No. 689,328. Patented Dec. 17, 1901.

A. SEIDELL.

CARTRIDGE CAPPING OR DECAPPING IMPLEMENT.

(Application filed June 13, 1901.)

(No Model.)

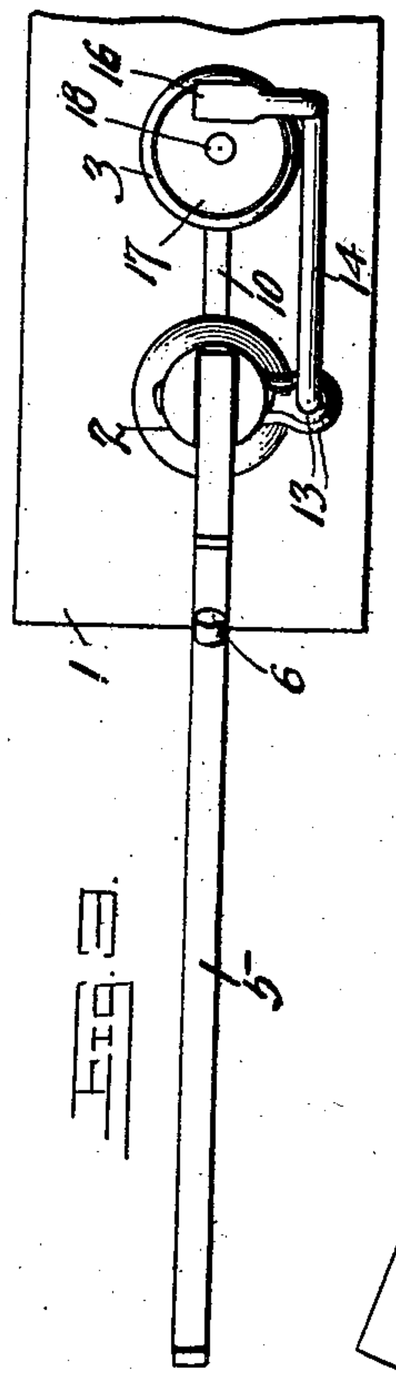

FIG. 3.

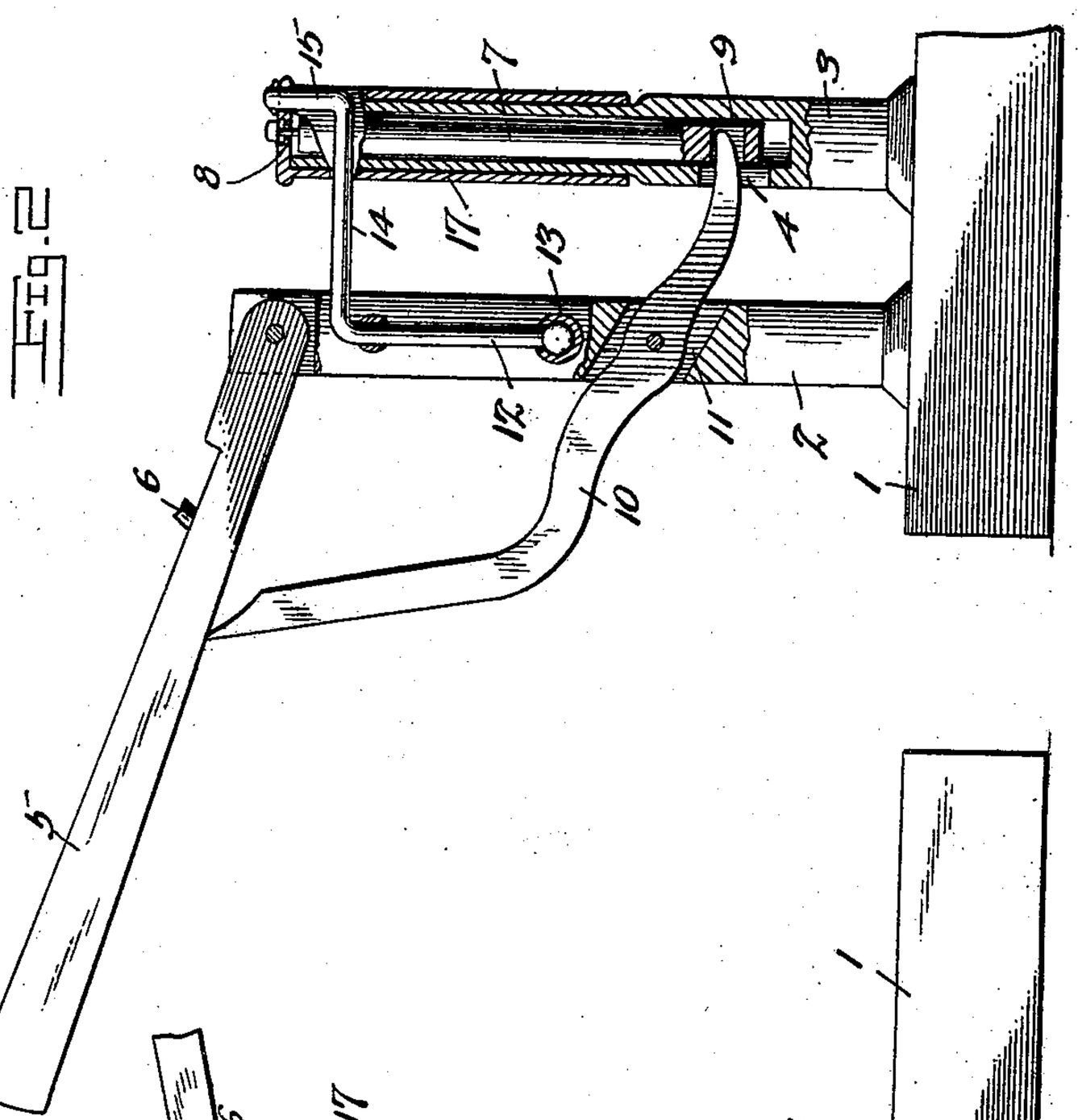

FIG. 2.

