

(No Model.)

E. KRONENBERG.
CARTRIDGE CUTTER AND CRIMPER.

No. 308,775.

Patented Dec. 2, 1884.

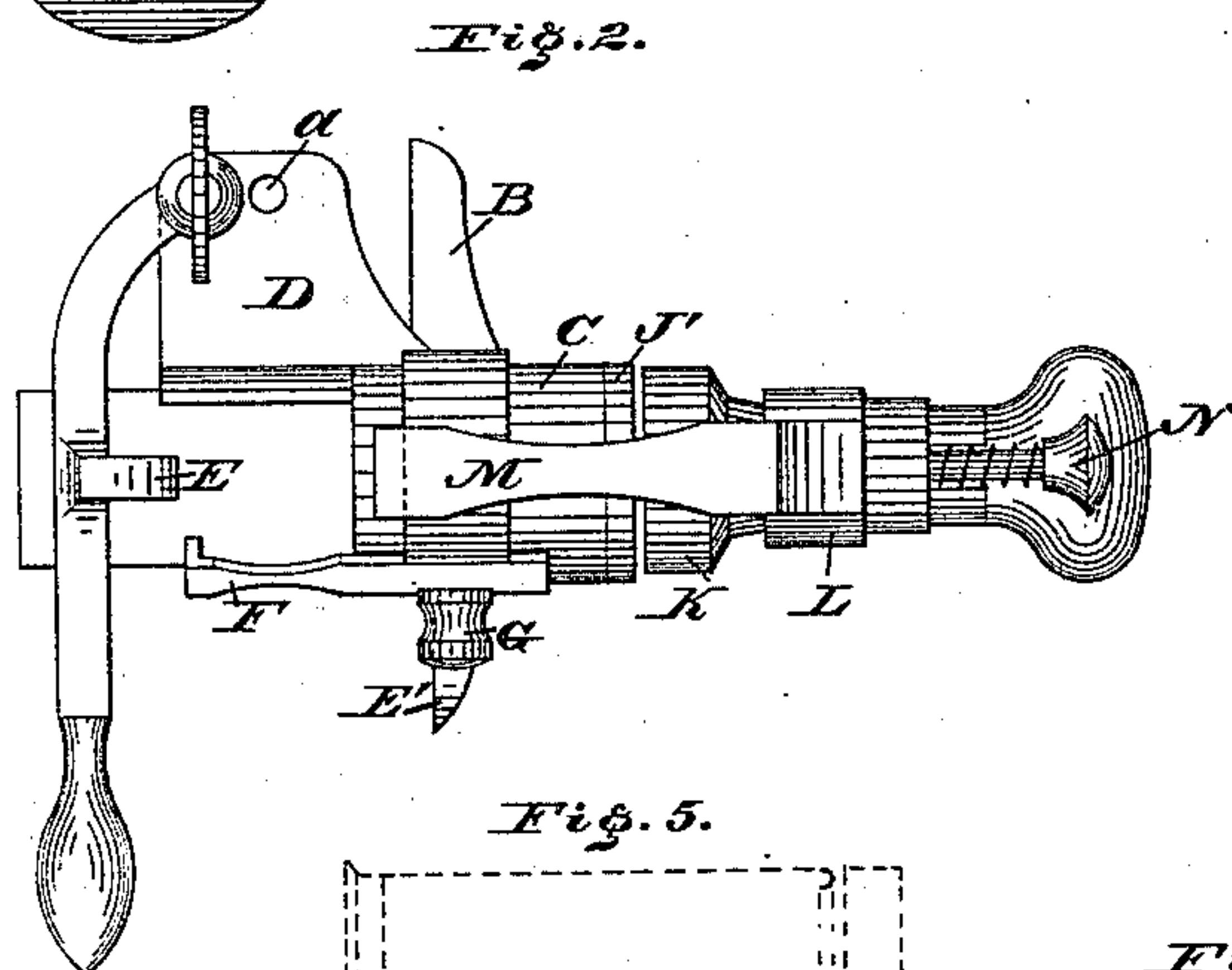
