

No. 788,404.

PATENTED APR. 25, 1905.

J. HIRST.

ADJUSTABLE WEIGHTING SIGHT FOR GUNS.

APPLICATION FILED JAN. 11, 1905.

Fig. 2.

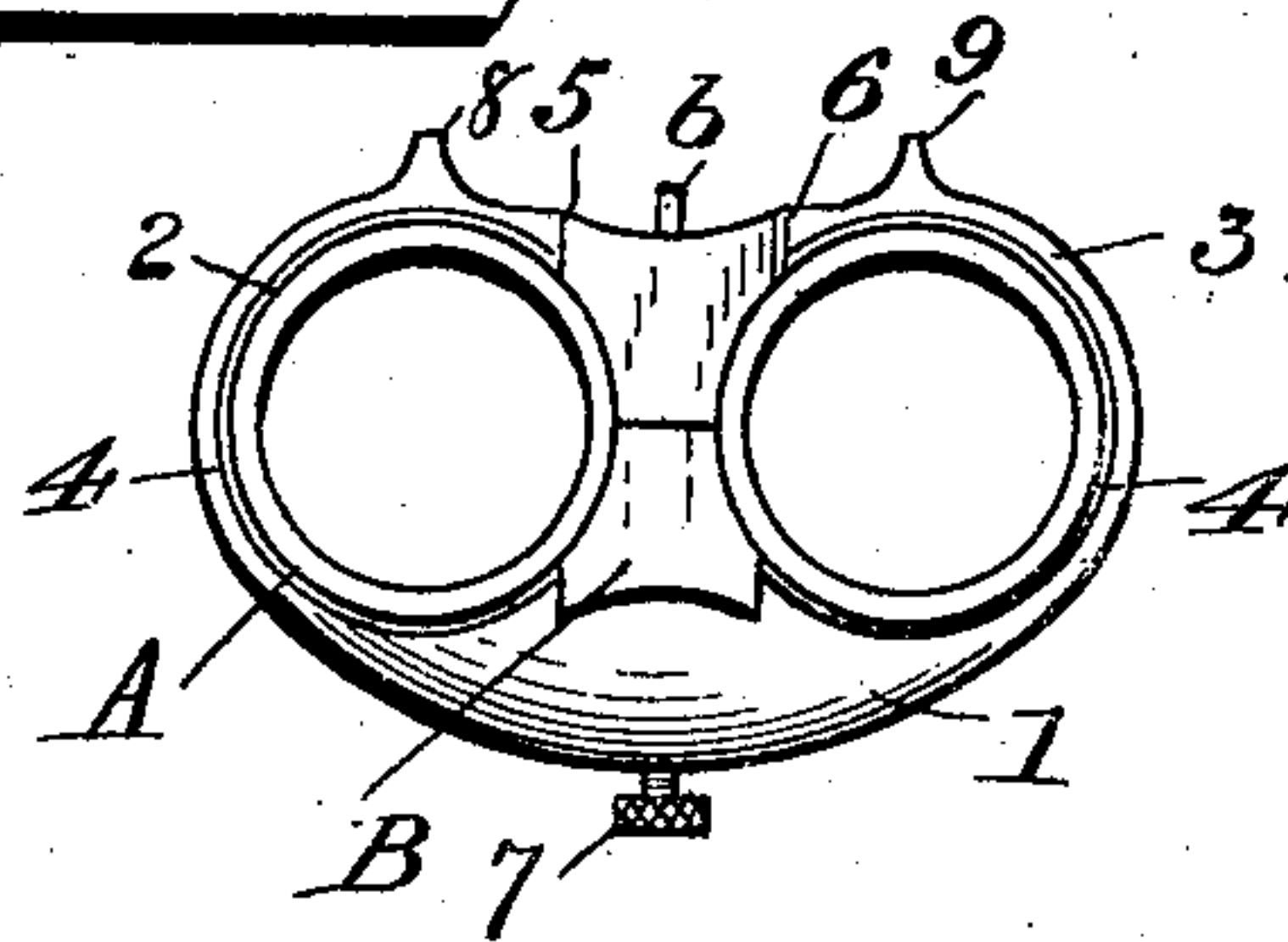


Fig. 3.

