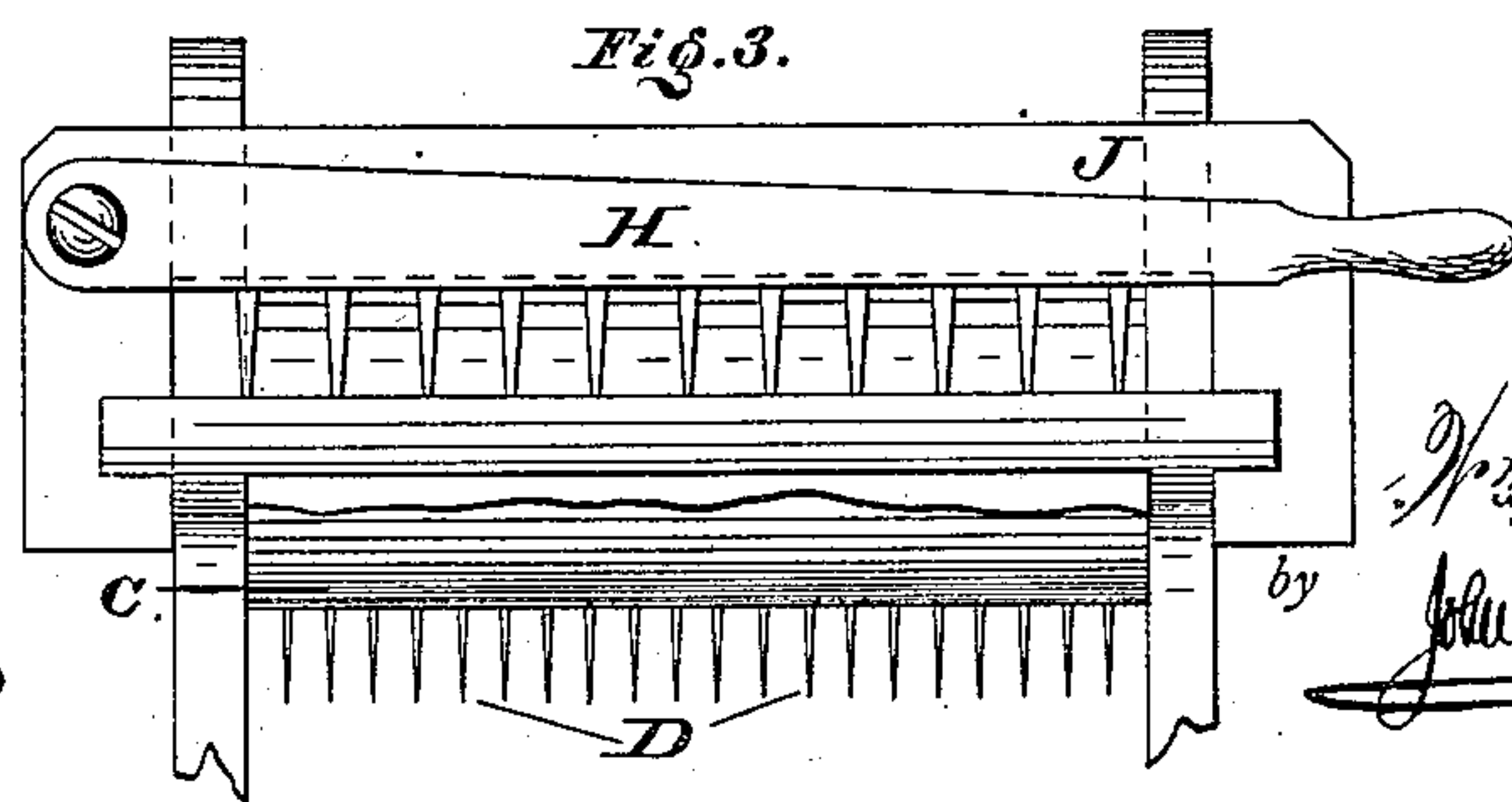