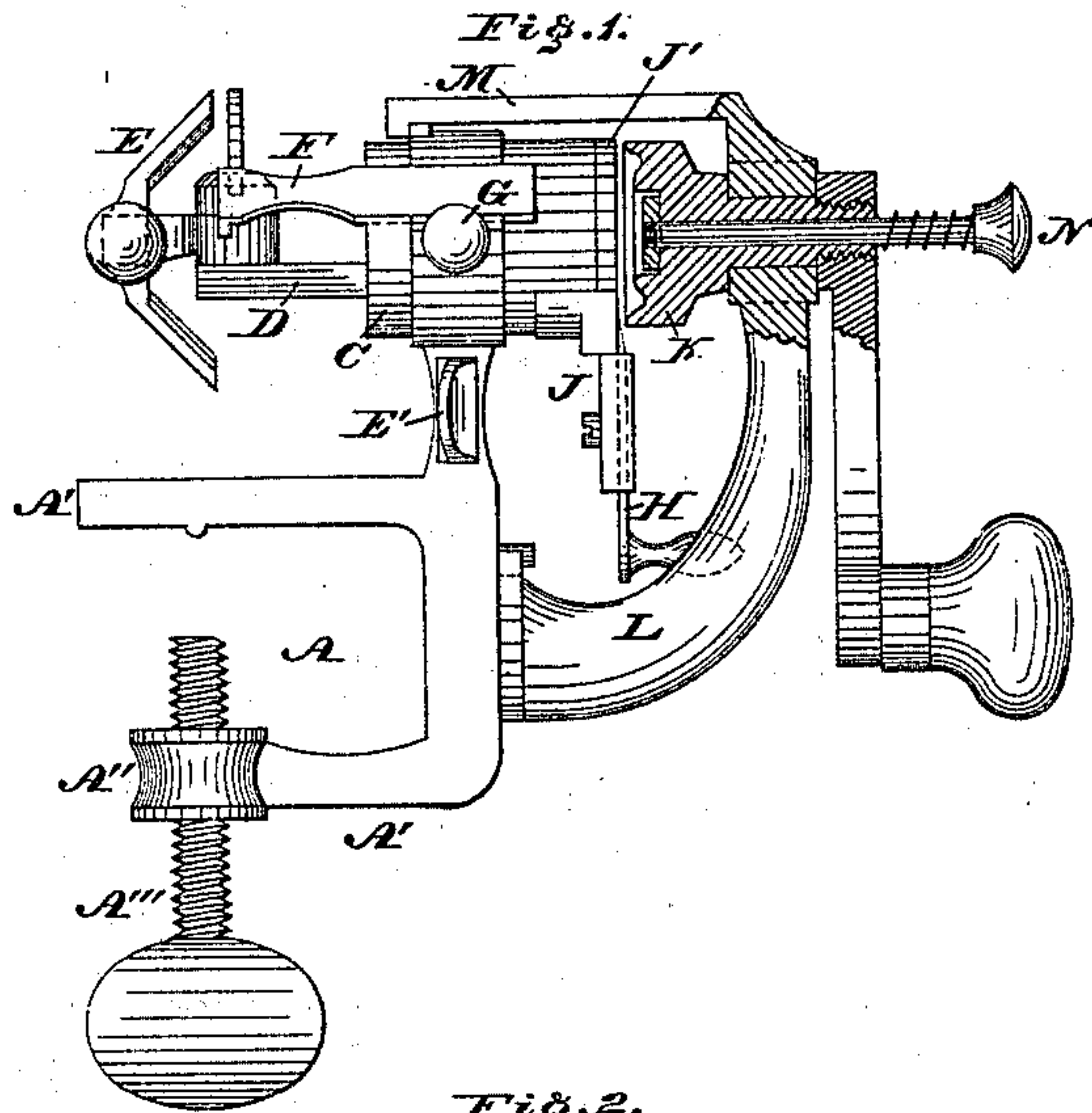
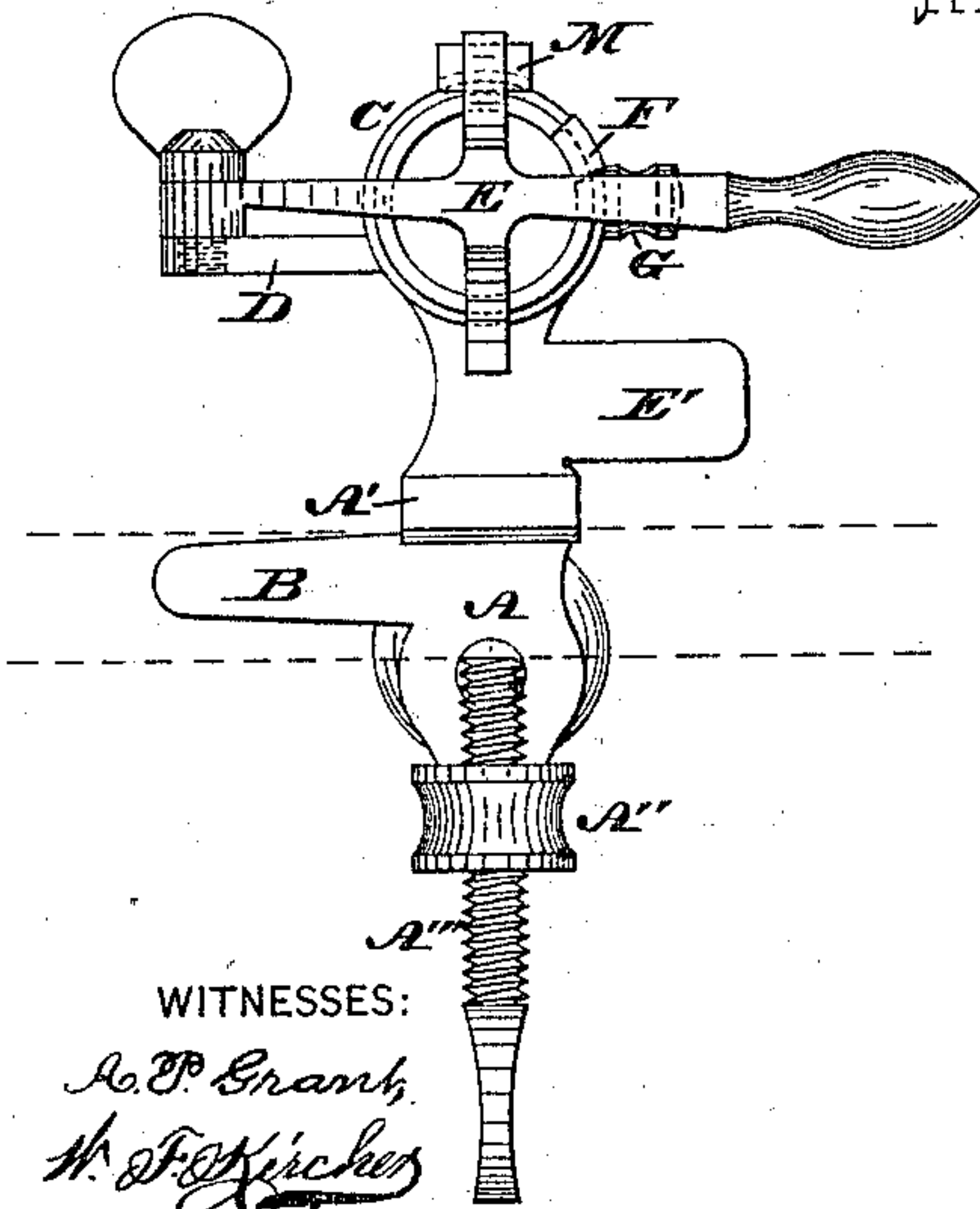


