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T. D. JOECK.

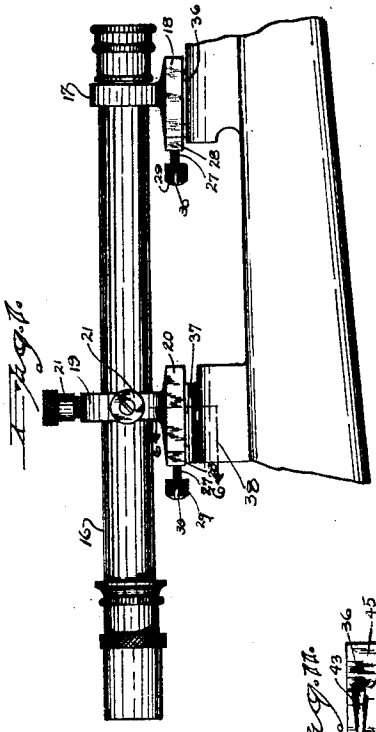
TELESCOPE MOUNTING FOR FIREARMS.

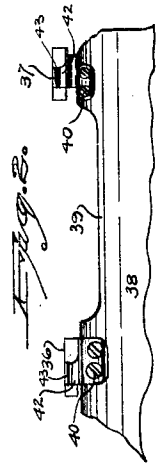
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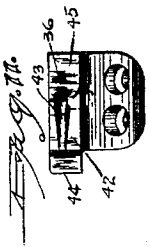
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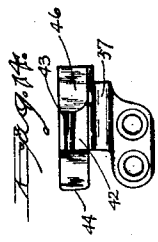
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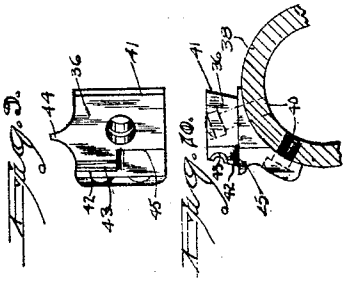
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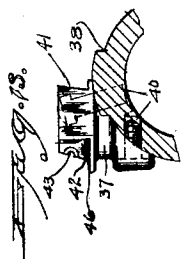


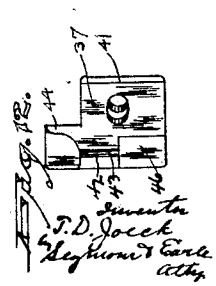












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T. D. JOECK.

TELESCOPE MOUNTING FOR FIREARMS.

APPLICATION FILED NOV. 24, 1919.

1,362,320.

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2 SHEETS—SHEET 2.

Fig. 3.

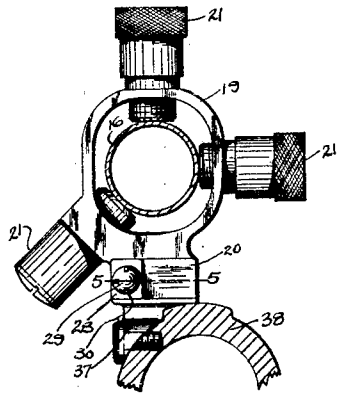
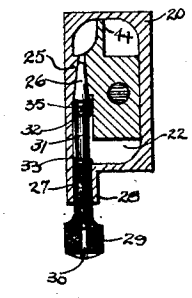


Fig. 5.



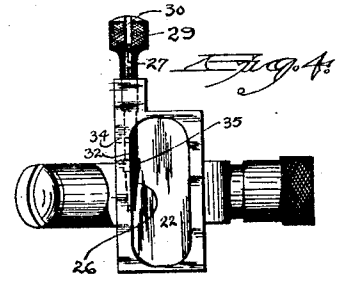


Fig. 4.

Fig. 8

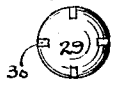


Fig. 7.

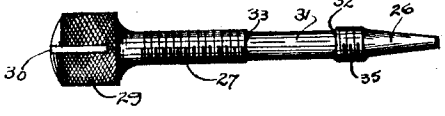


Fig. 10.

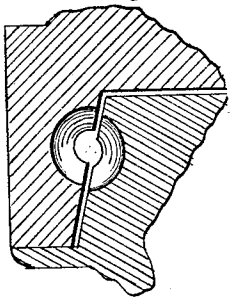
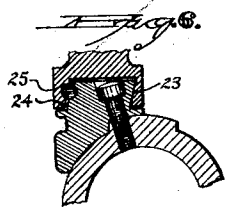


Fig. 6.



