

E. A. FOLSOM.
Cartridge-Implement.

No. 227,236.

Patented May 4, 1880.

Fig. 1.

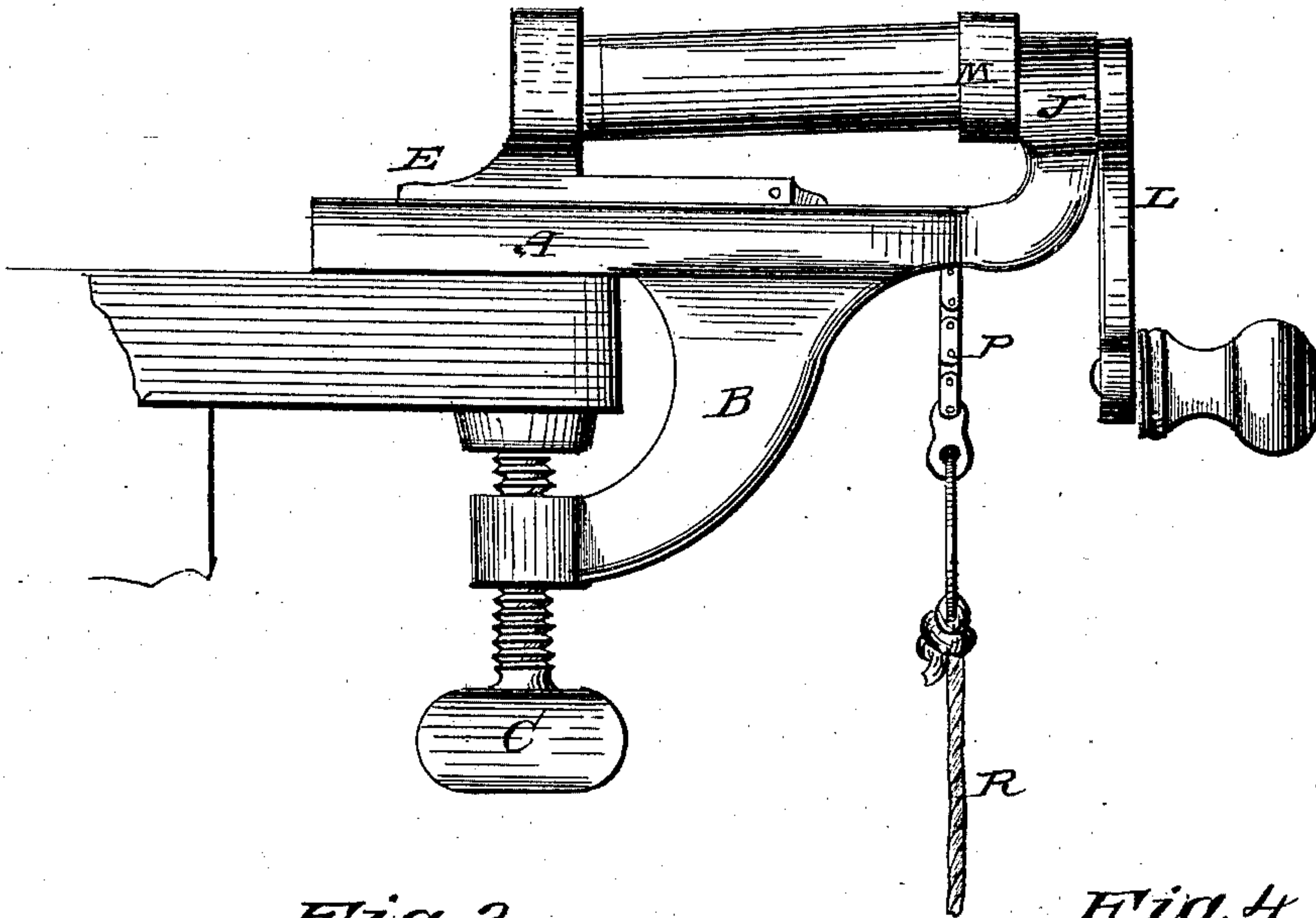


Fig. 2.

