

J. T. HENNAMAN.

Improvement in Cigar-Bunching Machines.

No. 130,496.

Patented Aug. 13, 1872.

Fig.1.

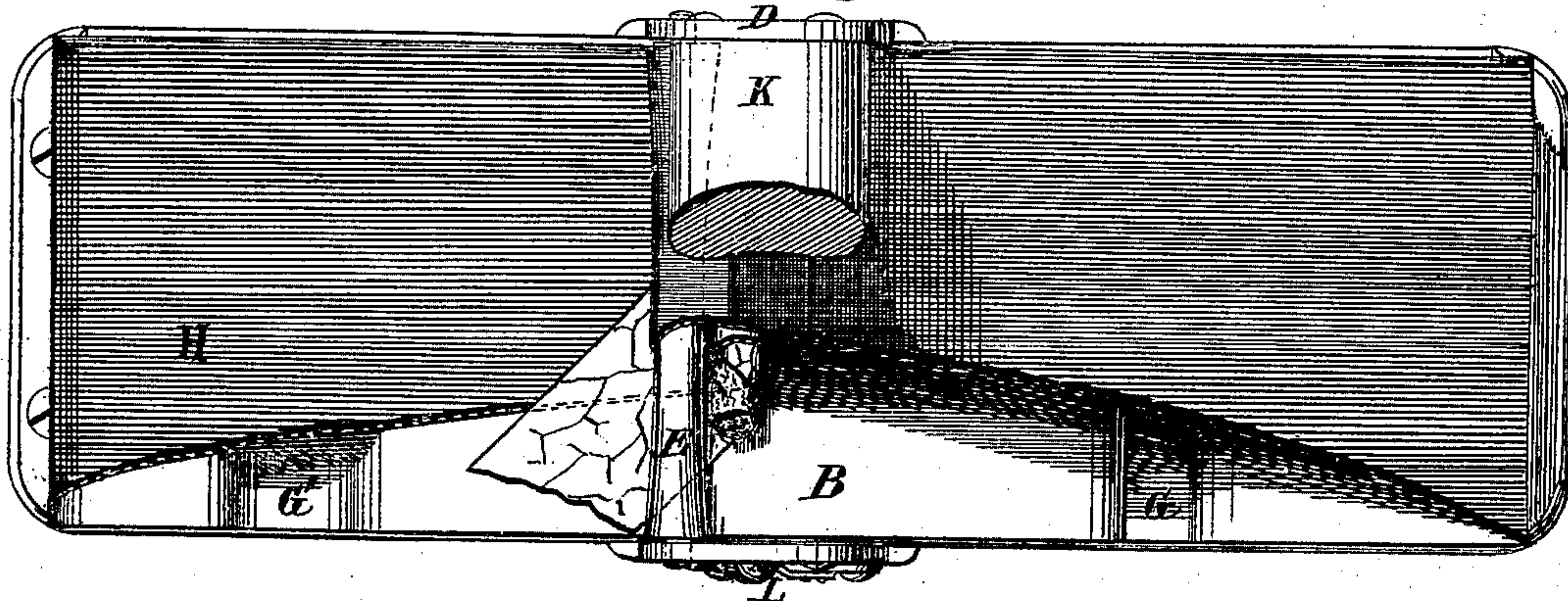


Fig.2.

