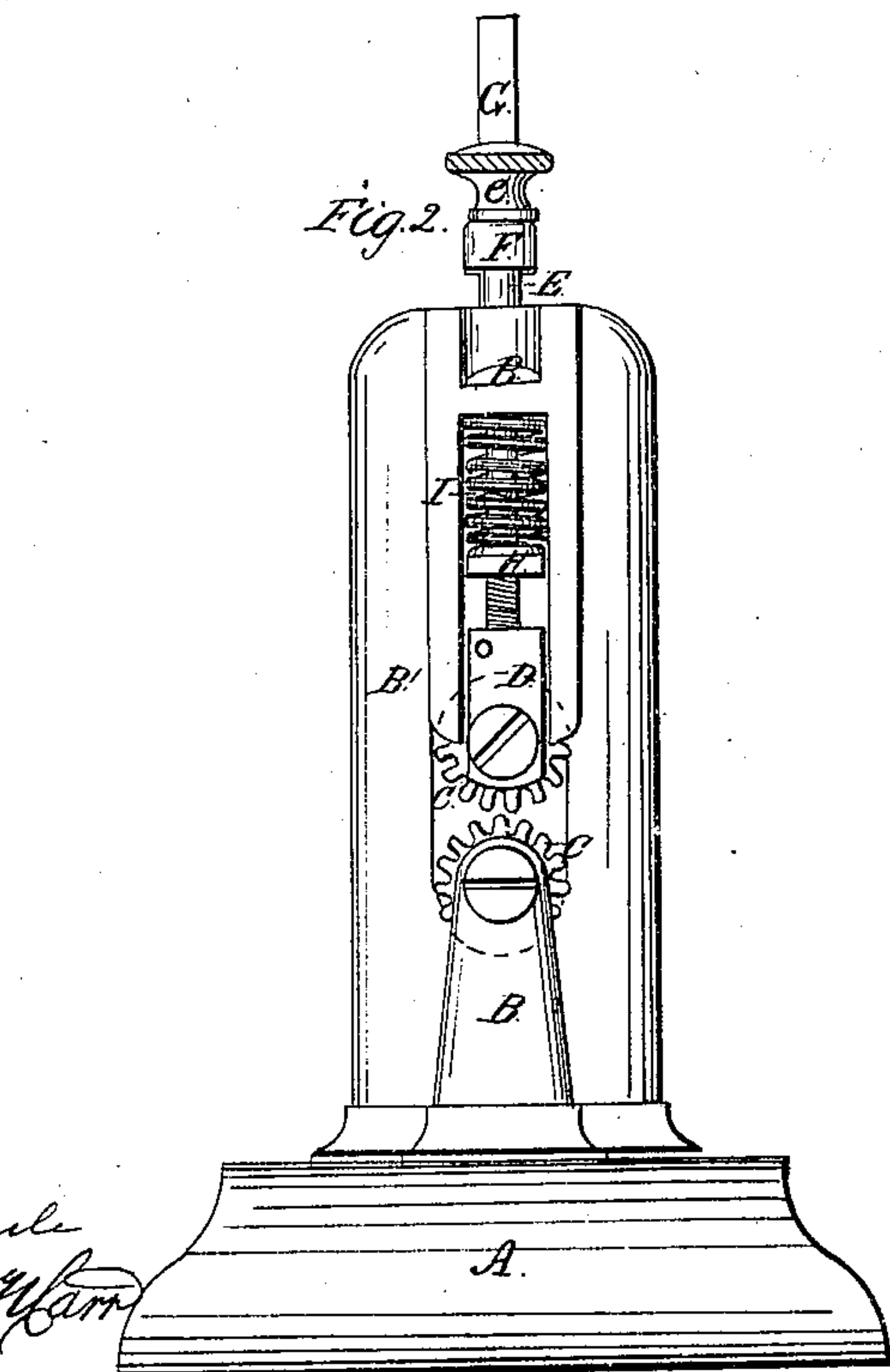
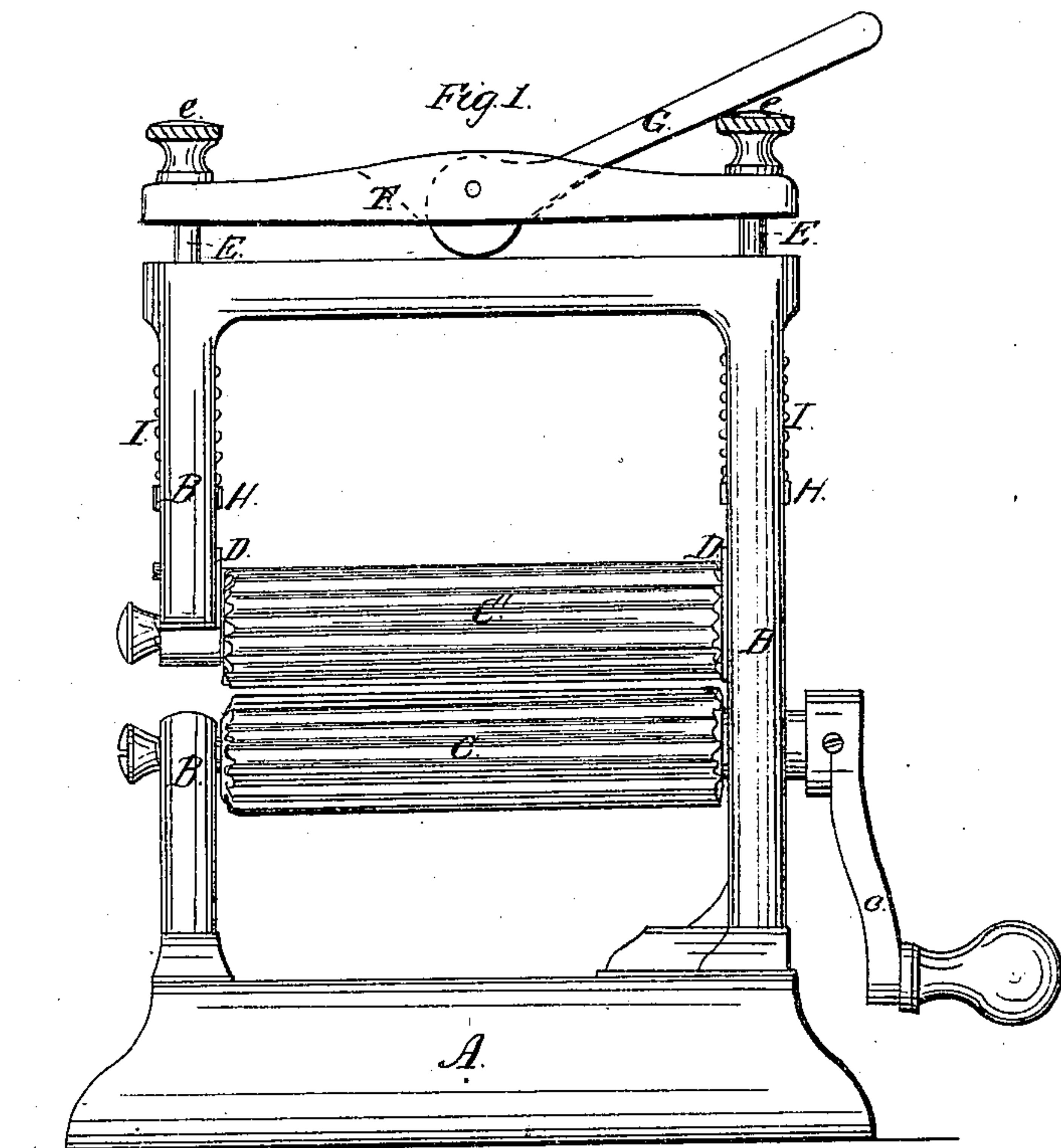


