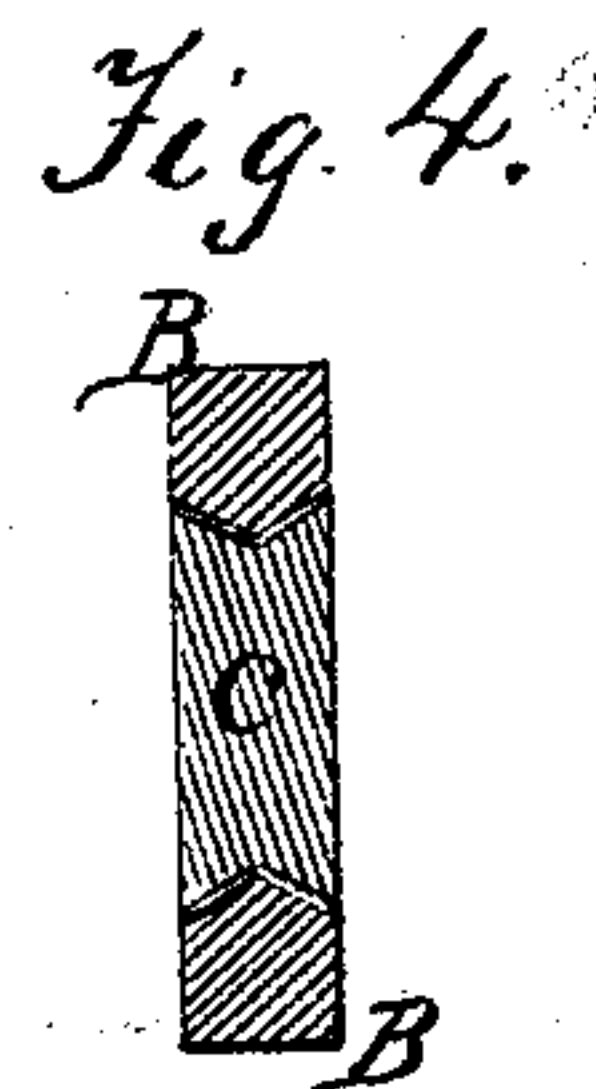
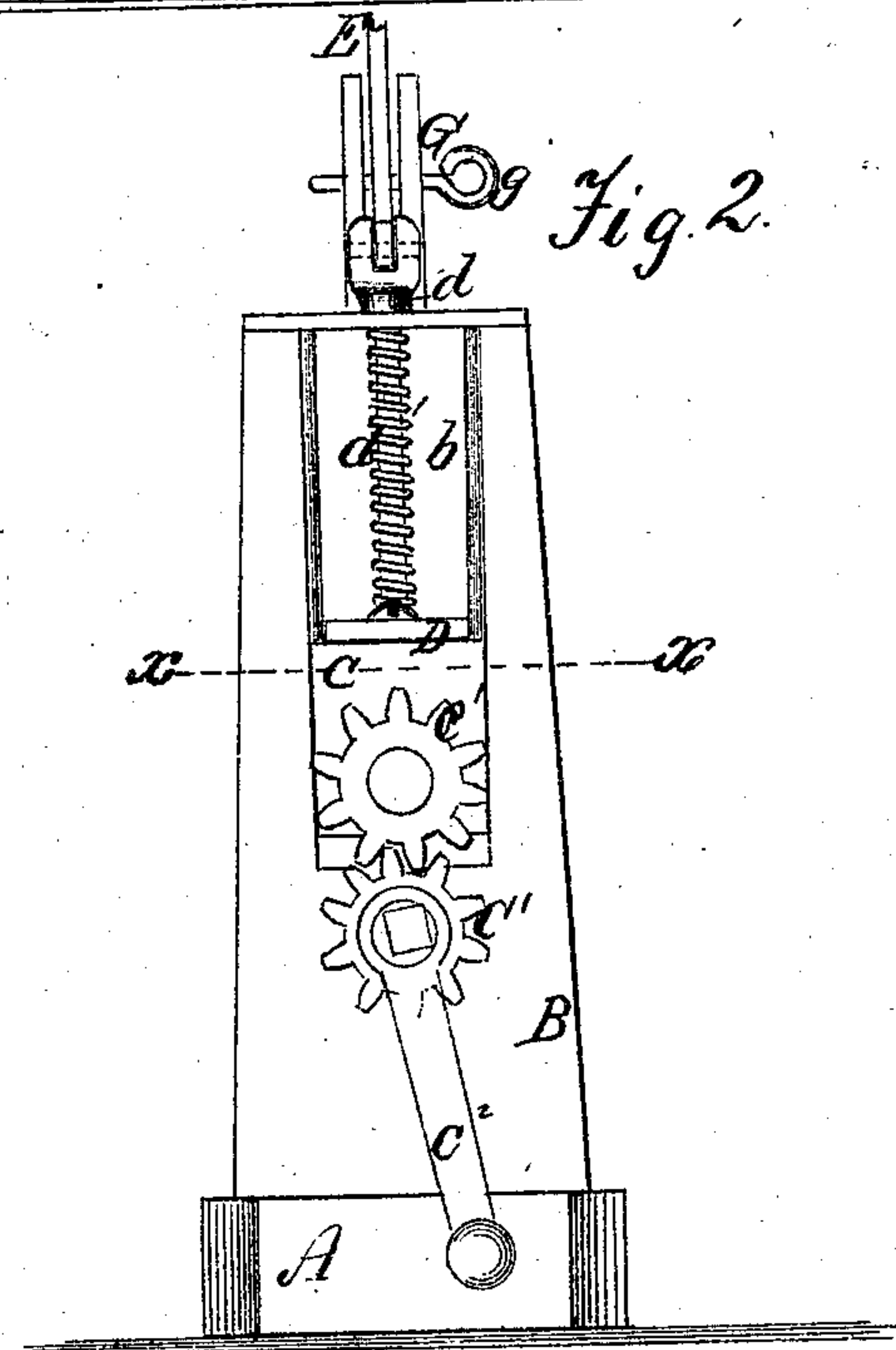
