33-250. OR 1,132,105 SR

P. MAUSER.

DEVICE FOR SECURING TELESCOPE SIGHTS TO FIREARMS.

APPLICATION FILED NOV. 24, 1913.

1,132,105. Patented Mar. 16, 1915.

Fig. 1.

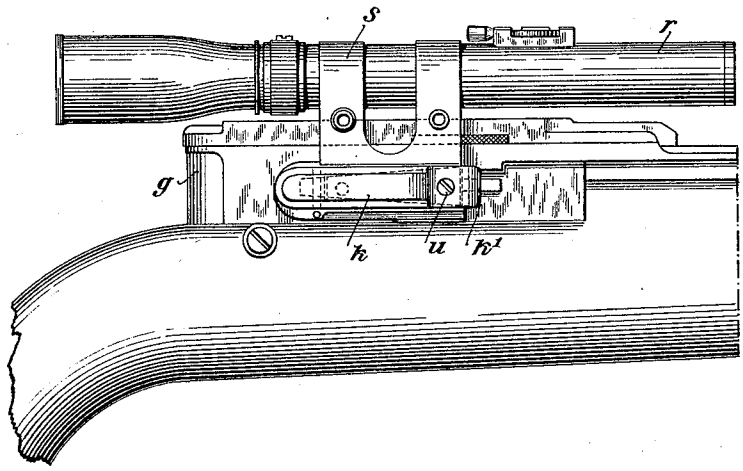


Fig. 2.

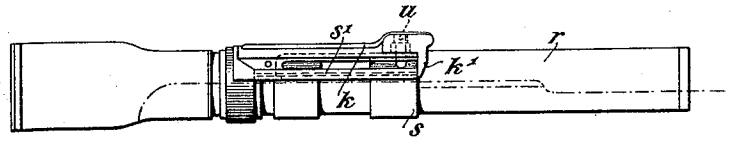


Fig. 4.

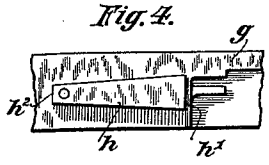


Fig. 5.

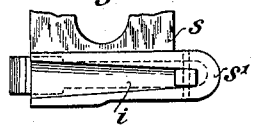


Fig. 3.

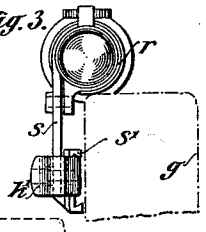
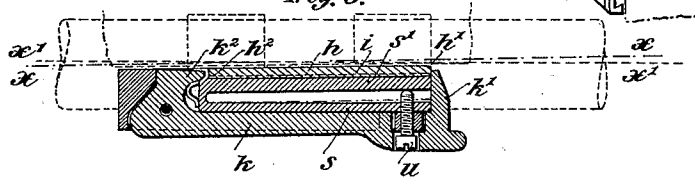


Fig. 6.



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UNITED STATES PATENT OFFICE.

PAUL MAUSER, OF OBERNDORF-ON-THE-NECKAR, GERMANY.

DEVICE FOR SECURING TELESCOPE-SIGHTS TO FIREARMS.

1,132,105. Specification of Letters Patent. Patented Mar. 16, 1915.

Application filed November 24, 1913. Serial No. 802,762.

To all whom it may concern:

Be it known that I, PAUL MAUSER, subject of the King of Wurttemberg, residing at Oberndorf-on-the-Neckar, Germany, have invented certain new and useful Improvements in Devices for Securing Telescope-Sights to Firearms, of which the following is a specification.

The present invention has for its object a method of fixing sighting telescopes to firearms and to automatic sporting rifles in particular, this method of attachment preventing the sighting telescope from becoming loosened owing to the recoil on firing while at the same time permitting of its being readily detached notwithstanding the firm method of fixing to the firearm. The fixing is effected broadly by the interengagement of wedge shaped contact faces on the breech case and on the telescope support which run in such a manner that they cannot be separated one from the other (loosened) as a result of the firing but on the contrary are caused to tighten up while when it is desired to remove the telescope, the surfaces are positively pressed apart by a pressure nose on the supporting pawl.

The invention is illustrated by way of example in the accompanying drawing, in which:—

Figure 1 illustrates the rear portion of the firearm with the telescope in side elevation. Fig. 2 shows the telescope alone with its support in underneath view. Fig. 3 shows the same in front elevation. Figs. 4 and 5 show the interlocking wedge faces on the breech casing and the support in side and rear elevation respectively. Fig. 6 is a cross-section of the lower portion of the support with the pressure screw regulating the position of the axis of the telescope.

The wedge face h carrying the support s of the telescope r is provided on the side wall of the breech case g; this wedge face is divergent in the direction of firing and convergent in the recoil direction. The support itself is provided on the rear inner side of its lower portion s^1, with a contact face i corresponding to the wedge face h, the ledge presenting the wedge face h and also the portion s^1 of the support s presenting the tightening face i are cut dovetail fashion so that the two parts can be connected by sliding one over the other. The support s is held upon the wedge ledge of the breech case by a latch k rotatably mounted in the part s^1; in its retaining position the front nose k^1 of this latch engages the front edge h^1 of the wedge ledge. Upon its rear end, this latch is provided with a pressure nose k^2 which when the latch is rotated outward, for the purpose of removing the telescope, presses against the rear edge h^2 of the wedge ledge and thereby positively detaches the faces h and i one from the other. A pressure screw u passes through the head of this latch and bears against the inner wall of the supporting member and by screwing it in or out, the outer cheek of the telescope support which carries the tube is spread inward or outward whereby the position of the axis of the telescope is correspondingly modified. In Fig. 6 the pressure screw u is screwed in to such an extent that the axis of the telescope is shifted from its normal position $x\,x$ into the position $x^1\,x^1$. In this manner it is possible by adjusting the pressure screw u to regulate the position of the axis of the telescope relatively to the breech in the necessary manner.