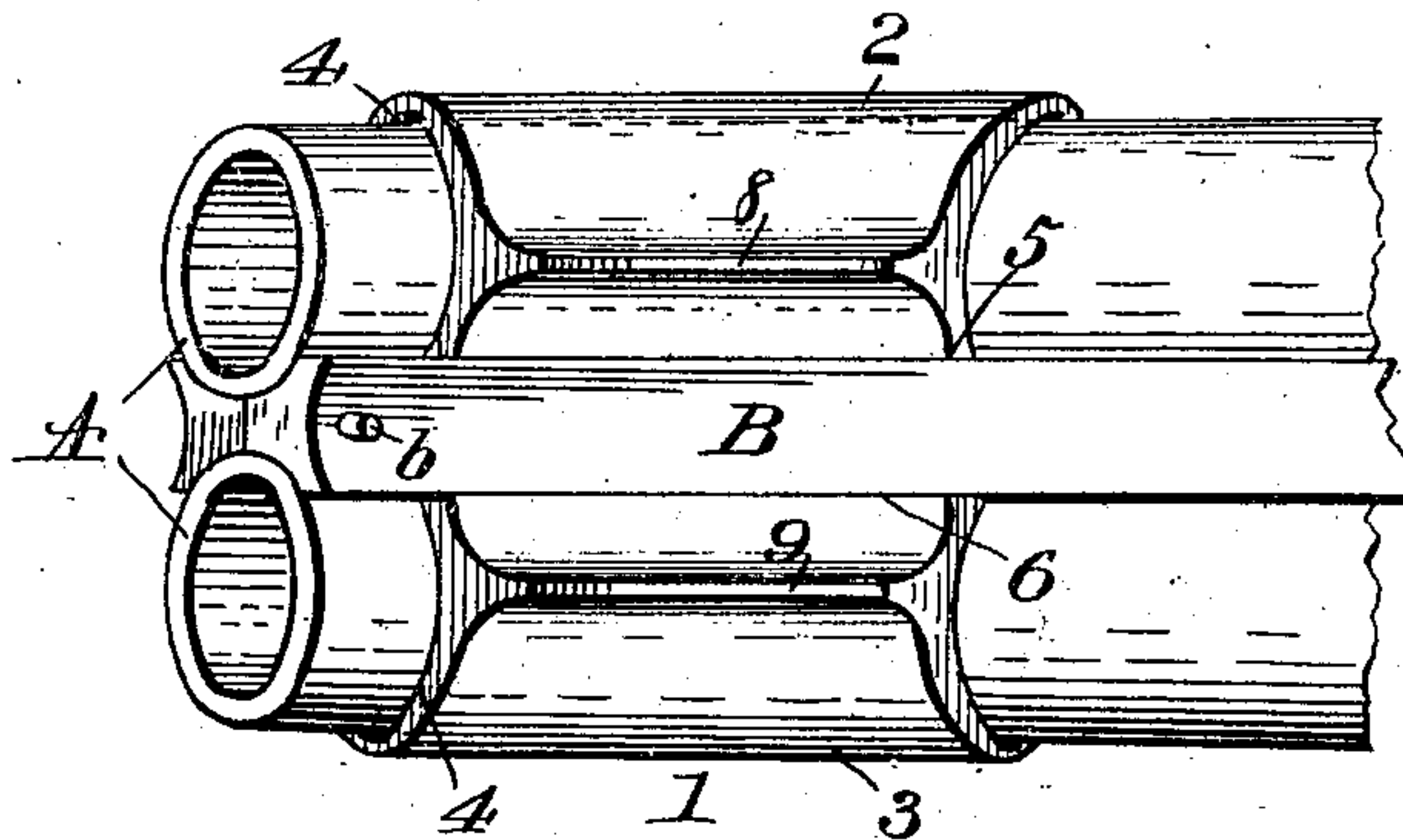


Fig. 1.