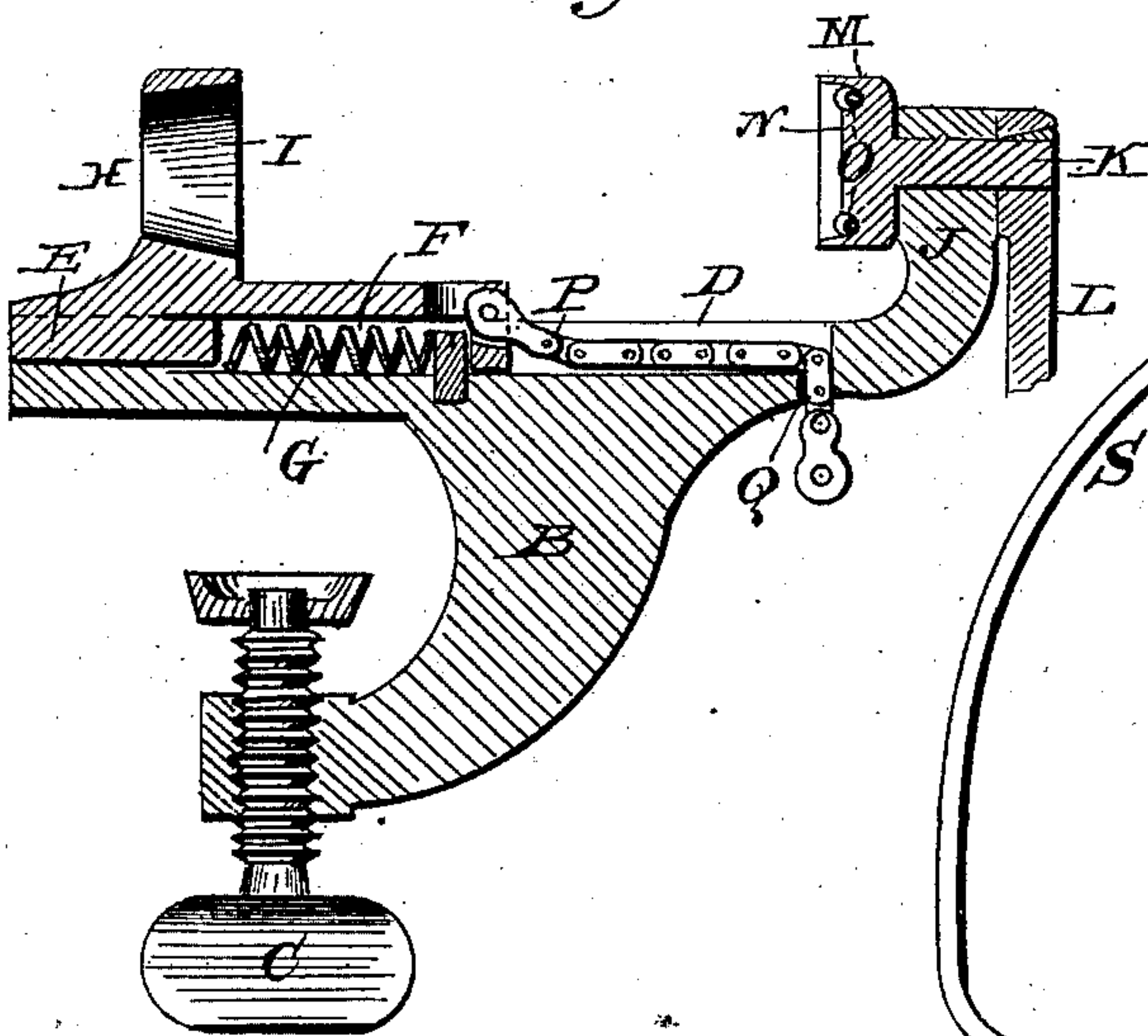


Fig. 4.

