

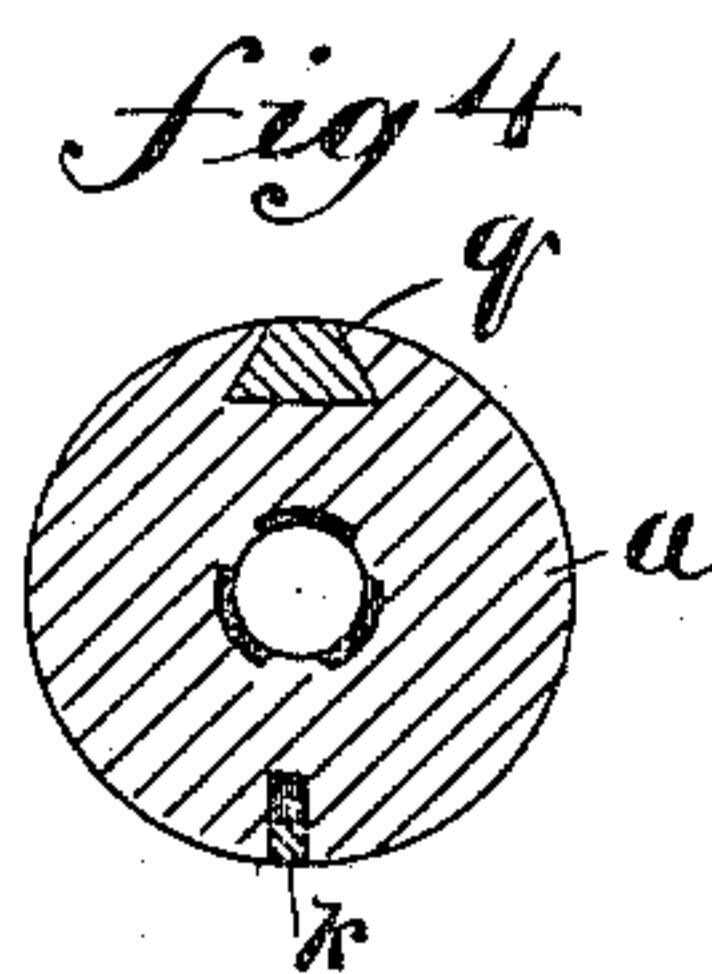
