

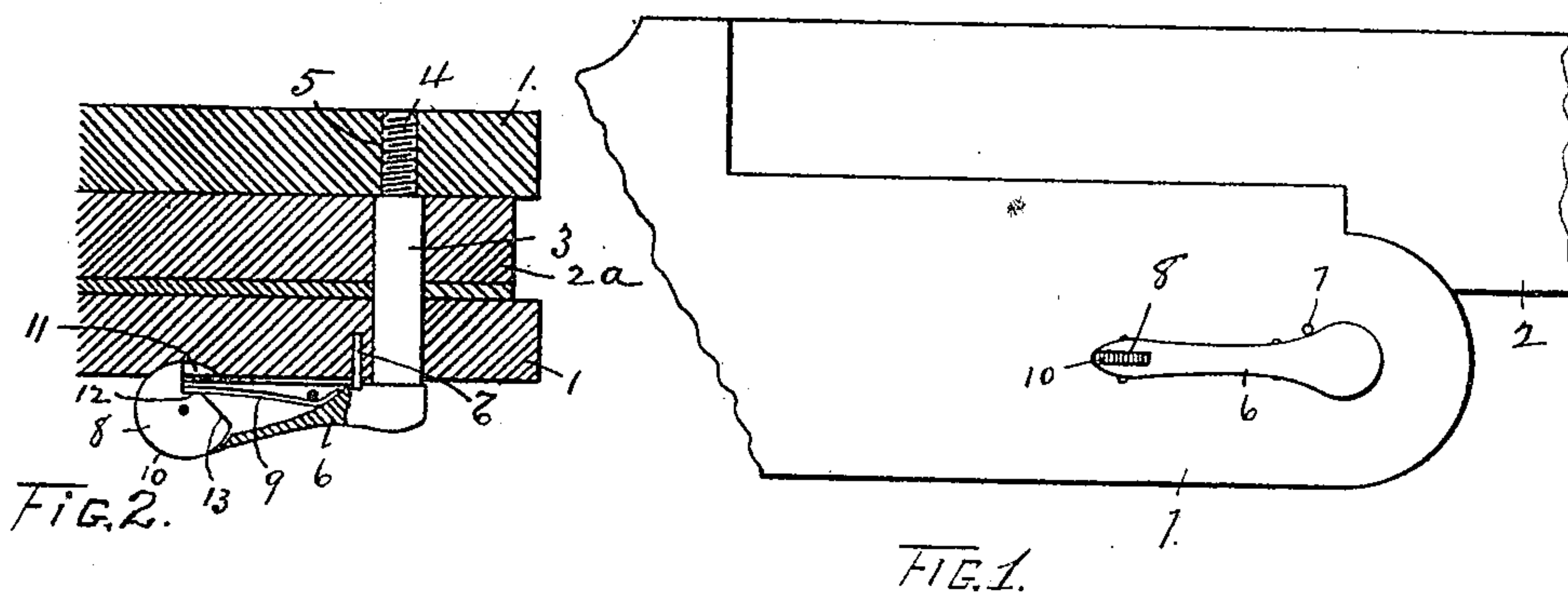
No. 754,080.

PATENTED MAR. 8, 1904.

O. F. MOSSBERG.
HINGE PIN FOR BREAKDOWN GUNS.

APPLICATION FILED NOV. 4, 1898.

NO MODEL.



WITNESSES:

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HINGE-PIN FOR BREAKDOWN GUNS.

SPECIFICATION forming part of Letters Patent No. 754,080, dated March 8, 1904.

Application filed November 4, 1898. Serial No. 695,429. (No model.)

To all whom it may concern:

Be it known that I, OSCAR F. MOSSBERG, a citizen of the United States, and a resident of Fitchburg, in the county of Worcester and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Hinge-Pins for Breakdown Guns, of which the following is a specification, accompanied by drawings forming a part of the same, in which—

Figure 1 is a side elevation of a portion of the gun, showing the pivotal pin and its handle by which the barrel is connected with the framework of the gun; and Fig. 2 is a horizontal sectional view on the plane of the hinge-pin, showing the locking device by which the handle of the pivotal pin is held from turning.

Similar numerals refer to similar parts in the different figures.

My invention relates to a hinge-pin for breakdown guns, comprising a pin by which the barrel is pivoted to the frame, a radial handle to facilitate the removal of the pin, and a method of locking said pin in position, as hereinafter described, and set forth in the annexed claims.

Referring to the drawings, 1 denotes a portion of the framework of the gun, and 2 a portion of the barrel, provided on its under side with a short longitudinal rib 2^a, which fits within a groove 1^a in the frame 1. The barrel 2 is pivoted to the frame by a pin 3, provided with a screw-thread 4 at one end engaging a screw-threaded hole 5 in the frame. The opposite end of the pivotal pin 3 is provided with a radial arm 6, forming a lever-handle by which the pin 3 is turned in order to screw it into the frame of the gun until the handle 6 is brought into contact with a short pin 7, projecting from the side of the gun-frame. When the lever-handle 6 is in contact with the projecting pin 7, it is locked in position by means of a rocking latch-plate 8, pivoted in the end of the lever-handle 6 and cut

away upon one side to receive the contact of the blade-spring 9, held in the handle 6.

The latch-plate 8 is provided with a milled edge 10, projecting beyond the handle 6, so that the latch-plate 8 may be rocked and carried into engagement with a shallow groove 11, cut in the side of the gun-frame, as shown in Fig. 2, and held therein by the pressure of the blade-spring 9 against the surface 12 of the plate, and when withdrawn from the groove 11 the plate is held by the contact of the spring with the surface 13.

The operation of my device is as follows: To release the hinge-pin and dismount the gun, the latch-plate 8 is revolved, thereby depressing the blade-spring 9 and carrying the plate 8 out of engagement with the groove 11. The latch-plate 8 is held from further revolution by the pressure of the blade-spring 9 against the surface 13 of the plate 8. The radial arm 6, no longer held by the engagement of the plate 8 with the groove 11, may now be revolved and the hinge-pin 3 unscrewed from the hole 5 and removed from the frame 1 and longitudinal rib 2^a of the barrel 2.

I accomplish by this construction an easily-operated method of inserting and fastening the hinge-pin and also an increased durability and simplicity of the operative parts of the hinge-pin, which is very desirable.

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

1. In a firearm, the combination with a frame and a barrel pivoted thereto, of a screw-threaded pivotal pin by which said barrel and frame are connected, a radial arm projecting from said pin and forming a lever-handle, a rocking latch-plate carried by said handle and arranged to engage a groove in said frame, whereby said pin is held from rotation and a spring by which said latch-plate is held in position, substantially as described.

2. The combination, with the frame and barrel of a firearm, of a pivotal pin by which the

barrel and frame are connected, said pin having a screw-thread at one end engaging said frame, and a radial arm at its opposite end, a latch-plate pivoted in said radial arm, and arranged to engage a groove in said frame, a spring by which said latch-plate is held in position, and a pin projecting from said frame into the path of said radial arm, as the pin is

screwed into said frame, whereby said latch-plate is brought into alinement with the groove in said frame, substantially as described. 10

Dated this 24th day of October, 1898.

OSCAR F. MOSSBERG.

Witnesses:

RUFUS B. FOWLER,
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