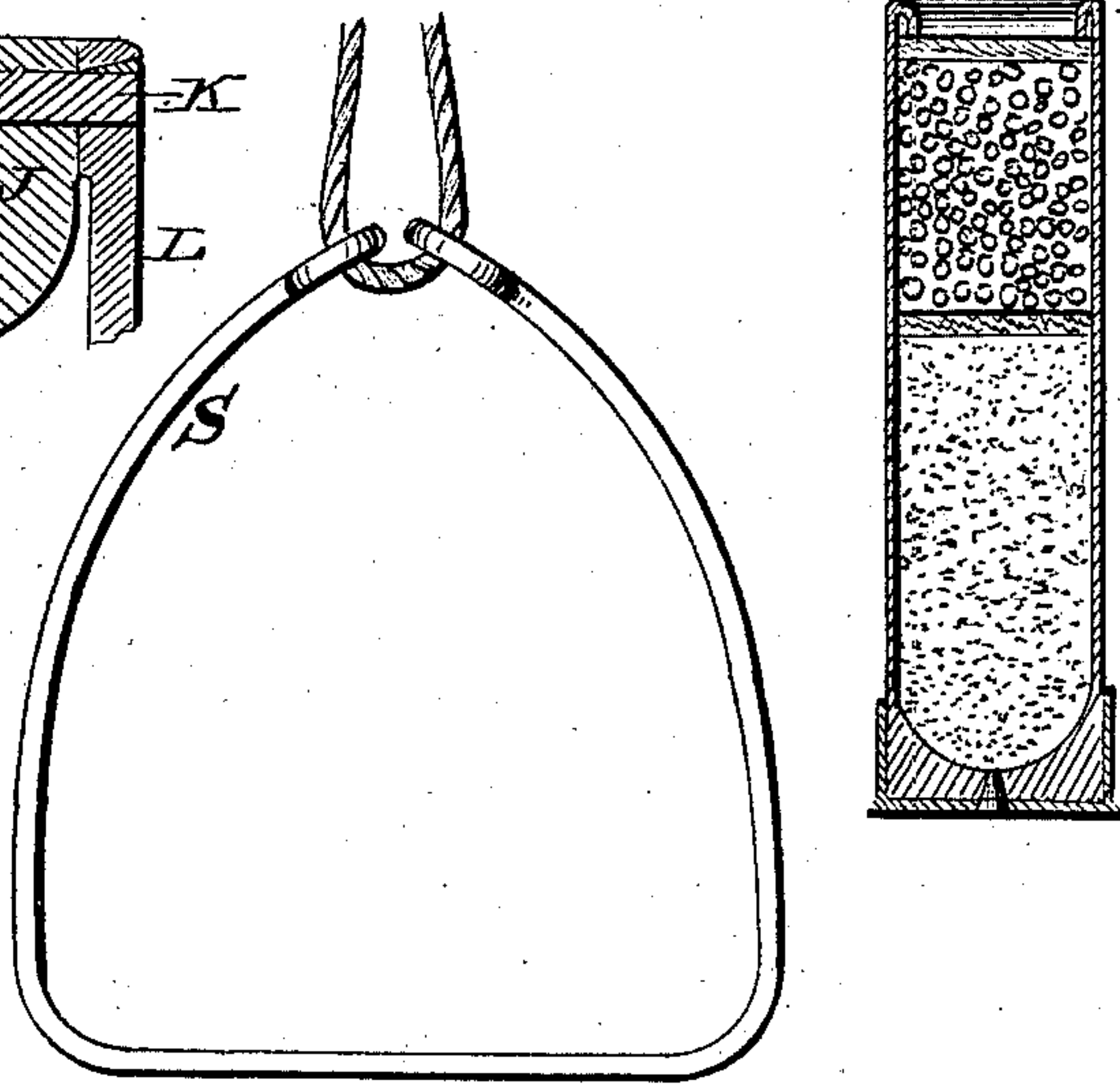
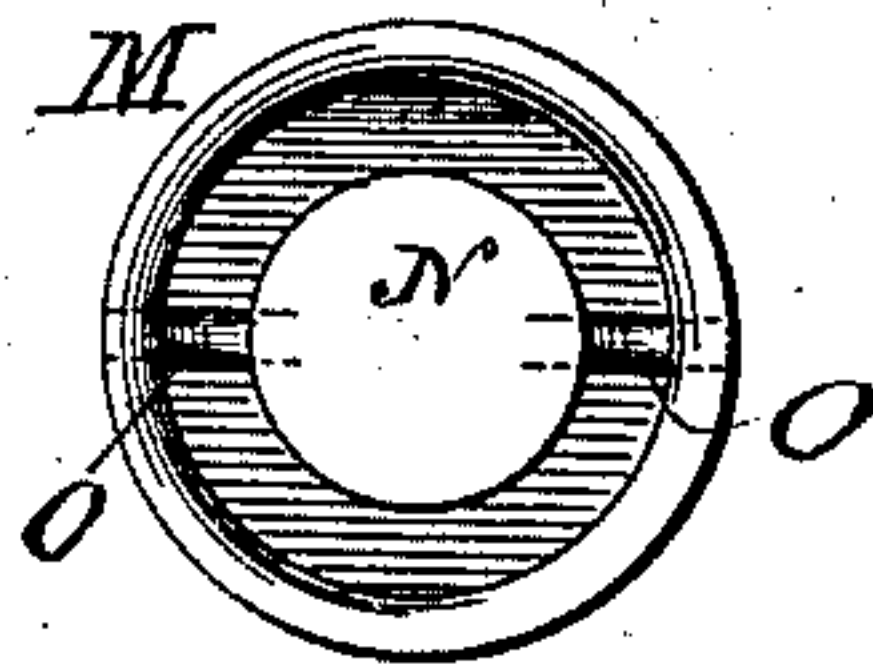