Fig. 3.



WITNESSES:
A. P. Grant,
W. F. Fischer

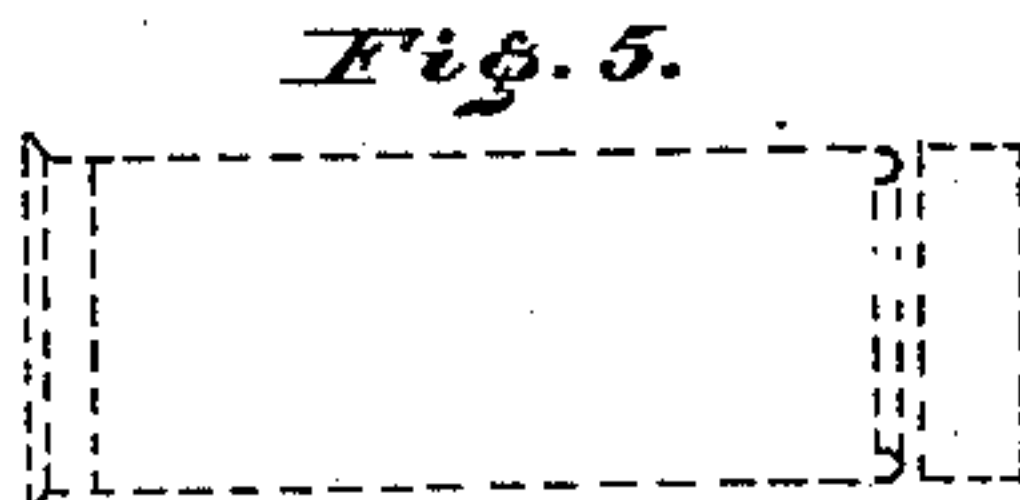
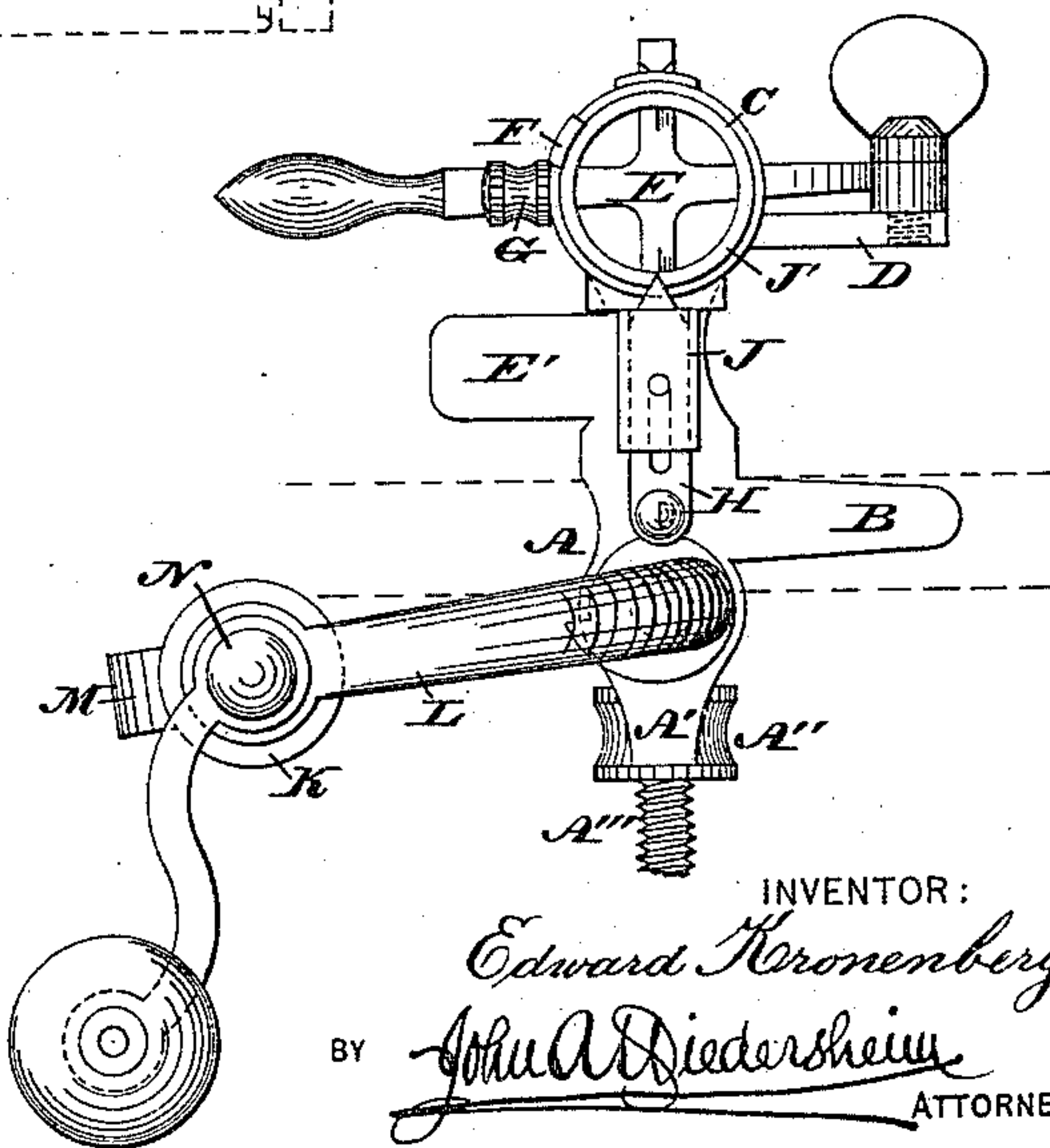


