

W. G. HOFFMANN.
SIGHT FOR FIREARMS.
APPLICATION FILED MAR. 9, 1910.

1,009,148.

Patented Nov. 21, 1911.

Fig 1

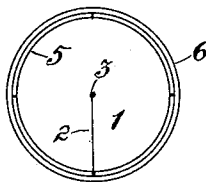


Fig 2

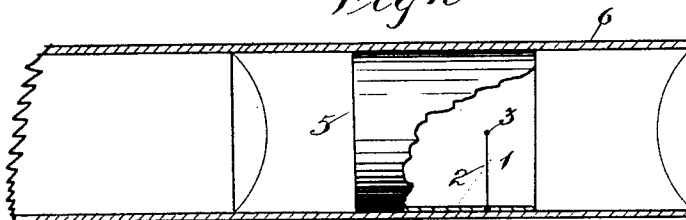


Fig 3

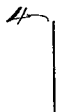
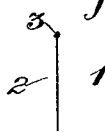
*open glass*

Fig 4



WITNESSES:

J. V. Bratton
Elmer Wickes.

INVENTOR

William Gerard Hoffmann
BY
Frank P. Medina

ATTORNEY

UNITED STATES PATENT OFFICE.

WILLIAM GERARD HOFFMANN, OF MILL VALLEY, CALIFORNIA, ASSIGNOR OF ONE-HALF TO FRED OWEN BRATTON, OF MILL VALLEY, CALIFORNIA.

SIGHT FOR FIREARMS.

1,009,148.

Specification of Letters Patent. Patented Nov. 21, 1911.

Application filed March 9, 1910. Serial No. 548,193.

To all whom it may concern:

Be it known that I, WILLIAM GERARD HOFFMANN, a citizen of the United States, residing in the town of Mill Valley, in the county of Marin and State of California, have invented a new and useful Improvement in Sights for Firearms, of which the following is a specification.

My invention relates to the art of sighting firearms, and has for its object to provide an improved telescopic pin bead for long distance sighting.

Many shooters prefer pin bead sights to cross-hairs, and efforts have long been made to provide a pin bead of sufficient rigidity to withstand the displacing force of the vibrations set up by the gun's discharge, and at the same time to remain so small that the bead would cover only a space on the distant object little greater than that covered by the meeting point of the cross hairs, the latter being usually made of fine cobweb filaments.

I have discovered and invented a practical means for accomplishing these objects, and I have illustrated my invention in the accompanying drawing as well as it can be shown pictorially, and in which—

Figure 1 is an end view of a telescope showing my pin bead in place; Fig. 2 a longitudinal central section thereof showing a reticule carrying my pin bead; Fig. 3 a modification of my pin bead; and Fig. 4 a separate view of my pin bead in its unmodified form.

The scale of drawing is many times enlarged to show the bead, which in its actual size and away from the telescope is almost invisible.

In general terms, my invention consists in providing a pin bead made of some material that may be reduced to the requisite size, and which operates to maintain the proper position of the bead, not by rigid resistance to the vibrations tending to displace it, but, by its elasticity, to restore itself perfectly whenever displaced.

I have discovered that pin beads made of spun glass possess the desired qualities, and in the manufacture of my improved sighting device, I use a filament of spun glass. In the preferred form of my device, one end of the filament is melted to form a bead about one and one-half times the diameter of the filament.

Referring to Fig. 4, the pin bead 1 shows a filament 2 and a bead 3, constructed in the way described.

Fig. 3 shows a filament of spun glass 1' without the bead, the end 4 serving as the sight, and some prefer to use such a pin, especially for very long distance sighting.

I insert my pin bead in a reticule 5 fixed in the telescope 6, in a slot provided for the purpose, and fix it by means of cement or other suitable means.

I have found by actual experiment that pin beads constructed in the way described restore themselves to their proper position whenever displaced by the shock from the discharge, owing to the absolute elasticity of spun glass filaments, and that said filaments may be spun to a fineness approximating that of cobweb.

Having described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

1. In a sighting device, a pin bead consisting of a spun glass filament.

2. In a sighting device for long distance shooting, a telescope, a reticule in said telescope, and a spun glass filament pin bead in said reticule.

In testimony whereof, I have hereunto signed my name, in the presence of two witnesses, in the city and county of San Francisco, and State of California, this 18th day of February, A. D. 1910.

WILLIAM GERARD HOFFMANN.

In the presence of—

FRANK P. MEDINA,
F. O. BRATTON.