What I claim as my invention and desire to secure by Letters Patent is:

1. A device for attaching a sighting telescope to a firearm comprising in combination with the breech case and a support for the telescope; a wedge ledge on the side of the said breech case which is divergent in the direction of firing and convergent in the direction of recoil; a contact face on the said telescope support correspondingly shaped to said wedge face and capable of being slid over the latter, and means for retaining said contact face against the said wedge ledge.

2. A device for attaching a sighting telescope to a firearm comprising in combination with the breech case and a support for the telescope; an undercut wedge ledge on the side of the said breech case which is divergent in the direction of firing and convergent in the direction of recoil; a recessed wedge-shaped contact face having undercut sides formed on the said telescope support and fitting over the wedge ledge on the lock case, and a latch rotatably mounted on the lower part of the telescope support for retaining the contact face on the telescope support against the wedge ledge on the breech case.

3. A device for attaching a sighting telescope to a firearm comprising in combination with the breech case and a support for

the telescope; a wedge ledge on the side of the said breech case which is divergent in the direction of firing and convergent in the direction of recoil; a contact face on the said telescope support correspondingly shaped to said wedge face and capable of being slid over the latter; means for retaining said contact face against the said wedge ledge, and means on said retaining means for releasing said contact face from said wedge ledge when said retaining means is released.

4. A device for attaching a sighting telescope to a firearm comprising in combination with the breech case and a support for the telescope; an undercut wedge ledge on the side of the said breech case which is divergent in the direction of firing and convergent in the direction of recoil; a recessed wedge-shaped contact face having undercut sides formed on the said telescope support and fitting over the wedge ledge on the breech case; a latch rotatably mounted on the lower part of the telescope support for retaining the contact face on the telescope support against the wedge ledge on the breech case, and a pressure nose on the rear end of said latch adapted to press against the rear edge of the said wedge ledge.

5. A device for attaching a sighting telescope to a firearm comprising in combination with the breech case and a support for the telescope; an undercut wedge ledge on the side of the said breech case which is divergent in the direction of firing and convergent in the direction of recoil; a recessed wedge-shaped contact face having undercut sides formed on the said telescope support and fitting over the wedge ledge on the breech case; a latch rotatably mounted on the lower part of the telescope support for retaining the contact face on the telescope support against the wedge ledge on the breech case; a pressure nose on the rear end of said latch adapted to press against the rear edge of the said wedge ledge, and a pressure nose on the front end of said latch adapted to press against the front edge of the said wedge ledge.

6. A device for attaching a sighting telescope to a firearm comprising in combination with the breech case and a support for the telescope; a wedge ledge on the side of the said breech case which is divergent in the direction of firing and convergent in the direction of recoil; a contact face on the said telescope support correspondingly shaped to said wedge face and capable of being slid over the latter; means for retaining said contact face against the said wedge ledge, and means for adjusting the position of the axis of the telescope support relatively to the breech casing.

7. A device for attaching a sighting telescope to a firearm comprising in combination with the breech case and a support for the telescope having inner and outer walls at its lower part; an undercut wedge ledge on the side of the said breech case which is divergent in the direction of firing and convergent in the direction of recoil; a recessed wedge-shaped contact face having undercut sides formed in the inner face of the inner wall of said telescope support and fitting over the wedge ledge on the breech case; a latch rotatably mounted on the lower part of the telescope support for retaining the contact face on the telescope support against the wedge ledge on the breech case; a pressure nose on the rear end of said latch adapted to press against the rear edge of the said wedge ledge; a pressure nose on the front end of said latch adapted to press against the front edge of the said wedge ledge, and means for adjusting the position of the axis of the telescope support relatively to the breech casing.

8. A device for attaching a sighting telescope to a firearm comprising in combination with the breech case and a support for the telescope having inner and outer walls at its lower part; an undercut wedge ledge on the side of the said breech case which is divergent in the direction of firing and convergent in the direction of recoil; a recessed wedge-shaped contact face having undercut sides formed in the inner face of the inner wall of said telescope support and fitting over the wedge ledge on the breech case; a latch rotatably mounted on the lower part of the telescope support for retaining the contact face on the telescope support against the wedge ledge on the breech case; a pressure nose on the rear end of said latch adapted to press against the rear edge of the said wedge ledge; a pressure nose on the front end of said latch adapted to press against the front edge of the said wedge ledge, and an adjustable pressure screw in the head of the said latch bearing against the said inner wall of the supporting member for the purpose of adjusting the outer wall of the telescope support with respect to said inner wall.

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

PAUL MAUSER.

Witnesses:

ROBERT MICHALSKI,

FRIEDRICH EICHHORN.

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