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UNITED STATES PATENT OFFICE.

THOMAS D. JOECK, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO WINCHESTER REPEATING ARMS CO., OF NEW HAVEN, CONNECTICUT, A CORPORATION.

TELESCOPE-MOUNTING FOR FIREARMS.

1,362,320. Specification of Letters Patent. Patented Dec. 14, 1920.

Application filed November 24, 1919. Serial No. 340,194.

To all whom it may concern:

Be it known that I, THOMAS D. JOECK, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Telescope-Mountings for Firearms; and I do hereby declare the following, when taken in connection with the accompanying drawings and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application and represent, in—

Figure 1, a broken view in right hand side elevation of a telescope mounted upon the receiver of a rifle in accordance with my invention, both ends of the receiver being broken away.

Fig. 2, a broken view in left hand side elevation of the receiver from which the telescope has been removed to show the two mounting bases.

Fig. 3, a view in rear elevation in my improved telescope mounting, the telescope and the receiver being shown in vertical section.

Fig. 4, a detached reverse plan view of the rear mount.

Fig. 5, a view in horizontal section on the line 5—5 of Fig. 3.

Fig. 6, a view in vertical section on the line 6—6 of Fig. 1.

Fig. 7, a detached enlarged view of the binding screw.

Fig. 8, a view thereof in rear elevation.

Fig. 9, a detached plan view of the front mounting-base.

Fig. 10, a view in rear elevation of the front mounting-base with the receiver in transverse section.

Fig. 11, a detached view in left hand side elevation of the front mounting-base.

Fig. 12, a detached plan view of the rear mounting-base.

Fig. 13, a view thereof in rear elevation with the receiver in vertical section.

Fig. 14, a detached view in left hand side elevation of the rear mounting-base.

Fig. 15, a detached broken sectional view to show the nonalinement of the tapering grooves in the mounts with the tapering grooves in the mounting-bases.

My invention relates to an improved telescope mounting for firearms, the object being to produce a simple and efficient device constructed with particular reference to readily demounting and remounting the telescope without disturbing its relative position with respect to the barrel of the arm.

With these ends in view my invention consists in a telescope mounting characterized by the employment of a wedge-member interposed between mounting members respectively carried by the arm and the telescope. My invention further consists in certain details of construction as will be hereinafter described and pointed out in the claims.

In carrying out my invention as herein shown, the telescope 16 which may be of any approved construction, is supported at its forward end in a close fitting ring 17 provided upon its lower face with an integral mounting-box 18, and at its rear end in a larger ring or annulus 19 provided at its lower end with an identically similar mounting-box 20, the ring 19 being furnished with adjusting devices 21, also of any approved construction and forming no part of my present invention. Inasmuch as the mounting-boxes 18 and 20 are identically alike and have precisely the same functions, a description of one will suffice for both. For the purpose of this description, the rear mounting-box 20 will be described. This box is formed in its lower face with an oblong chamber 22 rounded at its corners and having its right wall undercut as at 23, while its left hand wall is formed with an approximately parallel outward slope 24 containing a semicircular forwardly tapering groove 25 receiving an adjustable wedge in the form of a binding-cone 26 located at the forward end of a binding-screw 27 formed at its rear end with threads and mounted in an extension 28 from the rear right hand corner of the box 20. The said screw is provided at its projecting rear end with a long, capstan-like head 29 furnished with deep longitudinal slots 30 for the insertion of a coin or other convenient lever. A portion of the screw-threads are cut away as at 31 for the production of retaining-shoulders 32 and 33 and the reception of a retaining-pin 34 which prevents the removal of the screw from the box. The threaded section 35 thus isolated at the forward end of the screw, at the base of the cone 26, assists in guiding the cone.

The said binding-screws 27 thus mounted in the respective mounting-boxes 18 and 20 co-act with front and rear mounting bases 36 and 37 secured as shown to the receiver 38 of the gun at the opposite ends of the loading-opening 39 therein, each of these bases being fastened to the receiver by three screws 40. The two mounting-bases 36 and 37 are identical in function and substantially identical in form. Both are alike in being provided with undercut right hand walls 41 for co-action with the undercut right hand walls 23 of the mounting-boxes 18 and 20. Both are also alike in having their left hand walls inwardly inclined as at 42 to correspond to the outwardly inclined walls 24 of the respective mounting-boxes. The said inclined walls 42 of the mounting-bases are formed with forwardly diminishing semi-conical grooves 43 for co-action with the binding cones 26 at the forward ends of the respective binding-screws 27. The mounting-bases 36 and 37 are also formed at their forward ends with positioning-fingers 44 which co-act with the forward ends of the chambers 22 in the respective mounting-boxes 18 and 20, for quickly positioning the same.

