J. W. ROE.

AUTOMATIC RIFLE REST.

APPLICATION FILED MAR. 5, 1918.

1,288,684. Patented Dec. 24, 1918.

Fig. 1.

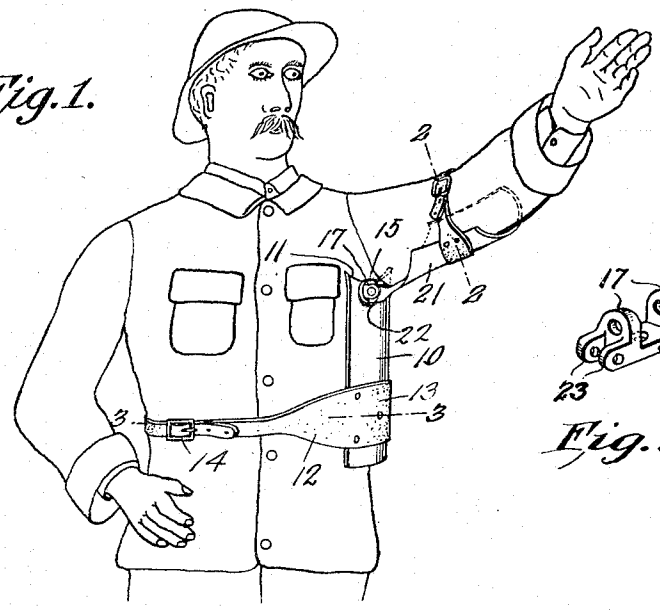


Fig. 7.

Fig. 2.

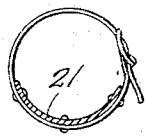


Fig. 3.

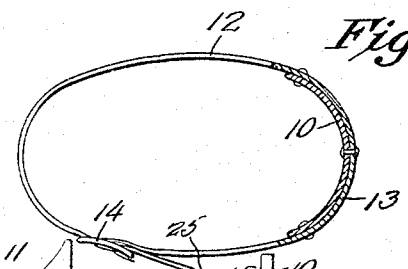
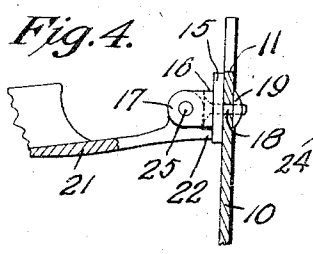


Fig. 4.



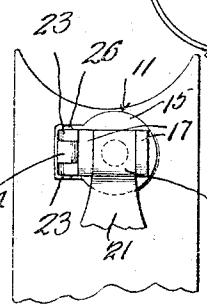


Fig. 5.

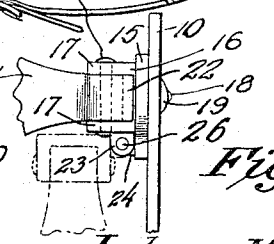


Fig. 6.

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AUTOMATIC RIFLE-REST.

1,288,684. Specification of Letters Patent. Patented Dec. 24, 1918.

Application filed March 5, 1918. Serial No. 220,533.

To all whom it may concern:

Be it known that I, JOHN W. ROE, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented certain new and useful Improvements in Automatic Rifle-Rests, of which the following is a specification.

This invention has for an object to provide a device designed to support the forearm while holding a rifle so as to insure accuracy of aim and to relieve fatigue.

Another object of the invention is to provide a rifle rest of the character above described including a member designed to be secured to the side beneath the arm and a member secured to the arm having a swiveled connection to the first member whereby to support the arm in an extended position and to permit the arm to be lowered to the side when the rest is not in use.

In addition to the foregoing my invention comprehends improvements in the details of construction and arrangement of the correlative parts to be hereinafter more fully described and particularly set forth in the appended claims.

In the accompanying drawings in which similar and corresponding parts are designated by the same characters of reference throughout the several views in which they appear:—

Figure 1 is a view in perspective illustrating the manner in which my improved rifle rest is used.

Fig. 2, is a transverse section taken on the line 2—2 of the preceding figure.

Fig. 3, is a similar view taken on the line 3—3 thereof.

Fig. 4, is a detail view in section illustrating the swivel joint with the arm supporting the member in an extended position.