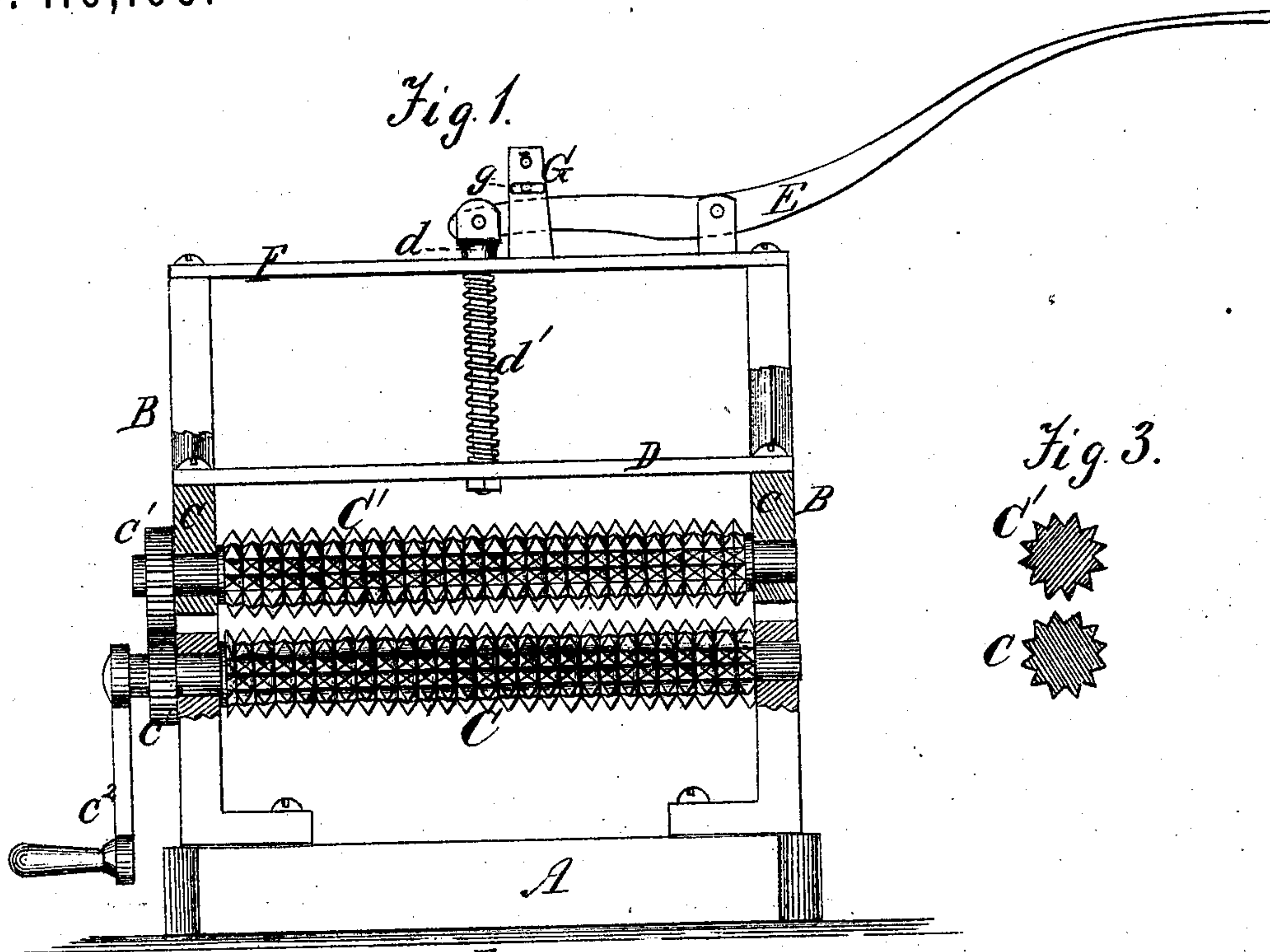


