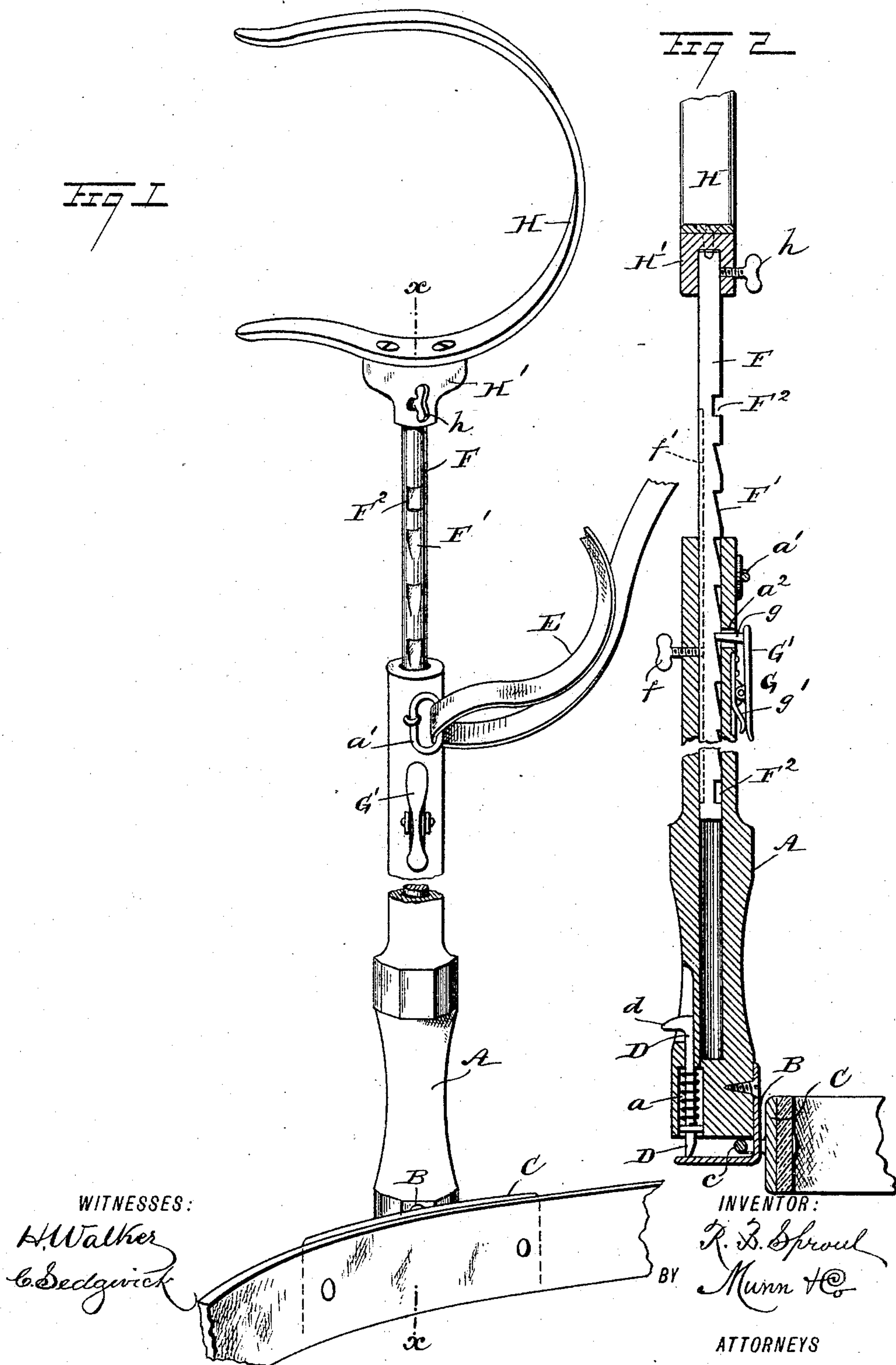


(No Model.)

R. B. SPROUL.
GUNNER'S ARM REST.

No. 454,300.

Patented June 16, 1891.



UNITED STATES PATENT OFFICE.

ROBERT B. SPROUL, OF QUARTZ, MONTANA, ASSIGNOR OF ONE-HALF TO
DAVID S. DICKSON, OF SAME PLACE.

GUNNER'S ARM-REST.

SPECIFICATION forming part of Letters Patent No. 454,300, dated June 16, 1891.

Application filed February 3, 1891. Serial No. 380,016. (No model.)

To all whom it may concern:

Be it known that I, ROBERT B. SPROUL, of Quartz, in the county of Missoula and State of Montana, have invented a new and Improved Gunner's Arm-Rest, of which the following is a full, clear, and exact description.