Fig. 5, is a view of the joint in front elevation in a position corresponding to that shown in the immediately preceding figure.

Fig. 6, is a view of the joint in side elevation illustrating the manner in which the arm supporting member may be moved downward, and

Fig. 7 is a detailed perspective of one section of the hinged joint.

With reference to the drawings, 10 indicates the body attaching member in the form of a traversely curved plate designed to engage the left side beneath the arm and having its upper end concaved as at 11 to partly encircle the arm at the shoulder. A strap 12 is provided having a relatively broad attaching portion 13 intermediate its ends for attachment to the outer surface of the plate 10 whereby the terminals of the strap may be embraced about the body and connected through the medium of a buckle or the like 14. The plate 10 is disposed in a vertical position and mounted upon the upper end adjacent the concaved portion 11 is a joint consisting of a plate 15 applied thereto to the outer surface of which is secured a plate 16 having laterally extending ears 17 formed at the ends thereof. A bolt 18 is provided with a head which is entered into a countersunk opening in the plate 16 and then extended through the plate 15 and finally entered into an opening in the plate 10. A washer or nut 19 is then applied to the projecting end of the bolt whereby to pivotally mount the plate 15 for rotary movement relative to the plate 10. Disposed between the ears 17 is the inner enlarged end 20 of the arm support 21 which is in the form of a strip of metal or similar material concaved to conform to the under side of the arm and to extend approximately from the elbow to the shoulder. The enlargement 20 is formed with a lug 22 which may engage one edge of the plate 16 in one position as shown in Fig. 4. The plate 16 is furthermore provided with a pair of longitudinally extending ears 23 which embrace opposite sides of an apertured lug 24 extending laterally from the plate 15. A rivet or the like is then inserted through said lugs 23 and 24 whereby to pivotally mount the plate 16 for movement relative to the plate 15.

In use, that is when the device is in extended position, the parts are positioned as shown in Fig. 4. It will be noted that the arm supporting member 21 is thus positioned for movement in a vertical plane about the rivet or pin 25 which should at this time be in a horizontal position. The lug 22 will engage the lower edge of the plate 16 so as to support the arm supporting member 21 in a horizontal or extended position, said member 22 forming a stop to limit downward movement thereof. The rifle may now be readily supported without fatigue and the accuracy of aim insured. To permit the arm to be swung downward when the rifle is not to be used, the arm while in an extended position is given an axial rotative movement through approxi-

mately one quarter of a circle so as to dispose the pin 25 in a vertical plane thereby rotating the plate 15. This brings the parts in a position shown in Fig. 6. The arm may now be lowered inasmuch as movement of the arm supporting member 21 is permitted, rotation taking place around the pin 26 which connects the ears 23 and 24. Free movement of the arm in a lowered position is now permitted and to dispose the arm in the opposite position it is only necessary to reverse the operation just described.

While I have illustrated and described my invention with some degree of particularity, I realize that in practice various alterations may be made, and I therefore desire to reserve the right and privilege of changing the form of the details of construction or otherwise altering the arrangement of the correlative parts without departing from the spirit of the invention or the scope of the appended claims.

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

1. A rifle rest including a member for attachment to the body, an arm supporting member, a plate swiveled to the body attaching member, a member hingedly connected to the plate, and a hinged connection between said last member and the arm supporting member.

2. A rifle rest including a member for attachment to the body, a plate mounted thereon for rotation, a second plate applied to the first, spaced ears on the second plate, a lug on the first plate engageable therebetween to pivotally connect the second plate for movement relative to the first, spaced ears on the second plate, an arm supporting member, an enlargement on one end thereof for engagement between the second mentioned ears of the second plate, a pin pivotally connecting said arm supporting member and second ears, and a lug on said arm supporting member for engaging the second plate to dispose the arm supporting member in a position at substantial right angles to the body attaching member in one position thereof, said body attaching plate and arm supporting member when moved in a position toward parallelism permitting universal movement therebetween.

3. A rifle rest including a body plate, a member mounted on said plate for rotation relative thereto, a second member pivotally mounted upon the first member for movement in a plane at substantially right angles to the plane of movement of the first member, and a third member for supporting the arm pivotally connected to the second member for movement in a plane at substantially right angles to the planes of movement of either the first or second members.

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

JOHN W. ROE.

Witnesses:
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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."