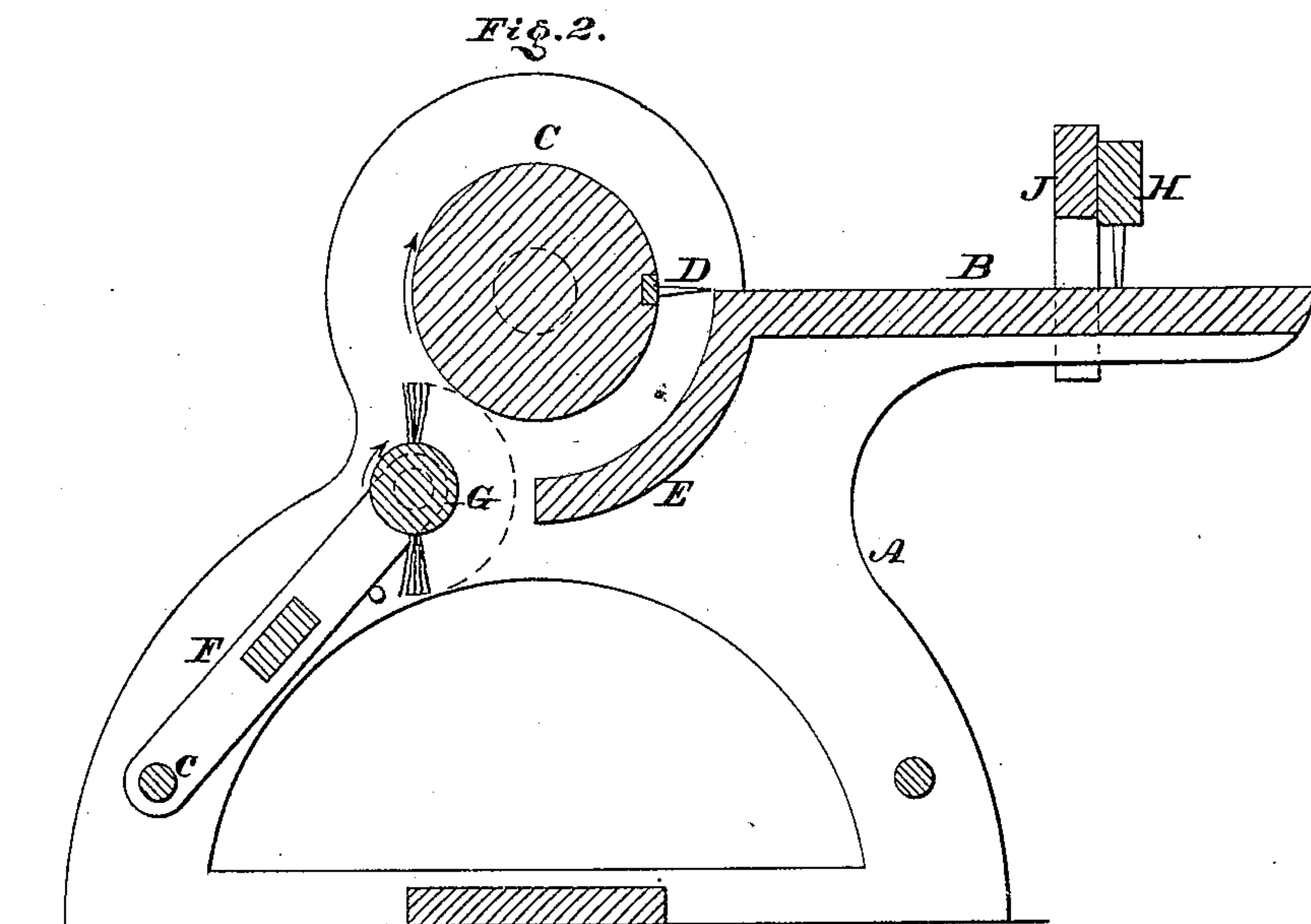