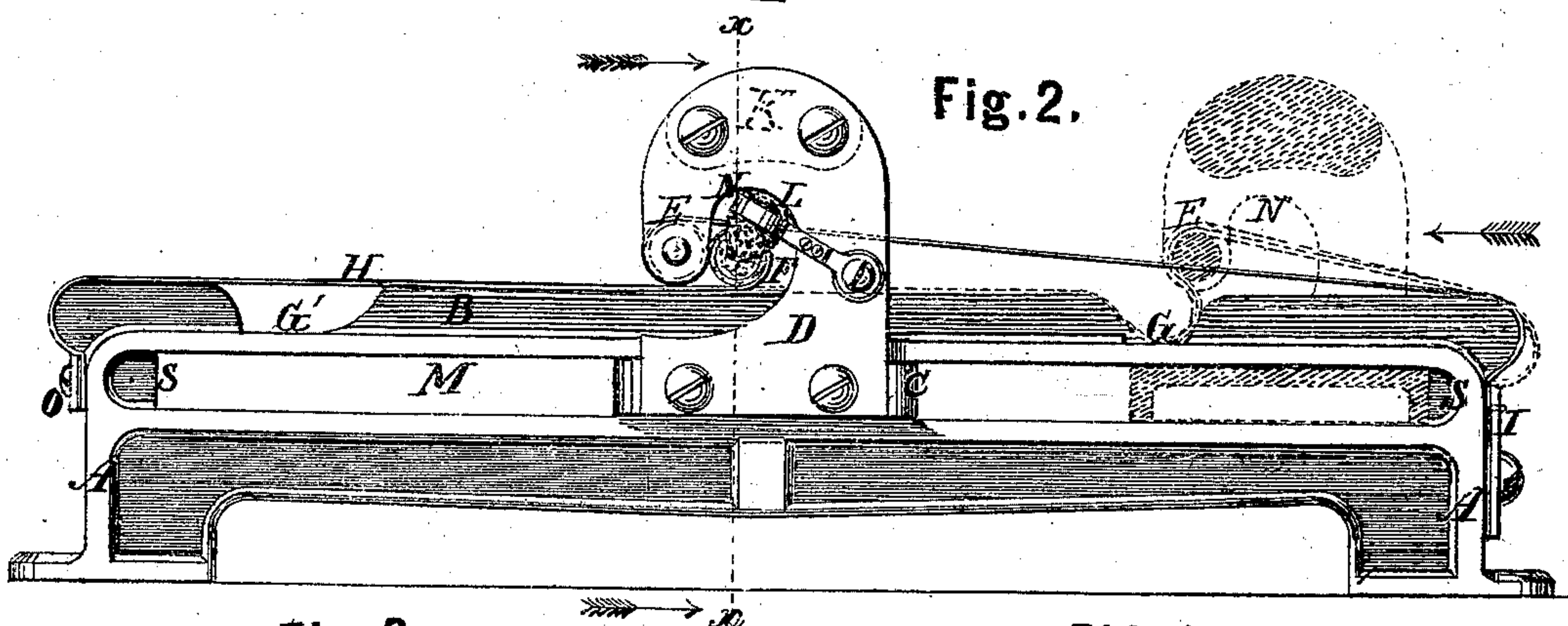


Fig.3.