Fig. 4.



INVENTOR:
Edward Kronenberg,
BY John A. Diederichsen
ATTORNEY.

UNITED STATES PATENT OFFICE.

EDWARD KRONENBERG, OF PHILADELPHIA, PENNSYLVANIA.

CARTRIDGE CUTTER AND CRIMPER.

SPECIFICATION forming part of Letters Patent No. 308,775, dated December 2, 1884.

Application filed May 2, 1884. (No model.)

To all whom it may concern:

Be it known that I, EDWARD KRONENBERG, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Cartridge Cutters and Crimpers, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a side elevation of a cartridge cutter and crimper embodying my invention, a portion thereof being in section. Fig. 2 is a top or plan view thereof. Figs. 3 and 4 are views of opposite ends thereof. Fig. 5 is a representation in dotted lines of a cartridge trimmed or cut and crimped by the device.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of the stand or support of a cartridge cutter or crimper, having a wing for preventing shifting of the device during the operation of cutting or crimping the cartridge.

It consists, also, of an adjustable gage for the cartridge receiver, the construction thereof being hereinafter fully set forth.

It also consists of a knife which is supported on the cartridge-receiver in such manner that it may be run around the cartridge in order to cut or trim the same.

It also consists of other details of construction, hereinafter fully set forth and definitely claimed.

Referring to the drawings, A represents a stand or support, which is formed with arms A' A', a boss, A'', connected with one of said arms, and provided with a screw, A''', which latter is fitted to said boss, whereby the stand may be clamped to a table, shelf, &c., the latter entering between the arms and having the screw tightened against it.

B represents a wing, which is connected with the portion of the stand adjacent to the arms A', and projects horizontally therefrom in such manner as to abut against the edge of the table, shelf, &c., when the stand is prevented from shifting laterally or turning on the arms as a pivot during the cutting and crimping operations, hereinafter described, and thus the device remains firmly in position.

On the stand above the arm A' is mounted a tubular support, C, for the cartridge, and

adjacent thereto is formed a ledge, D, on which is pivoted a holder, E, which is adapted to press against the head of the cartridge, said ledge having two or more openings, a, so that the holder may be removed and set in either opening, and thus adjusted radially relatively to the length of the cartridge, in order to bear squarely on the head thereof.