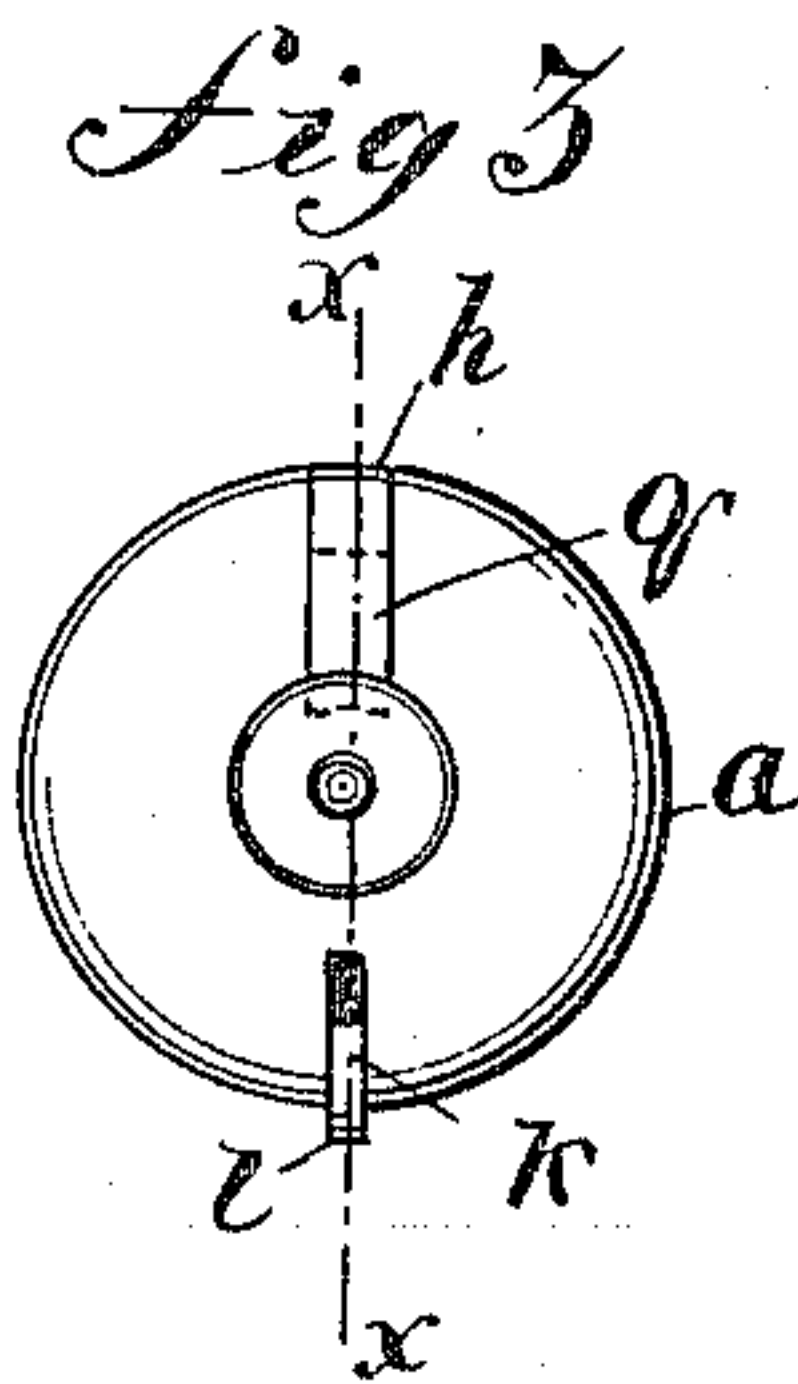
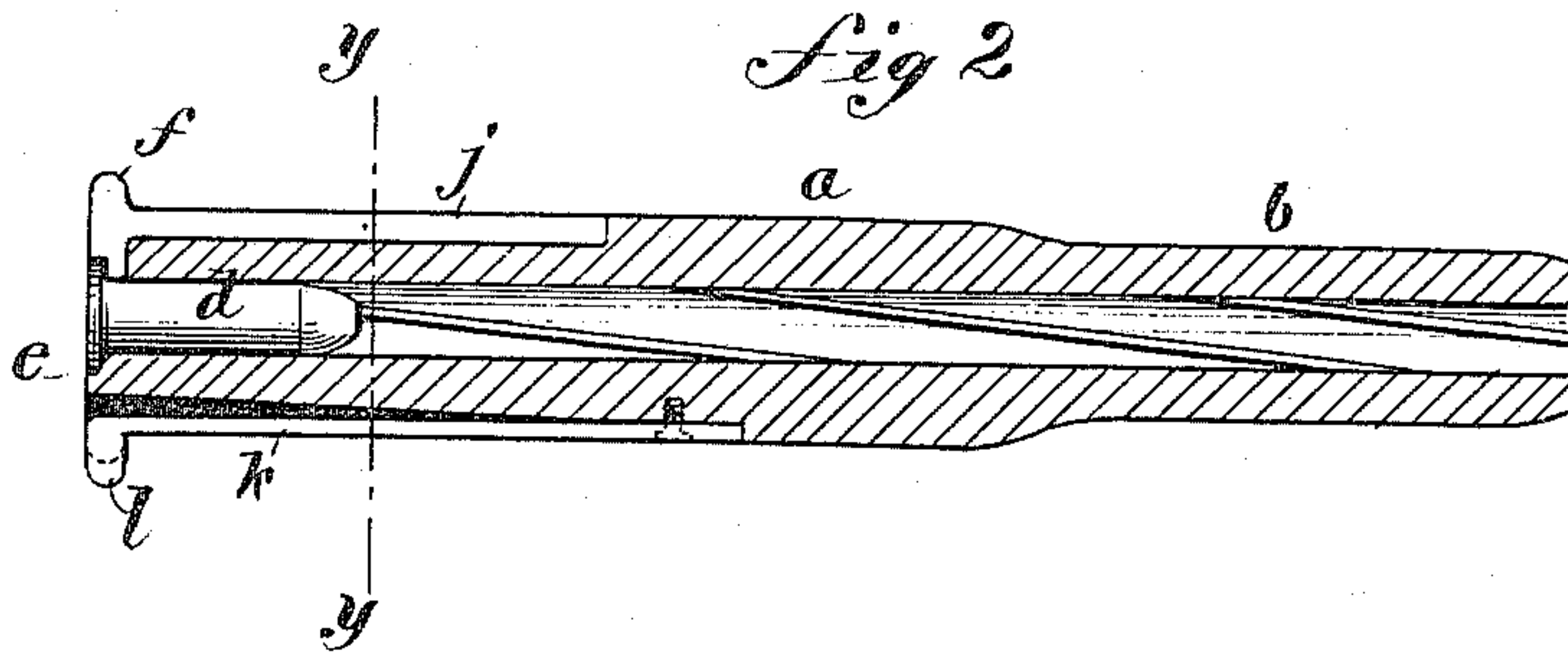