C. Schortan.
Fluting Mach.

Nº 92,374.

Patented Jul. 6, 1869.



Witnesses.

E. Edelucile
Saml. J. Warr

Inventor.

Chas. Schortan.
by Prindle & Dyer, Attys.

United States Patent Office.

CARL SCHORTAU, OF NEW YORK, N. Y., ASSIGNOR TO HIMSELF
AND A. L. BOGART, OF SAME PLACE.

Letters Patent No. 92,374, dated July 6, 1869.

IMPROVEMENT IN FLUTING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, CARL SCHORTAU, of New York city, in the county of New York, and in the State of New York, have invented certain new and useful Improvements in Fluting-Machines; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a front elevation of my improved fluting-machine, and

Figure 2 is an end elevation of the same.

Letters of like name and kind refer to like parts in each of the figures.

My invention relates to a class of devices having for their object the fluting or crimping of portions of ladies' wearing apparel, which object is accomplished by means of two fluted rollers, pressed together by springs, and between which the fabric to be operated upon is drawn by the rotation of said rollers; and

Said invention consists in the means employed for raising the upper roller, so as to permit of the insertion of the cloth, combined with the devices for adjusting the tension of the springs, and, consequently, the pressure of the rollers upon said cloth.

In the annexed drawing—

A represents a base, from which extends vertically the standards or frame B B', for supporting the rollers C C', and other mechanism connected therewith.

The lower roller, C, is journaled in said standards, in the usual manner, while the upper roller, C', is journaled within boxes D D, which slide vertically within slots in said standards, so as to permit of the adjustment of said rollers to and from each other.

For convenience in placing the article to be crimped between said rollers, the standard B has a lateral opening immediately above the journal of the lower roller.

A crank, e, is attached to the lower roller, for imparting to it the required motion, which is in turn imparted to the upper roller by means of the corrugations, which engage with those upon said roller.

E E represent two rods, extending from above, through the frame and slots, and having their lower ends swivelled within the tops of the boxes D D.

Said rods also pass through the ends of a bar, F,

corresponding in length to the width of the frame, and are provided, at their upper ends, with heads, e e, by means of which, if said bar is elevated, the bolts are raised, carrying with them the boxes and rollers.

Pivoted within a vertical longitudinal slot in the bar F is an eccentric lever, G, which bears upon the upper part of the frame immediately beneath the bar, and furnishes a means by which said bar may be elevated or depressed, it being readily seen that, as said lever is turned to one side or the other, the large or small radius of the eccentric is interposed between said bar and the frame.

The lower portion of each rod E is provided with a screw-thread, upon which a nut, H, having a corresponding thread, is placed, said nut being fitted to the grooves in the standards, and having a vertical motion only, so that if said screw is revolved, said nut will be either raised or lowered.

A spiral spring, I, is placed around each rod, between the nut and upper end of the slot, and exerts a downward pressure upon said nut, and, through it, the rod E, and the box D, upon the upper roller, which pressure may be varied, as desired, by adjusting said nut up or down.

It is believed that the within-described devices for raising the upper roller, and for regulating the tension of the springs, are so simple, effective, and durable, that by their employment the machine is rendered the most useful and desirable of any in use.

Having thus fully set forth the nature and merits of my invention,

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

The within-described devices for raising the roller and adjusting the tension, consisting of the rods E E, bar F, eccentric lever G, nuts H H, and springs I I, in combination with the boxes D D, rollers C C', and frame A, B, and B', substantially as shown, and for the purpose specified.

In testimony that I claim the foregoing, I have hereunto set my hand, this 20th day of May, 1869.

CARL SCHORTAU.

Witnesses:

A. L. BOGART,

DAVID RUDERFORD.