F represents an adjustable gage, which is secured to the support C, or fastening therefor, and extends in the longitudinal direction of the device, and consists of a sliding bar, which is fitted in a groove or recess in the support or receiver C, one end being adjacent to the holder E, so as to receive the flange of the cartridge, the other end being held by a screw, G, which is fitted to the support C, or fastening therefor, and adapted to tighten against the gage, so as to hold the same firmly in its adjusted position.

H represents a knife or blade, which is fitted to a stock or carrier, J, the latter being attached to an annulus or band, J', which circumscribes the end of the tubular support C opposite to the holder E, and is swiveled thereto so as to rotate thereon, said knife being adapted to be moved toward the edge of the support C and within the same, and afterward removed therefrom, it being seen that the knife is permitted to slide in the stock J; but it may be pivoted thereto and accomplish the same purpose as the sliding motions.

K represents a rotating crimping-head, which is mounted on an arm, L, the latter being pivotally connected with the stand A, so as to be swung from the end of the support C, when so required, as shown in Fig. 4, and returned thereto, as shown in Fig. 2, said arm having a bar or plate, M, which is adapted to tighten on the support or fastening therefor, so as to firmly hold the head K during rotation.

The operation is as follows: The holder is thrown back and the crimper-head swung down. A cartridge, preferably of paper, is then introduced into the support, its end projecting beyond the edge of the same, regulated by the gage, after which the holder is restored and pressed firmly against the head of the cartridge, the thumb bearing on the rest E', which projects from the stand A. The knife or blade is now advanced and forced into the cartridge

and turned around on the support as an axis, thus cutting off the projecting end of the cartridge, and either trimming or shortening the same, as required. The knife is let go, and thus clears the support, so that the crimping-head may be returned and located opposite to the cut or trimmed edge of the cartridge, which being accomplished the crank-handle of said holder is rotated and the cartridge forced by the holder in contact with the head, and thereby crimped. The holder is again thrown back and the cut and crimped cartridge removed, after which another cartridge may be introduced. Should the cartridge adhere to the holder, it may be relieved and removed by means of a plunger, N, which is inserted in a recess on the inner face of the crimping-head, and provided with a suitable operating handle or knob.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a cartridge cutter or crimper and the cartridge-receiver C thereof, of the supporting stand or frame having a horizontally-extending wing, B, for preventing lateral shifting of the device, said wing being connected with the stand adjacent to the clamp thereof, substantially as and for the purpose set forth.

2. The cartridge-receiver C, in combination with a holder or clamp pivoted thereto, and an adjustable gage consisting of a sliding bar, F, which is fitted in a recess in said receiver, and secured by a screw, G, connected with the

same, said bar sustaining the flange of the cartridge, and located at the end of the receiver C adjacent to said holder or clamp, substantially as and for the purpose set forth.

3. The cartridge support or receiver provided with a knife consisting of a blade connected with an annulus or band, which latter freely encircles said receiver, so that the knife is rotatable around the cartridge, substantially as and for the purpose set forth.

4. A cartridge-cutting knife connected with a carrier and sliding therein, in combination with a rotating annulus which encircles the cartridge-receiver, and has said carrier connected with it, substantially as and for the purpose set forth.

5. A cartridge-receiver, in combination with a crimping device pivoted to the support of the receiver, and a cutter or trimming-knife having its bearings rotatably fitted to said receiver at the end adjacent to the crimping device, substantially as and for the purpose set forth.

6. A cartridge-receiver, in combination with a ledge, D, connected with said receiver, and a holder or clamp, E, pivoted to said ledge, said ledge having two or more openings, a, whereby the holder or clamp may be adjusted relatively to the length of the cartridge, substantially as and for the purpose set forth.

EDWARD KRONENBERG.

Witnesses:

JOHN A. WIEDERSHEIM,
A. P. GRANT.