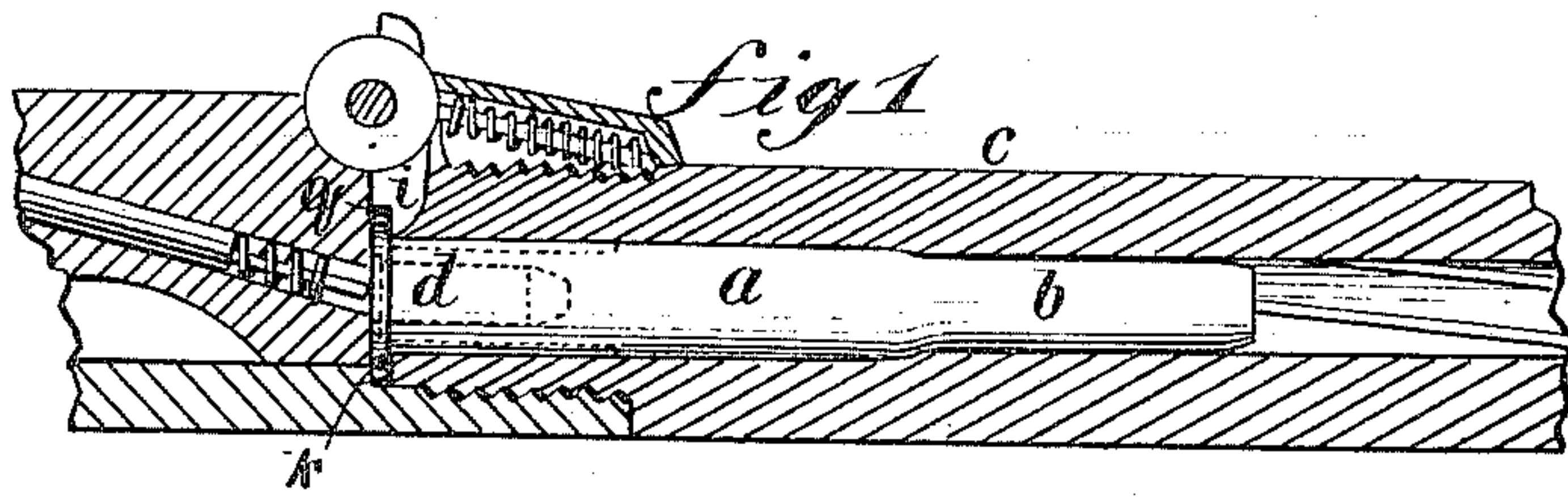
(No Model.)