O. P. DENNISON.

Improvement in Meat Crushers.

No. 116,166.

Patented June 20, 1871.



Witnesses:

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J. H. Hester.

Per

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UNITED STATES PATENT OFFICE.

OLIVER P. DENNISON, OF MULBERRY, OHIO.

IMPROVEMENT IN MEAT-CRUSHERS.

Specification forming part of Letters Patent No. 116,166, dated June 20, 1871.

To all whom it may concern:

Be it known that I, OLIVER P. DENNISON, of Mulberry, in the county of Clermont and State of Ohio, have invented a new and useful Improvement in Meat-Crushers; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawing forming a part of the same, and in which—

Figure 1 refers to a side or front view of my improved meat-crusher. Fig. 2 represents an end view thereof; Fig. 3, sectional views of the crushers proper or toothed rollers; and Fig. 4, a sectional view of one of the uprights or slotted posts and the movable bearing of one of the crushers proper taken through the line *x x* of Fig. 2.

Similar letters of reference in the several figures refer to like parts.

This invention has reference to an improved meat-crusher; and it consists of a vertically-movable toothed roller or crusher operated and controlled by a lever and spring, in combination with a roller or crusher, the bearing-plates or surfaces of which are fixed or stationary, substantially as hereinafter more particularly described and claimed.

To enable others to make and use my invention, I will proceed to describe its construction and operation.

A in the annexed drawing refers to a base-piece, which may be a bench or other suitable support, to which the right-angular portions of the uprights or slotted posts are secured by means of screws or otherwise. B B refer to two uprights or posts, which are supplied in their upper portions with vertical slots or openings *b*, the walls of which are beveled from their centers and on each side thereof, causing them to assume a convex shape, or nearly so, whereby the correspondingly-beveled, vertically-movable bearing-plates of the movable roller are guided and held in place. C C' refer to two rollers or the crushers proper, between which the meat is passed when it is desired to crush the same for the purpose of so preparing it as that it will admit of mastication more easily than otherwise, the bearings of the lower one, C, of which being fixed or stationary, and cut in the standards or posts B B, while the bearings of the upper one, C', consist of blocks *c c* capable of being moved vertically within the slotted posts above re-

ferred to. These rollers are constructed upon their peripheries with conically-shaped teeth, as plainly shown in Fig. 1, for the purpose of crushing or macerating the meat while passing between the same. D refers to a horizontal plate, which is bolted or screwed to the bearing-plates *c c* of the roller C', and to which is bolted a central vertical bar, *d*, embraced by a coiled or spiral spring, *d'*, and receiving one end of the lever, hereinafter referred to. Through the spring *d* downward pressure is exerted upon the crusher or roller C'. E refers to a hand-lever having its fulcrum between lugs or projections fastened to the transverse piece F of the post B B, and pivoted, as above stated, to the bar *d*. By means of this lever the vertically-movable roller C' is elevated. When pressure is relieved from said lever the spring *d* will depress the said roller C' and also retain it down in position contiguous to the roller C, as shown in Fig. 1. The projecting ends of the shafts or axles of the rollers or crushers C C' are supplied with cog-wheels or pinions *c¹ c¹*, which gear into each other and impart motion to each of said rollers simultaneously when the crank or handle *c²* is revolved. G refers to a bifurcated upright or brace, which is bolted or screwed, at its horizontal or lower part, to the cross-piece F of the posts B B, and through which the lever E passes. The cheeks or sides of this brace or upright are supplied each with a number of apertures, which receive a pin, *g*, the object of which is to secure the lever E in place when elevated or depressed, whereby the roller C' may be securely and readily retained in an elevated or depressed position when occasion requires such.

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

The roller C', movable bearing-plates *c c*, and plate D, in combination with the frame A B B, stationary roller C, spring *d'*, bar *d*, and lever E, substantially in the manner shown and for the purpose described.

In testimony that I claim the foregoing as my invention, I have hereunto signed my name this 18th day of May, A. D. 1871, in presence of subscribing witnesses.

Witnesses: OLIVER P. DENNISON.

T. C. COOK,

J. B. JULIEN.