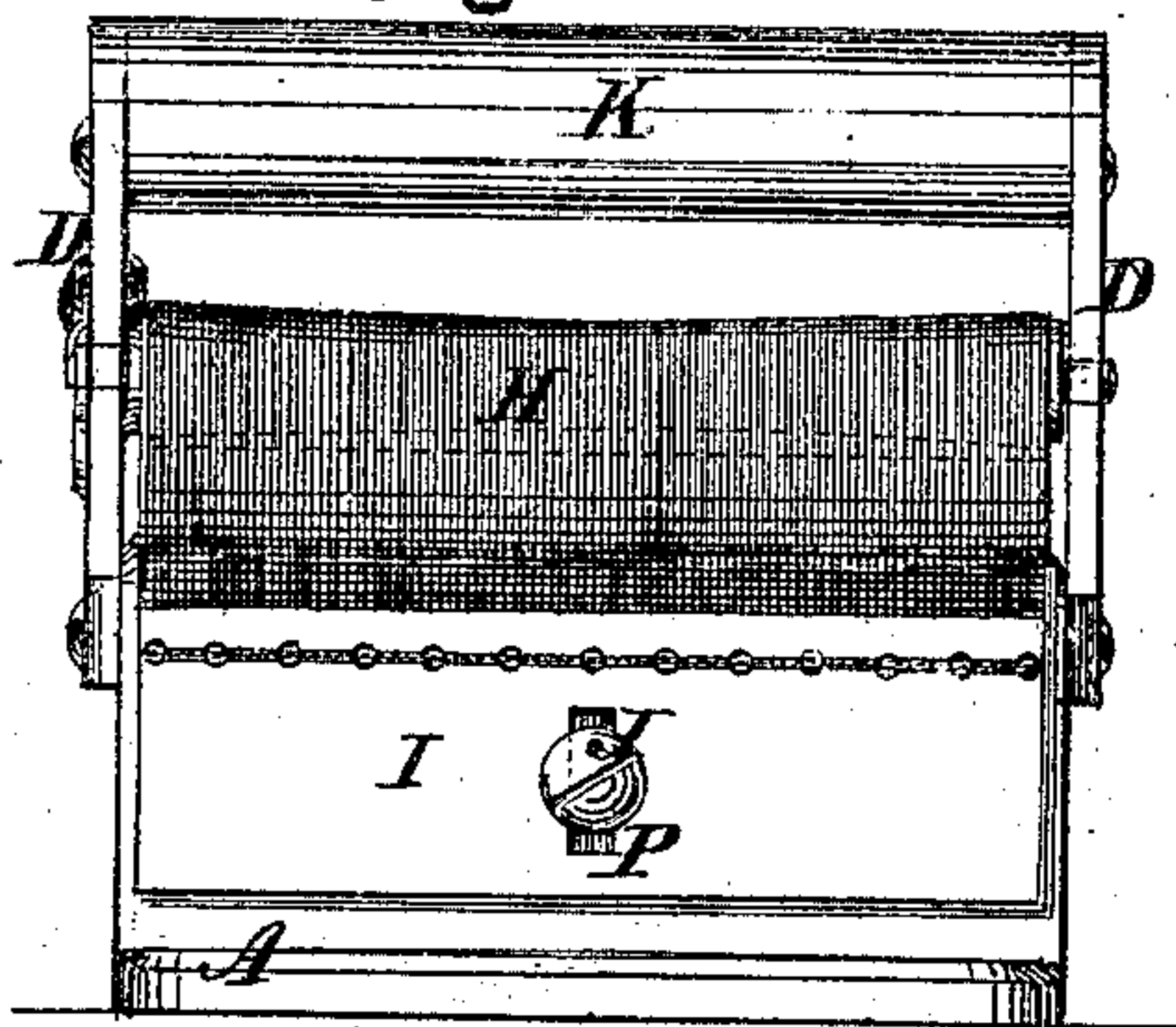


Fig.4.

