

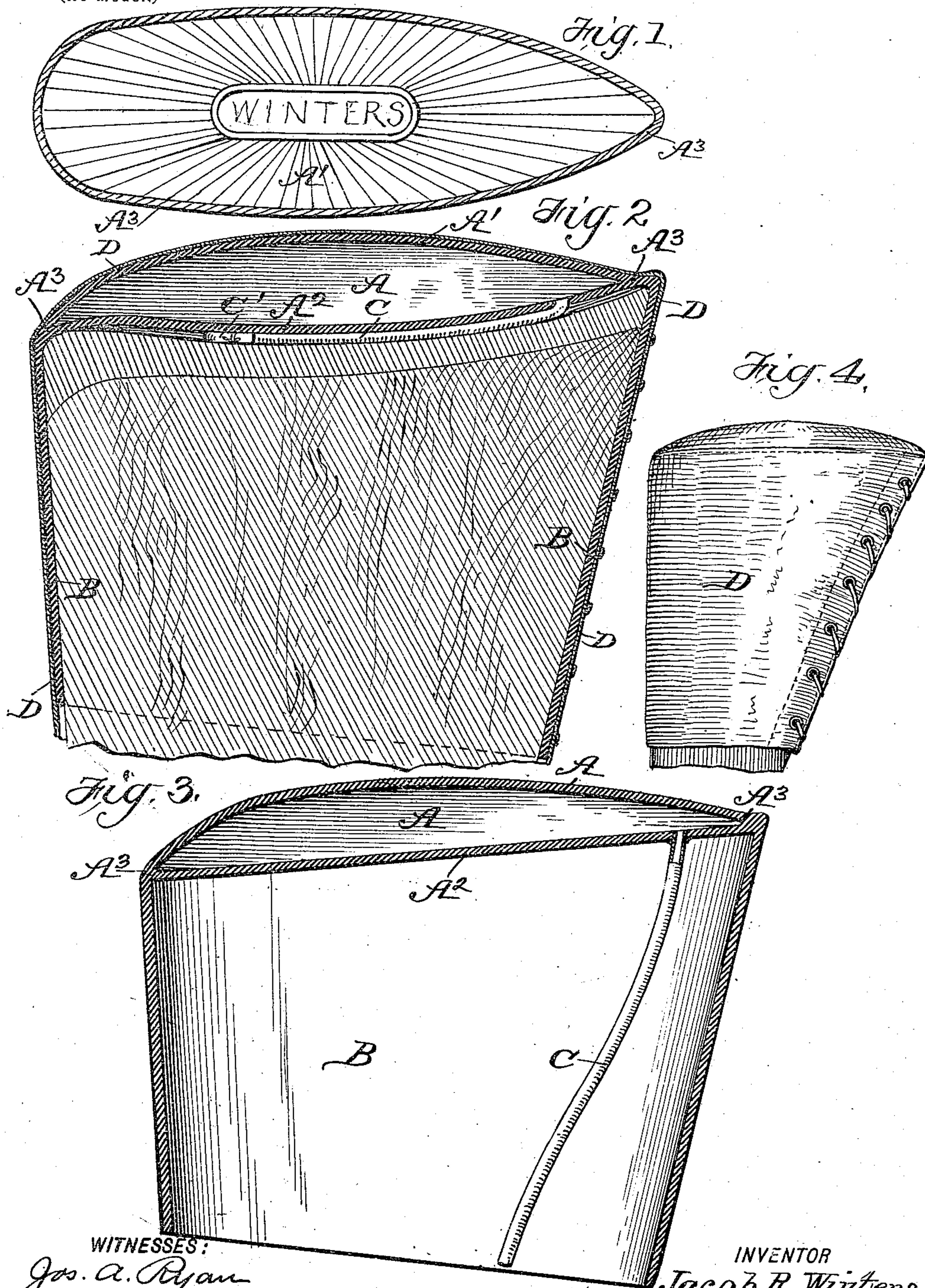
No. 699,608.

Patented May 6, 1902.

J. R. WINTERS.
RECOIL PAD FOR GUNS.

(Application filed July 23, 1901.)

(No Model.)



WITNESSES:
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UNITED STATES PATENT OFFICE.

JACOB R. WINTERS, OF CLINTON, MISSOURI.

RECOIL-PAD FOR GUNS.

SPECIFICATION forming part of Letters Patent No. 699,608, dated May 6, 1902.

Application filed July 23, 1901. Serial No. 69,382. (No model.)

To all whom it may concern:

Be it known that I, JACOB R. WINTERS, a citizen of the United States, residing at Clinton, in the county of Henry and State of Missouri, have made certain new and useful Improvements in Recoil-Pads for Guns, of which the following is a specification.