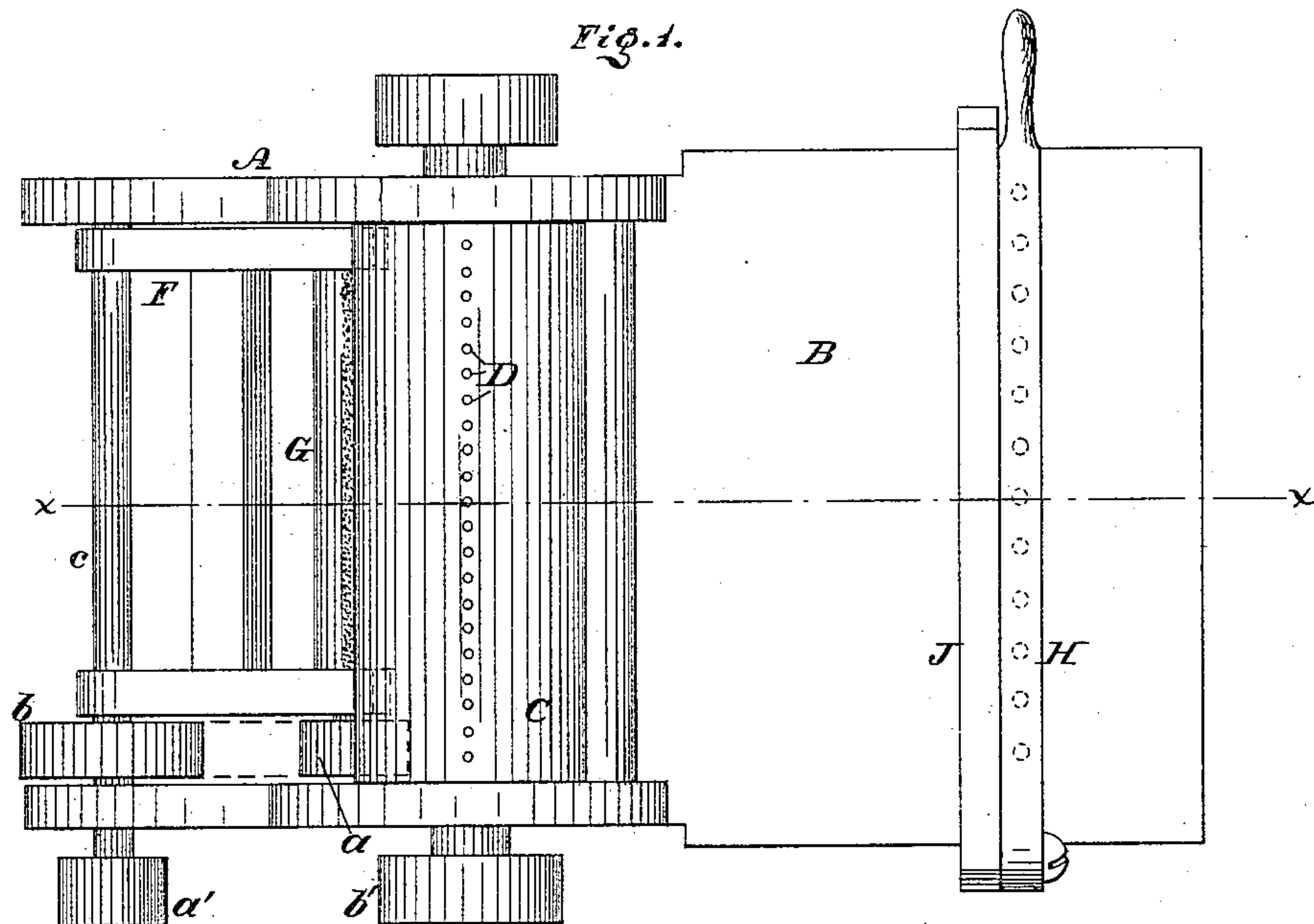