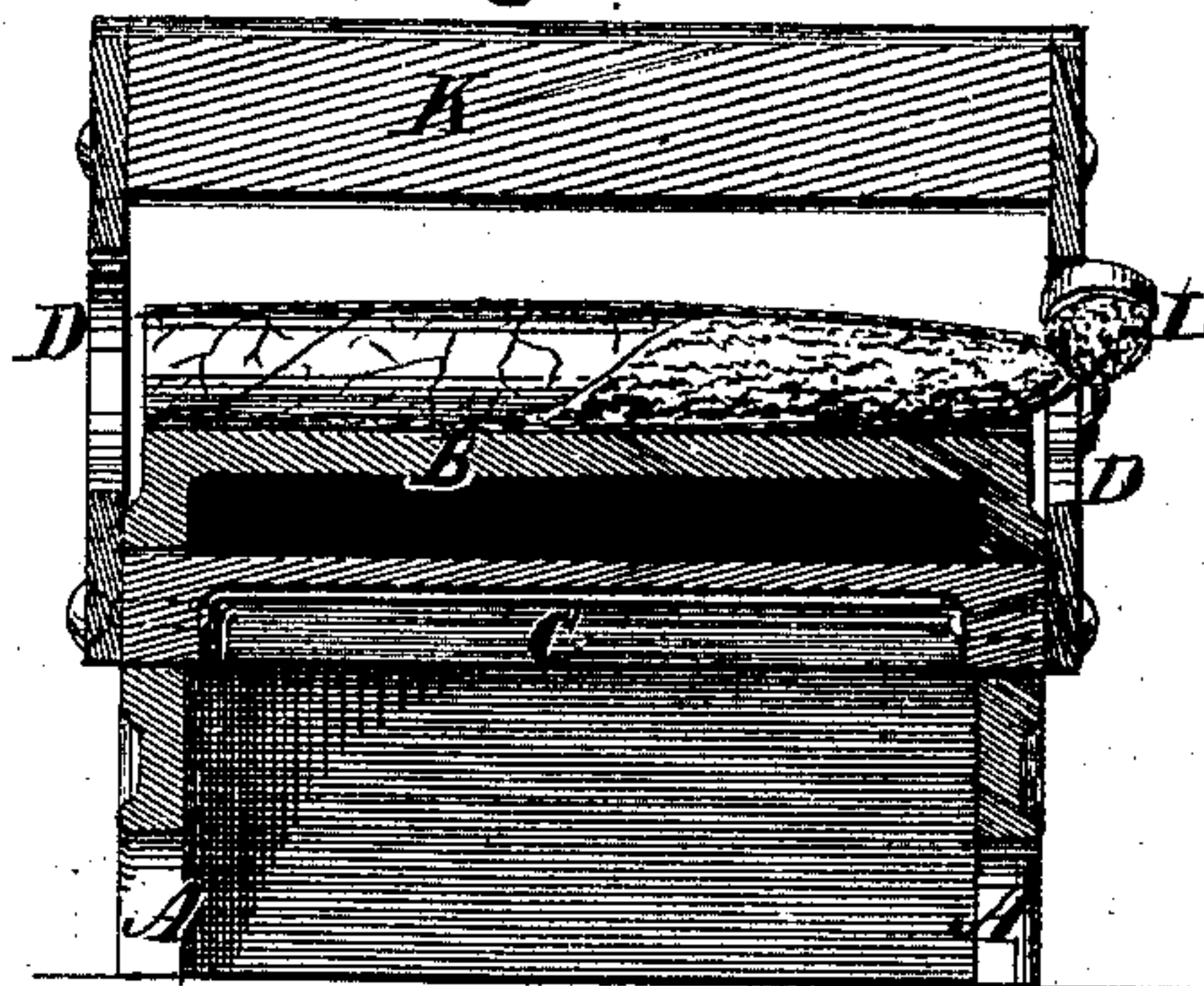
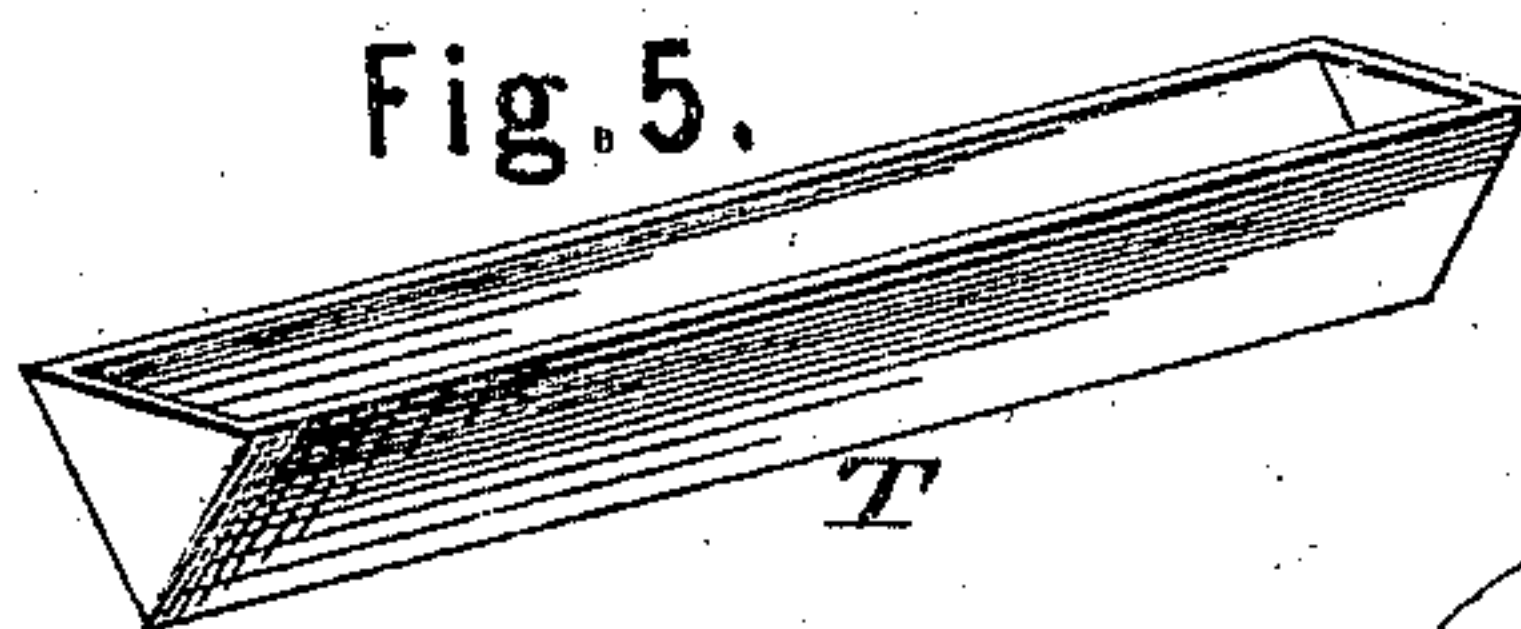


Fig.5.



Witnesses.

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# UNITED STATES PATENT OFFICE

JOHN T. HENNAMAN, OF BALTIMORE, MARYLAND, ASSIGNOR TO HIMSELF  
AND WILLIAM E. HENNAMAN, OF SAME PLACE.

## IMPROVEMENT IN CIGAR-BUNCHING MACHINES.

Specification forming part of Letters Patent No. 130,496, dated August 13, 1872.