In order to heighten the binding action of the binding-cones 26 in their co-action with the semi-conical binding grooves 25 of the respective mounting-boxes and the corresponding semi-conical binding grooves 43 of the respective mounting-bases, the fixture is preferably constructed as shown in Fig. 15, so that the axes of the binding cones 26 will not be coincident with the axis of the grooves 43 in the mounting-bases, the axes of the binding-cones being above and to the right of the axes of the grooves in the bases so that when the binding-screws 27 are advanced in mounting the telescope, the binding-cones will tend to draw the boxes 18 and 20 laterally downward and to the left of the bases 36 and 37.

The bases 36 and 37 have their rear left hand corners cut away as at 45 and 46 (Figs. 9 and 12) for the clearance of the binding-cones 26 as the telescope is mounted and demounted.

I claim:

1. A telescope mounting for firearms, having mounting-members adapted to be respectively applied to a telescope and to a firearm, one of the said members being provided with an adjustable wedge for interposition between the two members to lock one to the other.

2. A telescope mounting for firearms, having mounting members adapted to be respectively applied to a telescope and to a firearm, and an adjustable wedge carried by the mounting-member of the telescope for interposition between the two members to lock one to the other.

3. A telescope mounting for firearms, having mounting-members adapted to be respectively applied to a telescope and to a firearm, and a binding-screw mounted in one of the said members and provided with a binding-cone for interposition between them to lock one to the other, the said screw having means for securing it in place and furnished with a slotted capstan-head.

4. A telescope mounting for firearms, having mounting members adapted to be respectively applied to a telescope and to a firearm, and a binding screw mounted in one of the said members and provided with a binding-cone and semi-circular tapering grooves formed in the said members for the reception of the said binding-cone, the axis of the groove in the member mounting the screw being out of line with the axis of the groove in the other member, whereby the two members are moved laterally with respect to each other under the action of the binding-cone.

5. A telescope mounting for firearms, having a mounting-box adapted to be applied to a telescope and formed in its lower face with an oblong chamber, a mounting-base adapted to be fixed to a portion of a fire-arm and adapted to enter the said chamber, and an adjustable wedge mounted in one of the said parts for interposition between them whereby the two parts are bound together.

6. A telescope mounting for firearms, having a chambered mounting-box adapted to be connected with a telescope, a mounting-base adapted to be fixed to a firearm and to enter the said chamber, an adjustable wedge mounted in the box for interposition between the box and the base, and a positioning member located upon the forward end of the base for co-action with the forward end of the chamber in the mounting-box in positioning the latter upon the former.

7. A telescope mounting for firearms, having a chambered mounting-box adapted to be connected with a telescope, a mounting-base adapted to be connected with a firearm, an adjustable wedge mounted in the box for binding the same to the base to lock one to the other, and a positioning finger formed upon the forward end of the base and engaging with the forward end of the chamber in the box for positioning the same upon the base.

8. A telescope mounting for firearms, having a mounting-box adapted to be connected with a telescope and formed in its lower face with an oblong chamber having its right hand side wall undercut and its left hand side wall sloped outwardly, a mounting-base adapted to be rigidly fastened to a fire-arm and having its side walls pitched in a correspondence with the side

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walls of the said chamber, and a binding-screw mounted in the said box and having a binding-cone co-acting with semi-circular forwardly tapering grooves formed in the outwardly inclined walls of the box and base, whereby the cone binds them together to lock one to the other.

9. A telescope mounting for firearms, having a mounting-box connected with a telescope and formed in its lower face with an oblong chamber, a mounting-base adapted to be applied to a firearm and adapted to enter the said chamber, the walls of the chamber and base being shaped to interlock, and a binding-screw mounted in the mounting-box and formed with a binding-cone adapted to enter forwardly tapering semi-circular grooves formed opposite each other in the box and base and the said screw being provided at its rear end with a capstan-head for its operation.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

THOMAS D. JOECK.

Witnesses:
DANIEL H. VEADER,
ERIK S. PALMER.