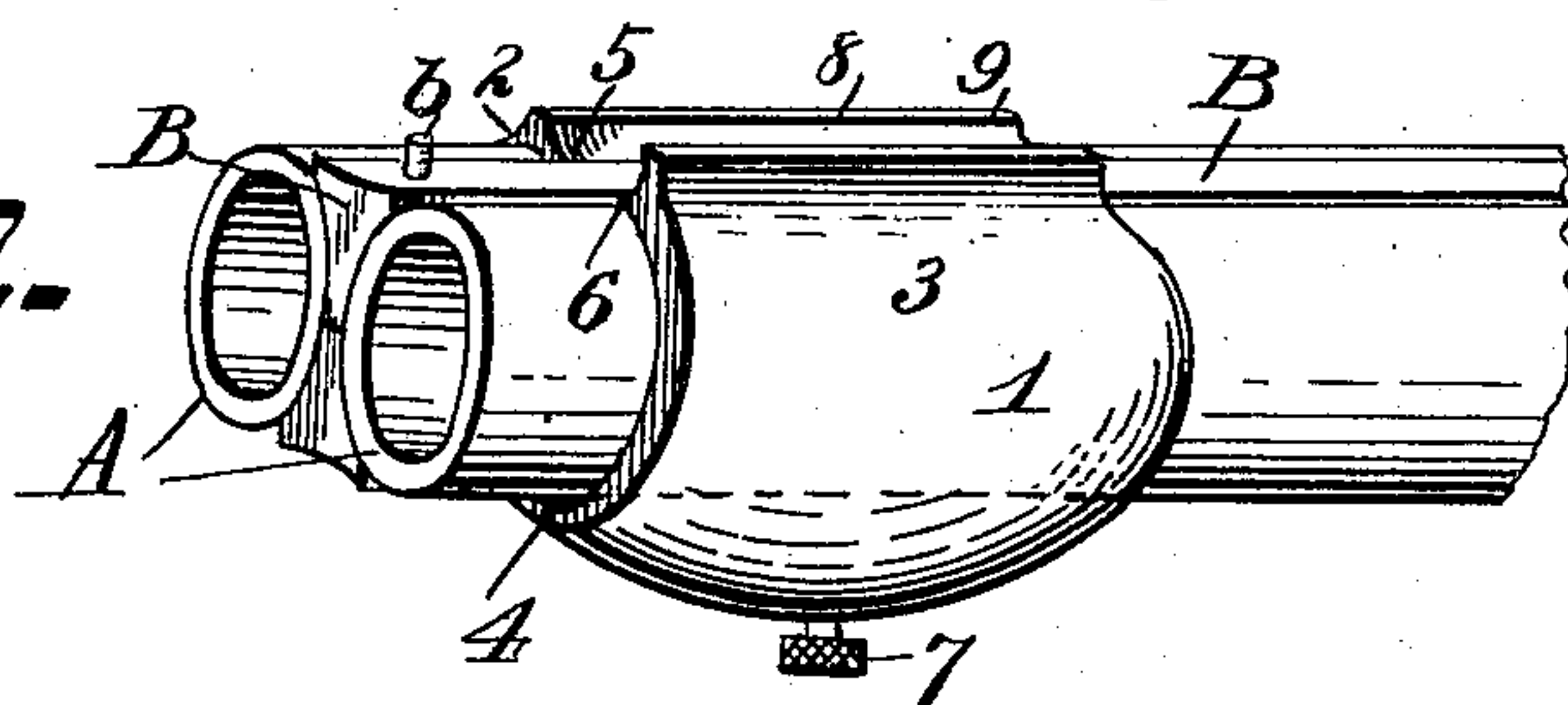
