No. 836,851. PATENTED NOV. 27, 1906.

W. S. ALVES.

HAND PROTECTOR FOR GUN BARRELS.

APPLICATION FILED AUG. 9, 1905.

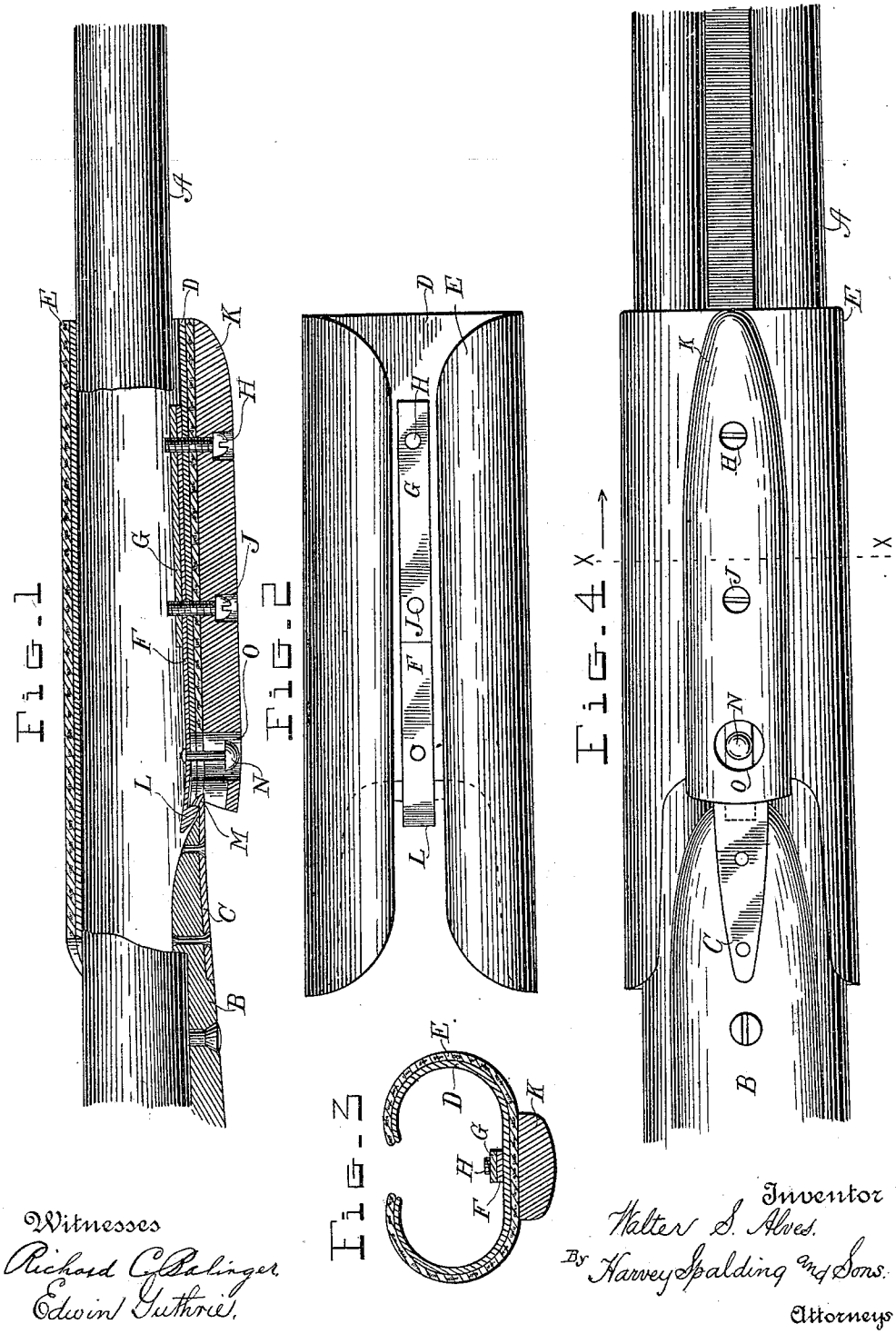


Fig. 1

Fig. 2

Fig. 3

Fig. 4

Witnesses
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UNITED STATES PATENT OFFICE.

WALTER S. ALVES, OF HENDERSON, KENTUCKY.

HAND-PROTECTOR FOR GUN-BARRELS.

No. 836,851. Specification of Letters Patent. Patented Nov. 27, 1906.

Application filed August 9, 1905. Serial No. 273,382

To all whom it may concern:

Be it known that I, WALTER S. ALVES, a citizen of the United States, residing at Henderson, in the county of Henderson and State of Kentucky, have invented certain new and useful Improvements in Hand-Protectors for Gun-Barrels, of which the following is a specification.