My invention is an improvement in recoil-pads for guns, and has for an object to simplify such constructions, avoid any substantial lengthening of the stock, and provide a novel arrangement of the filling-tube by which the pneumatic pad is filled, as well as to provide a cover for the pad; and the invention consists in certain novel constructions and combinations of parts, as will be hereinafter described and claimed.

In the drawings, Figure 1 is a rear end view of the pad. Fig. 2 is a longitudinal section of my pad and cover therefor in place on a gun-stock, the latter being partly broken away. Fig. 3 is a longitudinal section of the pad; and Fig. 4 is a side view showing the improvements in use on a gun-stock, the latter being partly broken away.

In a patent granted to me August 6, 1895, No. 544,269, there is shown a recoil-pad including an air-chamber forming the pad proper and a sleeve for embracing the gun-stock; but, as well shown in Figs. 1 and 2 in the said patent, the air-chamber operates to extend the length of the stock substantially, and it becomes quite an object to provide a pad which will entirely serve the cushioning purpose and yet not extend the length of the stock to any considerable extent. By my present invention I so form the air-chamber as to provide the cushioning within the hollow ordinarily formed at the butt-end of a gun-stock, and in doing this I form the air-chamber A with an outer wall A' and an inner wall A², such walls being united directly together at their outer edges, as shown at A³ in Figs. 1 and 2. By thus forming the air-chamber with its outer and inner walls united directly together I avoid any substantial projection at the edges of the butt-end of the gun-stock and at the same time furnish the cushioning effect between the said edges, as will be understood from Fig. 2. The sleeve B extends from the united edges of the inner

and outer walls and embraces the gun-stock, hugging the same closely, as shown in Fig. 2, and ordinarily operating to prevent any displacement of the recoil-pad.

The outer end of the pad may be ornamented in any suitable manner, as will be understood from Fig. 1, or may be left plain, as desired.

In pneumatic pads of the character shown it becomes desirable to furnish means for filling the pad, and I have located the filling devices in such manner as to avoid any projection on the outer side of the pad, thus protecting the filling devices from injury, as well as leaving the external surface of the pad free from any projections which might operate to injure the operator or injure a cover-pad when such a device is used, as shown in Figs. 2 and 4. I therefore prefer to provide for filling purposes a filling-tube C, which connects with the inner wall A² of the pad and may be made of such length as to extend adjacent to the open end of the sleeve B to facilitate filling the pad. When the pad has been filled, the tube C may be bent and secured at its end, as shown at C', and can lie between the inner wall A' of the pad and the butt of the gun-stock, as shown in Fig. 2. By this construction I avoid the necessity of valves, which are prone to leak, and arrange the filling-tube in such manner that it may be conveniently incased and will afford no projection or obstruction on the outer side of the recoil-pad when in use.

It may be desirable in some instances to employ the cover D, (shown in Figs. 2 and 4,) which fits over the pad and stock and may be secured by lacing along the edge of the stock, as shown in Fig. 4. This cover may be made of kid or other soft leather or material and will not only protect the pad in use, but will prevent the same from any displacement when in use.

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

1. The recoil-pad herein described, comprising the air-chamber composed of inner and outer flexible walls united directly together at their outer edges, whereby the air-chamber will form no substantial projection beyond

the end of the gun-stock at the upper and lower edges thereof, the sleeve extending from the outer edge of the air-chamber, and adapted to embrace the stock, and the filling-tube arranged within the said sleeve and connected with the inner wall of the air-chamber, substantially as set forth.

2. A recoil-pad for guns, having an air-chamber composed of inner and outer walls, and a sleeve extending from the outer edge thereof and adapted to embrace the rear end of the gun-stock, and the filling-tube located within said sleeve and connected with the inner wall of the air-chamber, substantially as set forth.

3. A recoil-pad for guns, comprising the air-chamber having inner and outer walls, said walls being united directly together at their outer edges, that is to say without any intervening connecting portions whereby to avoid any substantial projection beyond the end of the stock at the edges thereof, and the sleeve projecting from the outer edge of the pad and

adapted to embrace the rear end of the gun-stock, substantially as set forth.

4. A recoil-pad for guns, comprising an air-chamber composed of inner and outer walls united directly together at their outer edges that is to say without any intervening connecting portions and provided along said edges with means whereby the pad may be secured to the butt-end of the gun-stock, substantially as set forth.

5. The combination of the gun-stock, the recoil-pad having inner and outer walls united directly together at their edges and provided at such edges with a projecting sleeve to embrace the butt-end of the stock, and a cover fitting over said pad and stock, and laced in position, substantially as and for the purposes set forth.

JACOB R. WINTERS.

Witnesses:

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