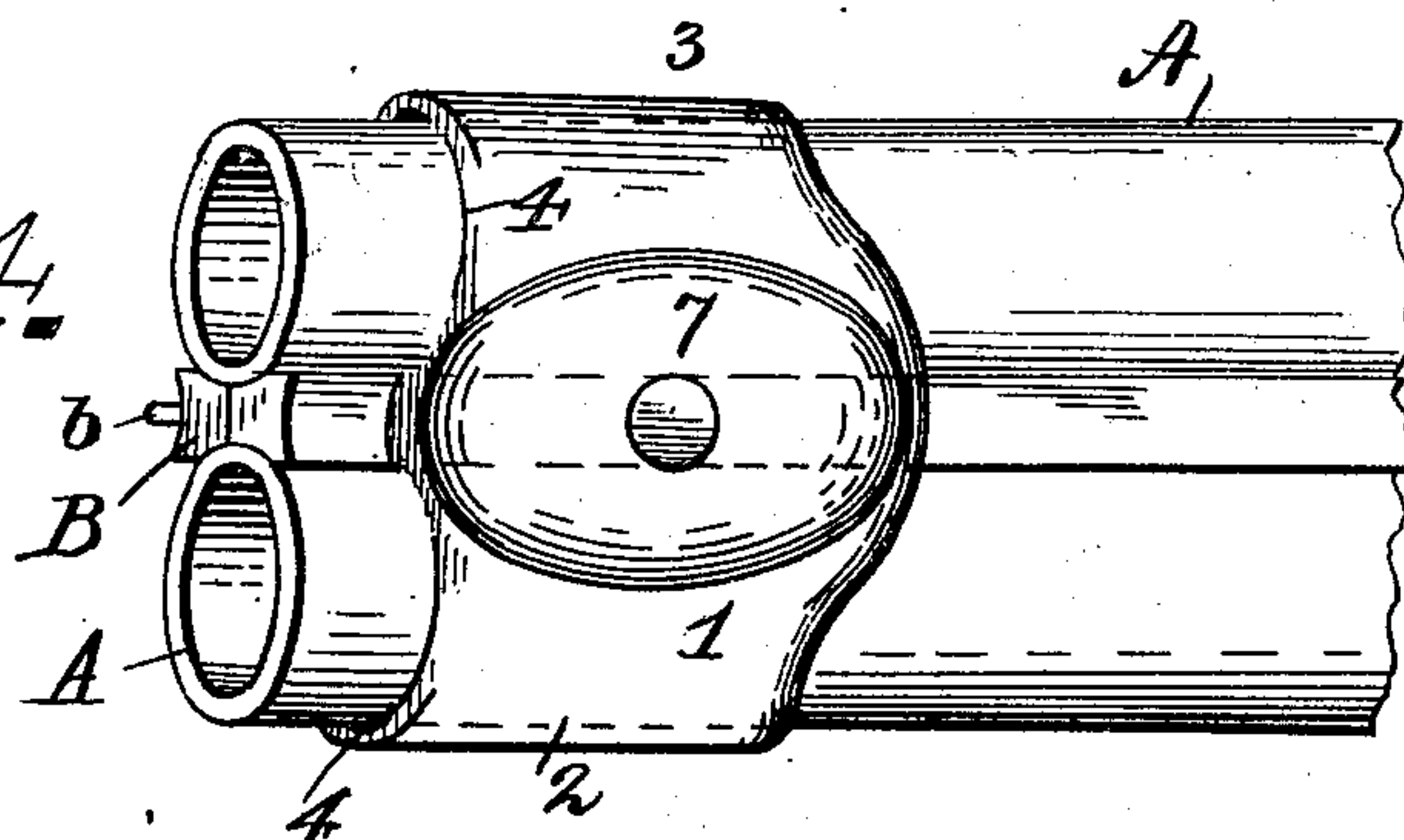