Fig. 3.



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UNITED STATES PATENT OFFICE.

ESTES A. FOLSOM, OF NEW HAVEN, CONNECTICUT.

CARTRIDGE IMPLEMENT.

SPECIFICATION forming part of Letters Patent No. 227,236, dated May 4, 1880.

Application filed February 24, 1880.

To all whom it may concern :

Be it known that I, ESTES A. FOLSOM, of New Haven, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Cartridge-Turning Implements; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a side view. Fig. 2 is a longitudinal sectional view. Fig. 3 is a detail view of the creaser; and Fig. 4 is a longitudinal sectional view of a shell creased by my improved apparatus.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to devices for turning or crimping cartridge-shells; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claim.

In the drawings hereto annexed, A represents the bed-piece of the machine, which is provided with a downward-projecting bracket, B, provided with a thumb-screw, C, by which it may be secured to the edge of any ordinary table.

The bed-piece A is provided with a longitudinal dovetailed groove, D, in which is fitted a slide, E, provided in its under side with a recess, F, in which is placed a suitably constructed and arranged spring, G, which serves to force the said slide toward the rear end of the bed-plate A.

The slide E is provided with an upward-projecting ring or bracket, H, having upon its front side a concavity or conical recess, I, adapted to receive the head or butt of the shell to be turned, which, owing to the shape of recess I, will fit nicely therein without regard to its size.

At its front end the bed-piece A is provided with an upward-projecting bracket, J, having a bearing for a shaft, K, to which a rotary motion may be imparted by a crank or handle, L.

The shaft K carries the creasing-tool, which

consists of a cap, M, facing the bracket H upon slide E, and adapted to receive the rim of a cartridge-shell.

Upon its inside the cap M is provided with a stud, N, which serves to brace the end of the cartridge during the operation, and with suitably-shaped teeth O O, by which the operation of turning in is performed.

To the front end of slide E is attached a chain, P, passing through an opening, Q, in the bed-plate near the front end of the latter. To the last link of said chain is attached a strong cord, R, carrying a stirrup, S, to receive the foot of the operator.

In operation the machine is secured to the edge of a table, and the loaded and wadded cartridge is adjusted between the bracket H and creasing-cap M, as shown. Pressure is then brought to bear upon the stirrup S, thereby forcing the slide E in a forward direction and pressing the rim of the shell against the crimper. The latter is now rotated by the crank or handle L, thus rapidly and neatly turning or crimping the rim of the shell.

I am aware that, broadly considered, the application of a flexible connection with a foot-lever for moving a sliding part of a machine is not new, and such I do not claim; but I am not aware that a cord and stirrup, arranged as herein shown, have been used for moving the slide of a cartridge-turning implement.

These devices, being usually small and portable, have no convenient means for the attachment of a foot-lever, the use of which is, by the construction herein shown, dispensed with.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of the bed-plate A, slide E, having recessed bracket H, rotating creasing-tool M N O, chain P, cord R, and stirrup S, all arranged and operating substantially as and for the purpose set forth.

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

ESTES A. FOLSOM.

Witnesses:

ADOLPH ASHER,
CHAS. W. FOSTER.