(No Model.)

W. A. WRIGHT.
Apparatus for Cutting Corn Husks

No. 234,640.

Patented Nov. 16, 1880.



Witnesses:

A. P. Grant,
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Inventor:

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WILLIAM A. WRIGHT, OF CENTRETON, NEW JERSEY, ASSIGNOR OF TWO-THIRDS TO JOSEPH B. DE YOUNG AND CHARLES Z. DE YOUNG, OF PHILADELPHIA, PENNSYLVANIA.

APPARATUS FOR CUTTING CORN-HUSKS.

SPECIFICATION forming part of Letters Patent No. 234,640, dated November 16, 1880.

Application filed May 19, 1880. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM A. WRIGHT, a citizen of the United States, residing at Centreton, in the county of Burlington, State of New Jersey, have invented a new and useful Improvement in Apparatus for Cutting or Slicing Corn-Husks, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a top or plan view of the apparatus embodying my invention. Fig. 2 is a central vertical section thereof in line *x x*, Fig. 1. Fig. 3 is a front view of a portion thereof.

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

My invention consists of an apparatus or machine for cutting corn-busks having rotary cutters, a suitable bed, and a sliding clamp for holding the husks.

It also consists of a clearer mounted on a swinging frame, for stripping the knives and drum thereof of the husks as cut or sliced.

Referring to the drawings, A represents a frame, which is provided with an apron or table, B, and on which is mounted a drum or roller, C, from the periphery whereof project cutters D, which are separated one from another, or made adjustable relatively to the required width of the strips or shreds into which the husks are to be cut.

On the inner end of the table B, and beneath the drum C, is a curved bed, E, the curvature being coincident with the path of the knives or cutters D.

To the frame A is connected a swinging frame, F, on whose upper end is mounted a rotary clearer, G, consisting of bristles or fingers fitted to a journaled head or roller, which receives motion from a belt passing around a pulley, *a*, on said head or roller and a pulley, *b*, on the shaft *c*, which latter constitutes the axis of said frame F, and carries a pulley, *a'*, to which power is communicated by means of a pulley, *b'*, on the shaft of the cutter-drum C, or other gearing, it being noticed that the clearer G and said drum C rotate in the same direction.

H represents a lever with downwardly-projecting teeth, pivoted to a slide, J, whose sides are grooved or formed with guides to fit the sides of the apron or table B, so that while the slide is permitted to be moved to and from the cutters D it is prevented from vertical disengagement.

The operation is as follows: The lever H is raised and a husk, with the stalk end toward the operator, placed on the table B and held by the lever, is pushed to the cutters D by advancing the slide-clamp H J, power having been properly applied to the drum or roller C and the rotary clearer G. The cutters slice the husk into shreds or strips the length of the husk, the shreds or strips passing between the drum C and bed E as the husk is advanced. The clearer G forces the shreds or strips down from the cutters D, and also prevents them from winding on the drum. It will be noticed that the outer ends of the cutters describe a greater circle than the drum. Consequently when the cutters reach the clearer the latter is forced away by the former and its frame F caused to swing on the axial shaft *c*, so as to permit the cutters to pass the clearer, without, however, avoiding the stripping action thereof. As soon as the cutters clear the brushes or fingers of the clearer the frame G returns to its normal position and causes the brushes or fingers to sweep the circumference of the drum C unoccupied by the cutters D. When the length of the husk, excepting the stalk or stub, is entirely cut the slide J is drawn back, the lever H raised, and the husk removed, after which a fresh husk is applied and the operations of slicing, &c., are repeated.

The bed E sustains the husk during the cutting thereof, and its lower end being open permits the escape of loose cutting, dirt, &c., the rotary clearer G also serving as a fan to assist said escape. The stalk or stub of the husk is severed preferably after the cutting operations.

Although I have shown one row of cutters, the number thereof may be increased as desired.

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

1. The combination, with the feed-table of
5 the rotary cutter, of a clamp consisting of the slide J and the lever H, substantially as and for the purpose set forth.
2. The rotary cutter D, in combination with

the rotary clearer G, substantially as and for the purpose set forth.

3. The combination, with the rotary cutter, of the clearer mounted on a swinging frame, substantially as and for the purpose set forth.

Witnesses: WM. A. WRIGHT.

JOHN A. WIEDERSHEIM,
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