The object of my invention is to produce a gun-rest of simple construction, which may be easily carried upon the person, which is adapted to be secured to an ordinary cartridge-belt, and which is adapted to conform to the different movements of the arms in manipulating a gun for firing and will hold the gun so that one may shoot off-hand as accurately as when firing over a stationary gun-rest.

To this end my invention consists in a rest constructed substantially as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both figures.

Figure 1 is a broken side elevation of a rest embodying my invention, showing the same attached to a cartridge-belt; and Fig. 2 is a broken vertical section of the same on the line $x x$ in Fig. 1.

The sleeve A, which forms practically the base of the rest, is closed at the lower end, and is provided with a clip B, which extends underneath the bottom of the sleeve and is open at one side so that it may be hooked upon a staple c, which projects from the belt C. The sleeve is held to the staple by means of a spring-pressed bolt D, which moves vertically in a recess a in the lower end of the sleeve, and which is provided with a handle or finger-piece d at the top, by means of which it may be conveniently raised. The spring normally presses the bolt downward, so that its lower end will impinge upon the clip B, and thus hold the sleeve locked to the belt-staple.

Near the upper end of the sleeve A is secured a ring a' to receive a strap E, which strap is buckled around the shoulders of the person and serves as a support for the rest, and when the rest is not in use the lower end of the sleeve may be detached from the belt

C and may be swung around on the strap E out of the way.

A rod F is held to slide vertically in the sleeve A, and is prevented from turning by means of a set-screw f , which projects through the sleeve and into a channel f' in the rod, as indicated by dotted lines in Fig. 2. On the opposite side of the rod is a series of inclined teeth F' , and near the upper and lower ends of the rod is a notch F^2 , by means of which the rod is locked in a fixed position. The rod F is held at a desired height in relation to the sleeve by means of a latch G, which is mounted on the sleeve and engages the teeth of the rod, said latch comprising a plate G' , which is centrally pivoted on the sleeve, and which has at one end an inwardly-extending pin g , which projects through a slot in the sleeve and engages the teeth of the rod, the latch being normally held in engagement with the toothed rod by means of a spring g' , which is held to the sleeve and presses outward upon the lower end of the plate G' . It will thus be seen that the rod F may be easily pulled upward, as the latch will follow the incline of the teeth; but that it cannot be moved downward without operating the latch, and if it is desired to hold the rod in a locked position it is raised until the latch engages the lower notch F^2 , or it is lowered until the latch engages the upper notch. When the rod is to be lowered, the lower end of the latch is pressed inward so as to release the pin g from the teeth on the rod.

At the upper end of the rod F is secured an arm-ring H, which is shaped to fit the arm and is open on one side, so that the arm may be easily inserted in it, and the arm-ring has on the under side a recessed boss H' , which fits the upper end of the rod F and is held thereto by a set-screw h . The arm-ring may be turned on the rod by loosening the set-screw, so that it may be brought into position for either a right-handed or left-handed person.

The device is operated as follows: When a person is to shoot, the lower end of the sleeve is secured to the belt C, as described, and the arm is placed in the arm-ring and raised to a desired position, the movement of raising the

arm causing the rod F to be moved upward, and as the rod cannot slip downward it affords a firm rest, so that one may shoot very accurately.

- 5 It will be seen that the sleeve A is loosely supported on the belt C, so that it may be swung into any desired position, and as means are provided for moving the arm-ring vertically the rest may be quickly and easily
10 brought into any necessary position for shooting, so that it will not encumber the gunner's arm in the least.

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

1. A gunner's arm-rest comprising a sleeve adapted to be secured to a support, a vertically-movable toothed rod mounted in the sleeve, a latch to hold the rod in position, and
20 an arm-ring secured to the upper end of the rod, substantially as described.

2. A gunner's arm-rest comprising a sleeve having means for attachment to a support, a

vertically-movable toothed rod mounted in the sleeve and provided with notches above 25 and below the teeth, a latch mounted on the sleeve and adapted to engage the teeth and notches of the rod, and an arm-ring secured to the rod, substantially as described.

3. The combination, with a belt and staple, 30 of a sleeve carrying an arm-ring and having at its lower end a clip to engage the staple, and a spring-pressed bolt mounted in the sleeve and adapted to impinge on the clip, substantially as described. 35

4. The combination, with a sleeve having a vertically-adjustable arm-ring supported thereon, of a spring-fastening at one end of the sleeve to secure it to a belt, and a ring and strap secured to the sleeve near the op- 40 posite end, substantially as described.

ROBERT B. SPROUL.

Witnesses:

T. H. THOMAS,
THEO. BROWN.