Specification of certain Improvements in Machines for Forming Bunches or Fillers for Cigars, invented by JOHN T. HENNAMAN, of the city of Baltimore, in the State of Maryland.

### *Nature and Objects of the Invention.*

The first part of my invention consists in the employment of a platform supported on a suitable base-block, and provided with recesses or depressions near its extremities to form pockets in a loose belt resting on the platform for receiving the tobacco and relieving the finished bunch. The second part of my invention consists in the employment of a slide playing between the platform and base-block, and carrying the bearing-plates of a roller, over which a belt passes, to which plates the handle for operating the slide is also attached. The third part of my invention relates to the construction of the plates above mentioned, adapting them to suspend the roller at a proper distance above the platform, permit the passage of the end of the binder under the roller, and enable the operator to keep hold of said end at either side of the machine, in order to form right or left cigars. The fourth part of my invention consists in the employment of an adjustable slotted plate attached to the belt, and held by a set-screw to admit of regulating the capacity of the pocket, in order to produce large or small fillers or cigars.

### *Description of the Accompanying Drawing.*

Figure 1 is a plan view of a machine embodying my invention, with parts of the belt and handle removed, showing the depressions in the platform. Fig. 2 is a side view of the same. Fig. 3 is an end view, showing the adjustable plate and set-screw for regulating the capacity of the pockets formed in the belt. Fig. 4 is a cross-section of the same in the line *xx*, Fig. 2. Fig. 5 is a perspective view of a triangular trough for measuring the tobacco to be placed in the pocket of the belt.

### *General Description.*

A is the base of the machine, to the upper surface of which, and at its opposite extremities, are securely fastened the stops S S, which support the platform B, leaving a space, M, between said base-block A and platform B, in

which the slide C is operated. D D are plates securely attached at their lower ends to the opposite extremities of the slide C, and connected at their upper ends by the handle K by which the slide is operated. The curved ends of the plates D D also serve as bearings for a concave roller, E, and said plates are also provided each with an opening, N, which permits the passage of the end of the binder under the roller and enables the operator to keep hold of said end at either side of the machine, in order to form right or left cigars. The roller E, made concave in form to give the requisite shape to the bunch or filler, is suspended a proper distance over the platform B, and supports an apron, H, of greater length than the platform. One extremity of the apron is securely attached to the base-block A, the opposite end being fastened to a plate, I, attached to one end of the base-block, and provided with a slot, P, and set-screw J, by means of which the plate may be adjusted vertically up or down to regulate the capacity of the pocket in the belt to form large or small cigars. G G', Figs. 1 and 2, are transverse recesses or depressions made in the platform near its extremities, by means of which pockets are formed in the belt H for receiving the tobacco at G, (see Fig. 1,) and at G' for relieving the finished bunch. T, Fig. 5, is a triangular trough for measuring the requisite quantity of tobacco to be placed in the pocket of the belt. L, Fig. 2, is a piece of sponge or other elastic substance, placed in the opening of plate D and behind the concave roller E, moistened, if desired, for the purpose of wrapping the binder around the point of the filling after it is molded into the shape of a cigar.

The operation of the machine is as follows: The slide C is drawn back against the stop S by means of the handle K, as seen in dotted lines in Fig. 2, and the loose portion of the belt H, depending from the roller E, falls into the recess G, forming a pocket, into which scraps or fillings of tobacco may be introduced from the measuring-trough T, Fig. 5. The slide, by means of the handle K, is then moved slightly forward, so that the roller will be in advance of the recess G. A binder or wrapper is then laid diagonally across the belt H from right to left, or vice versa, according as it is desired



to form right or left cigars. The end of the binder or wrapper is brought under the end of the roller, and said end of the binder is held between the thumb and finger in the opening of the plate D. The slide is then moved forward to the stop at the opposite end of the platform, the belt wrapping the binder around the bunch or filler, when the latter falls into the recess G', from which it is removed.

*Claims.*

I claim as my invention—

1. The platform B, supported on base-block A, and having recesses or depressions G G' near its extremities to form pockets in the belt H for receiving the tobacco and relieving the finished bunch.

2. The slide C, playing between platform B

and base-block A, and carrying the bearing-plates D D of the roller E, to which plates the handle K is attached.

3. The construction of the plates D D, adapting them to suspend the roller at proper distance from platform, permit the passing of the end of the binder under the roller, and enable the operator to keep hold of said end at either side of the machine, in order to form right or left cigars.

4. The adjustable plate I, attached to the belt H, and held by a set-screw, J, to admit of regulating the capacity of the pockets to produce large or small fillers or cigars.

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Witnesses:

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