Fig. 4.



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UNITED STATES PATENT OFFICE.

JAMES HIRST, OF VINELAND, NEW JERSEY.

ADJUSTABLE WEIGHTING-SIGHT FOR GUNS.

SPECIFICATION forming part of Letters Patent No. 788,404, dated April 25, 1905.

Application filed January 11, 1905. Serial No. 240,565.

To all whom it may concern:

Be it known that I, JAMES HIRST, a citizen of the United States, residing at Vineland, in the county of Cumberland and State of New Jersey, have invented new and useful Improvements in Adjustable Weighting-Sights for Guns, of which the following is a specification.

This invention relates to that class of sights for firearms designed for use in addition to the ordinary front sight and adapted for ready attachment to and detachment from the gun-barrel at the muzzle.

The object of my invention is to provide a weighted sight of this class that may be readily adjusted lengthwise of the barrel to modify the "balance" of the arm for different users or loads.

To this end the invention consists of the device to be hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective showing my improvement as applied to a double-barrel fowling-piece. Fig. 2 is a front elevation of the same. Fig. 3 is a top plan of the sight applied to the barrels. Fig. 4 is a bottom plan of the same.

Referring to the drawings, it will be seen that my longitudinally-adjustable weighting-sight is shown as attached to the barrels A of a double-barrel shotgun somewhat in rear of or farther from the muzzle than the usual bead-sight b, permanently attached to the top rib B of the gun at the forward end or muzzle. This weighting-sight is cast or forged from suitable metal and comprises a body 1 and right and left hand wings 2 and 3, having longitudinal apertures 4 to receive the gun-barrels, the wings terminating in parallel edges 5 6, designed to embrace the side edges of the top rib B of the gun, as shown, and thereby maintain the weighting-sight against lateral movement with respect to the gun to which it is applied.

The body 1 of the sight is provided with a tapped opening to receive a thumb-screw 7, the point of which is adapted to engage the under rib of the barrels to clamp the sight firmly thereto when adjusted to the proper position. This thumb-screw may be provided

with a milled head, as shown, for manipulation by hand or slotted to receive the point of a screw-driver.

The wings 2 and 3 are provided with sighting points or ribs 8 and 9, those shown being elongated, thus leaving a sighting-channel between them which is useful in taking "straightaway" or "rising" shots, and this construction gives weight to the weighting-sight as a whole, so that the body 1 may be made less bulky.

As is well known, shotgun-barrels taper from breech to muzzle to a greater or less extent, and to accommodate my weighting-sight with this condition I form the apertures 4 of the wings 2 and 3 of sufficient size to permit of the adjustment of the weight to some distance in rear of the usual bead-sight b of the gun, it being understood that the sight when adjusted and clamped by the screw 7 will be effectually held against any lateral movement by the engagement of the free edges 5 of the wings with the side edges of the rib B of the gun.

This weighting-sight will of course be adapted to standard gages of shotguns, it not being intended that a sight adapted for a ten gage shall be used upon a sixteen gage. Also the sights may be made for one gage in varying weights to suit different customers and conditions of use.

From the foregoing it will be seen that my improved weighting-sight is advantageous in changing the balance of a gun, since slight adjustment longitudinally of the barrels may be made instantly, and, moreover, it tends to steady a light gun at the muzzle when using heavy charges, as in trap-shooting or duck-shooting. It possesses the further advantage of other sights designed to enable a user to get the proper "lead" in "crossing" and "quartering" shots, this lead of course being increased or diminished as the sight is adjusted farther from or nearer to the muzzle of the gun, as will be readily understood.

While illustrated herein only in connection with a double gun, it will be understood that the sight is well adapted for use by slight modification to single guns.

I claim—

1. An adjustable weighting-sight for guns comprising a body having a set-screw to engage a gun, and wings having parallel edges to straddle the bead of a gun, said wings being longitudinally apertured and provided with sighting-ribs, substantially as described.
2. An adjustable weighting-sight for double guns comprising a body having a set-screw to engage the under side of the barrels, and

wings having parallel edges to engage the sides of the top rib of the barrels, said wings being longitudinally apertured and provided with sighting-ribs, substantially as described.

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

JAMES HIRST.

Witnesses:

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