H. T. MARTIN.

AUXILIARY RIFLE BARREL FOR GUNS.

No. 271,883.

Patented Feb. 6, 1883.



WITNESSES:

J. D. Garfield
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INVENTOR:

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UNITED STATES PATENT OFFICE.

HARRY T. MARTIN, OF FORT ROBINSON, NEBRASKA.

AUXILIARY RIFLE-BARREL FOR GUNS.

SPECIFICATION forming part of Letters Patent No. 271,883, dated February 6, 1883.

Application filed August 10, 1882. (No model.)

To all whom it may concern:

Be it known that I, HARRY T. MARTIN, of Fort Robinson, in the county of Sioux and State of Nebraska, have invented a new and
5 Improved Cartridge-Rifle, of which the following is a full, clear, and exact description.

The object of my invention is to provide an attachment to the United States or Springfield rifle, and also to other rifles of large caliber, whereby the small thirty-two-one-hundredths cartridges may be used in them for gallery practice and elsewhere, by which the labor and expense, also the expensive tools,
10 now required for making the forty-five-one-hundredths cartridges may be dispensed with.

The invention relates to a device which I call a "cartridge-rifle," the same being a bushing for the breech of the rifle-barrel, and bored and rifled for the small cartridges, said
20 bushing extending a short distance along the barrel beyond the cartridge-chamber of said barrel, and having a flange at the base corresponding to the flange of the large cartridge; also a spring or springs to secure it in the
25 barrel, and also a shell-extractor contrived to be worked by the rifle-shell extractor, all as hereinafter fully described.

Reference is to be had to the accompanying drawings, forming part of this specification, in
30 which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a longitudinal sectional elevation of a portion of a rifle, showing my improved cartridge-rifle in side elevation and applied
35 to the rifle as in use. Fig. 2 is a longitudinal sectional elevation of my improved cartridge-rifle on an exaggerated scale, the section being on line *x x*, Fig. 3. Fig. 3 is an end elevation of Fig. 2. Fig. 4 is a section of Fig. 2
40 on line *y y*.

I make a steel bushing, *a b*, to fit in the breech of the rifle-barrel *c*, as shown, the part *a* fitting the cartridge-chamber of the barrel, and the part *b* extending a short distance be-

yond said chamber along the barrel, said bush- 45
ing being bored and rifled suitably for the small thirty-two-one-hundredths cartridges *d*, and also chambered in the breech for the flange *e* of the said cartridge. It also has a flange, *f*, corresponding to the flange of the large 50
cartridges to fit in the counterbore of the rifle, and in the upper side is a sliding shell-extractor, *g*, which has a head, *h*, which occupies a slot of the flange *f*, so that the extractor *i* of the rifle will act on it the same as it does 55
on the flange of the large shell, and cause it to eject the shell of the small cartridges. The groove in which the extractor slides is shown in side view at *j*, Fig. 2. The cartridge-rifle is to fit snugly in the barrel, but so that it may 60
be pushed out with the ramrod when not required for use, and one or more springs, *k*, having a head, *l*, to drop into a nick or nicks made in the breech of the barrel *c*, will be ap- 65
plied to it in a groove or grooves in the exterior surface, as shown, for holding it more securely.

It will be seen that this simple device will enable the small and cheaper cartridges to be used instead of the larger ones, and will thus 70
save much of the expense of gallery practice.

I am aware that it is not broadly new to use a rifle-bushing by which a smaller cartridge may be used than the one for which the rifle may have been intended originally; but 75

What I claim as new and of my invention is—

The combination, with the bushing *a b*, of one or more springs, *k*, each having a head, *l*, and a seat in the groove of the barrel, whereby 80
the spring-head *l* may be adapted to drop into a nick in the breech of the rifle, for the purpose specified.

HARRY T. MARTIN.

Witnesses:

MARTIN J. WEBER,
JOHN DOYLE.