My invention relates to hand-protectors for gun-barrels—that is to say, it belongs directly to that class of devices intended to slip frictionally upon the barrels of a gun—for example, a shotgun—in order that the hand in aiming may grasp the gun beyond the usually short extension of the stock beneath the barrels. These protectors are needed in all cases where a relatively considerable length of the barrels project beyond the wooden parts, as the barrels soon become too heated in use for comfortable handling.

The object of my invention is the production of a protector having special and particular construction and arrangement of parts and means for securing it to the end of the stock or "forearm" of the gun.

I accomplish the object stated by fashioning and associating the parts as illustrated in the accompanying drawings, of which—

Figure 1 represents a side view, partly in vertical section, with a portion of the gun-barrels removed to clear the view. Fig. 2 is a top plan view of the protector by itself. Fig. 3 is a cross-section of the invention on the line X X having the position indicated in Fig. 4, and Fig. 4 shows a bottom view of the invention and gun together as they are separably connected in use.

Like letters mark like parts throughout.

Considering the drawings, the letter A marks the gun-barrels, and letter B the forwardly-projecting part of the stock beneath the barrels. A catch-plate C is shown secured to the stock B. I do not confine myself to any particular shape or arrangement of these parts, as the plate would obviously have to be constructed and arranged differently in the various makes of guns on the market, and my invention must be manufactured in correspondingly-varied forms following the construction substantially as set forth herein.

The letter D designates the spring-metal cover portion of the hand-protector having the form and section shown in Figs. 2 and 3. It is my practice to affix to the spring-cover an outer coating of cork E, which is agreeable to the touch and lasting in use.

Within the spring-cover D lies the flat spring F, upon which is a rider-bar G. It is believed to be within the scope of my invention to make the spring F thicker than shown and to omit the bar G, the purpose of having the two pieces being merely to afford a sufficient threaded engagement for screws H and J, which pass through the wooden handpiece K and clamp the spring F, bar G, spring-cover D, and handpiece K all together firmly. The handpiece K has a special office in addition to and in its position with relation to the protector, as shown in Figs. 1 and 4. It is found by trial and experience with protectors of this general character now on the market that the spring-cover D, however suitably it may be coated with leather or other material, does not afford a satisfactory body to be grasped by the hand in aiming. It is, in fact, by itself an exceedingly awkward form to hold, so much so that the best results in aiming the gun are frequently lost. With my improved protector having the handpiece K the invention fully and satisfactorily fits the hand and aids to that extent in the act of properly aiming the piece. In other words, the handpiece K may be regarded as a filling-block, acting as it does merely to fill out or extend the body of the spring-cover on the barrels in order that the hand may take in parts fashioned to fit and fill the hand and afford a steady grasp.

The protector and handpiece combined, as described, are attached to the stock of the gun by means of the catch-head L on flat spring F in engagement with the catch-head M of the plate C, already mentioned. To release the engagement, the push-button N, attached to spring F and situated in aperture O of handpiece K, is pressed upwardly. Its mode of operation is believed to be plainly discernible from Fig. 1.

I am aware that spring-protectors of sheet metal having the general form of the protector in my invention have been made, and I do not claim that element.

Having described my invention and explained the mode of its operation, what I claim is—

1. A hand-protector for gun-barrels comprising an elastic sheet-metal cover having its edges turned up and adapted to clasp the gun-barrels, and a handpiece K secured lengthwise upon the under surface of said

cover, the said handpiece having rounded edges and being fashioned and arranged whereby it is incapable of being grasped alone by the hand and can be taken in hand only by grasping said cover with it thereby filling the hand as and for the purpose described.

2. In a hand-protector for gun-barrels, the combination with a spring-metal cover adapted to be slipped over the barrels of a gun, of a gun having a catch connected with it, and a catch connected with the said cover and arranged to separably engage the catch upon the gun, substantially as described.

3. In a hand-protector for gun-barrels, the combination with a spring-metal cover adapted to be slipped over the barrels of a gun, of a gun having a stock provided with a catch attached to its forward portion, and a catch connected with the said cover and arranged to separably engage the catch attached to said stock, substantially as described.

4. A hand-protector for gun-barrels comprising an elastic sheet-metal cover having its edges turned up and adapted to clasp the gun-barrels, a handpiece secured to the lower surface of the cover, and catch devices whereby the said cover and handpiece are detachably connected with the forearm of the gun-stock, substantially as described.

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

WALTER S. ALVES.

Witnesses:
H. C. BOAZ,
D. H. HARDING.