious or dangerous effects of such jar when the breech is dropped suddenly upon the ground, or a pavement or floor. The nature of my invention consists in the bunter-supporter tenoned into the stock and fastened thereto by screws going through the tenons and the elastic bunter or cushion, all as hereinafter specified; also, in a support-plate and tenons therefrom combined with the elastic cushion, all as hereinafter explained; also, in the elastic bunter provided with screw-receiving cavities and elastic stoppers therefor, all as hereinafter specified; also, in the rubber or elastic cushion, combined with the stock by means of the tenoned support-plate and screws, and with elastic plugs inserted within such cushion, or in its screw-cavities, all being as hereinafter explained; also, in the base-plate, provided with hollow or chambered tenons, as and to receive and support the rubber cushion and hold it to the stock, all as hereinafter set forth.

In carrying out my invention I combine with the gun-stock at the heel of the breech, by means of a tenoned plate and screws, an elastic bunter or mass of india-rubber of the desirable shape. The rubber I usually employ

for the purpose is that known as "vulcanized," preferring such as is known in commerce by the term "junction rubber."

In the drawings, A denotes a gun-stock, and B the elastic bunter, of which C is the connection-plate, the latter being formed or provided with two hollow cylindrical or other proper-shaped and chambered tenons, *a a*, projecting from it, as shown. Each tenon opens through the plate, and is closed at bottom, or at its outer end, as shown at *b*. The periphery of the plate corresponds to that of the breech of the stock. The elastic or rubber part R of the bunter is fixed to the outer surface of the plate and extended into the tenons, which serve to keep it in its normal position, or both from lateral or longitudinal movement on the plate, as well as from separating therefrom. These tenons enter corresponding cavities or mortises *c c* made in the stock, and are held to the latter by screws *d d*, which go through the bases of the tenons and screw into the stock. From each of the tenons or its screw-hole there is formed laterally through the elastic rubber part R of the bunter a cylindrical cavity, *e*, provided with a corresponding cylindrical rubber or elastic plug, *f*, whose outer end should or may be nicked in resemblance of a screw-head. The cavities *e e* are necessary to effect the introduction of the fastening-screws through the base-plate tenons and into the stock, the cavities being afterward plugged by the elastic stoppers *f f*.

If desirable, glue or cement may be employed in fixing, or for aiding in fixing, the base-plate to the stock.

Any well-known and sufficient means may be adopted for connecting or fixing the mass of rubber to the said base-plate. Such may be done by casting the rubber against the plate in a mold, and causing the rubber to adhere to the plate, and extend into its cups or hollow tenons. The plate may be provided with small spaces or projections to aid in fixing the rubber to it.

The elastic plugs fitting tightly in the cavities readily maintain their places, and may be easily extracted whenever it may be desirable with a screw-driver to get at the heads of the

screws. It is necessary for the plugs to be elastic; otherwise injury might be done by them to the shoulder of the gunner or soldier under recoil of the gun.

The base-plate enables the breech part of the gun-stock to be finished down into continuation with the contour of the bunter, and, besides, it, with its chambered tenons, not only aids in holding the mass of rubber in place, but in fixing it to the stock, the whole constituting a durable, efficient, practical, and valuable addition to a gun, it being a source of such relief from the blow or jar of recoil at the shoulder as to enable a person, by means of it, to shoot any length of time with perfect ease and comfort.

I do not claim a yielding breech or bunter

applied to the butt of the stock of a gun, such being old; but

What I claim is—

1. The combination of a gun-stock, A, and the elastic bunter B, substantially as set forth, the two being secured together by screws going through the base-plate, and its hollow tenons inserted in mortises, all as specified.

2. The improved means of uniting the elastic bunter to the gun-stock, the same consisting of the plate C, having the tenons *a a* inserted in the mortises *b b*, and secured by screws *d d*, covered by the elastic plugs *f f*, all in the manner described.

Witnesses:

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