FIG. 1.

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UNITED STATES PATENT OFFICE.

ALBERT SEIDELL, OF ARCATA, CALIFORNIA.

CARTRIDGE CAPPING OR DECAPPING IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 689,328, dated December 17, 1901.

Application filed June 13, 1901. Serial No. 64,465. (No model.)

To all whom it may concern:

Be it known that I, ALBERT SEIDELL, a citizen of the United States, residing at Arcata, in the county of Humboldt and State of California, have invented a new and useful Cartridge Capping or Decapping Implement, of which the following is a specification.

This invention relates to implements for capping and decapping cartridge-shells, and has for its object to provide an improved device of this character which is especially designed to facilitate the two operations without removing the shell or requiring any material adjustment of the device. It is furthermore designed to effectually hold the shell in place when being decapped and to provide for the convenient removal of the shell after it has been capped.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a side elevation of a cartridge capping and decapping implement constructed in accordance with the present invention and shown in its capping adjustment. Fig. 2 is a sectional elevation thereof in its decapping adjustment. Fig. 3 is a top plan view of the device.

Like characters of reference designate corresponding parts in all figures of the drawings.

Referring to the drawings, 1 designates the base of the implement, from which rise a lever-post 2 and a tubular shell-post 3, which is open at its upper end and is provided with a longitudinal slot 4 next to the lever-post and adjacent to the bottom of the shell-post. Upon the upper end of the lever-post, which is slightly longer than the shell-post, there is fulcrumed a lever 5, which swings vertically toward and away from the top of the shell-post and is provided with a lateral projection 6, which is disposed at such a distance from the fulcrum of the lever that it is designed to coöperate with the top of the shell-post to force the cap into the opening in the head of a shell, as will be hereinafter described.

Within the tubular shell-post there is slidably mounted a decapping-plunger 7, which has its upper end provided with an axial upstanding pin or projection 8 and its lower end portion provided with an opening or socket 9, corresponding to the slot in the shell-post.

For the manipulation of the decapping-plunger there is provided an angle-lever or rocker 10, which has its intermediate portion fulcrumed within a slot 11, formed in the intermediate portion of the lever-post, with its lower end projected through the slot in the shell-post and into the socket or opening in the plunger, the opposite upper end of the rocker being located in the path of the downward swing of the operating-lever when it is being swung away from the shell-post, whereby the lower end of the rocker is designed to be elevated to force the plunger upwardly.

To prevent displacement of the shell from the shell-post, there is provided a holder consisting of an upright stem or shank 12, rotatably mounted upon one side of the lever-post in terminal bearings 13, there being a crank-arm 14 at the upper end of the shank, that has an outer upstanding extension 15, which is provided with an upper terminal lateral finger or catch projection 16 to engage over the top of a shell 17, that is slipped upon the shell-post, so as to prevent upward displacement when the decapping-plunger is forced upwardly to thrust the pin 8 into the exploded cap 18 for the purpose of pushing the same out of the shell. When not in use and also to permit of the application and removal of a shell, the holder is swung around out of engagement with the shell-post, as indicated in Fig. 1 of the drawings.

From the foregoing description it will be understood that the operating-lever is swung downwardly toward the shell-post to bring the projection or nipple 6 into engagement with a cap 18 to force the same into the cap-opening in the head of a shell, and by reversing the movement of the lever so as to actuate the rocker a cap may be readily removed from a shell, the two operations being accomplished without removing the shell.

What is claimed is—

1. A shell capping and decapping imple-

ment, comprising a base, a lever-post rising therefrom, a lever fulcrumed upon the upper end thereof, and having a lateral cap-engaging part, a tubular shell-post having a longitudinal slot, a decapping-plunger slidably mounted in the post, and an angular rocker fulcrumed intermediate of its ends upon the lever-post, the lower end of the rocker being projected through the slot in the shell-post and engaging with the plunger, and the opposite end of the rocker being arranged in the path of the lever when it is swung away from the shell-post.

2. A shell capping and decapping implement comprising a base, a lever-post rising therefrom, a tubular shell-post rising from the base and having an open top and a reciprocatory decapping-plunger working in the shell-post, an operating-lever mounted upon the lever-post and operatively engaging with the plunger, and a shell-holder having an upright rotatable stem mounted upon the lever-post, and provided at its upper end with a lateral arm, which has a lateral projection constructed to lie across the top of the open shell-post and hold down a shell thereon.

3. In a shell capping and decapping implement, the combination with a base, of a lever-post rising therefrom and having an intermediate longitudinal slot formed therein, a tubular shell-post rising from the base and located opposite one end of the slot in the lever-post, the top of the shell-post being open, and there also being a longitudinal slot formed in the lower portion of the post next to the lever-post, a decapping-plunger working endwise within the shell-post, and provided with an upstanding pin upon its upper end, an angular rocker having its intermediate portion fulcrumed in the slot in the lever-post, with its lower end projected through the slot in the shell-post and engaging with the plunger, an operating-lever fulcrumed upon the upper end of the lever-post, and provided with a lateral cap-engaging projection constructed to coöperate with the upper end of the shell-post, the upper end of the rocker being located in the path of the lever as it swings away from the shell-post, and a shell-holder comprising an upright stem rotatably mounted upon the lever-post, and provided with a lateral arm, having an outer terminal lateral projection constructed to lie across the upper end of the shell-post to hold a shell thereon.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

ALBERT SEIDELL.

Witnesses:
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H. MCLEOD.