

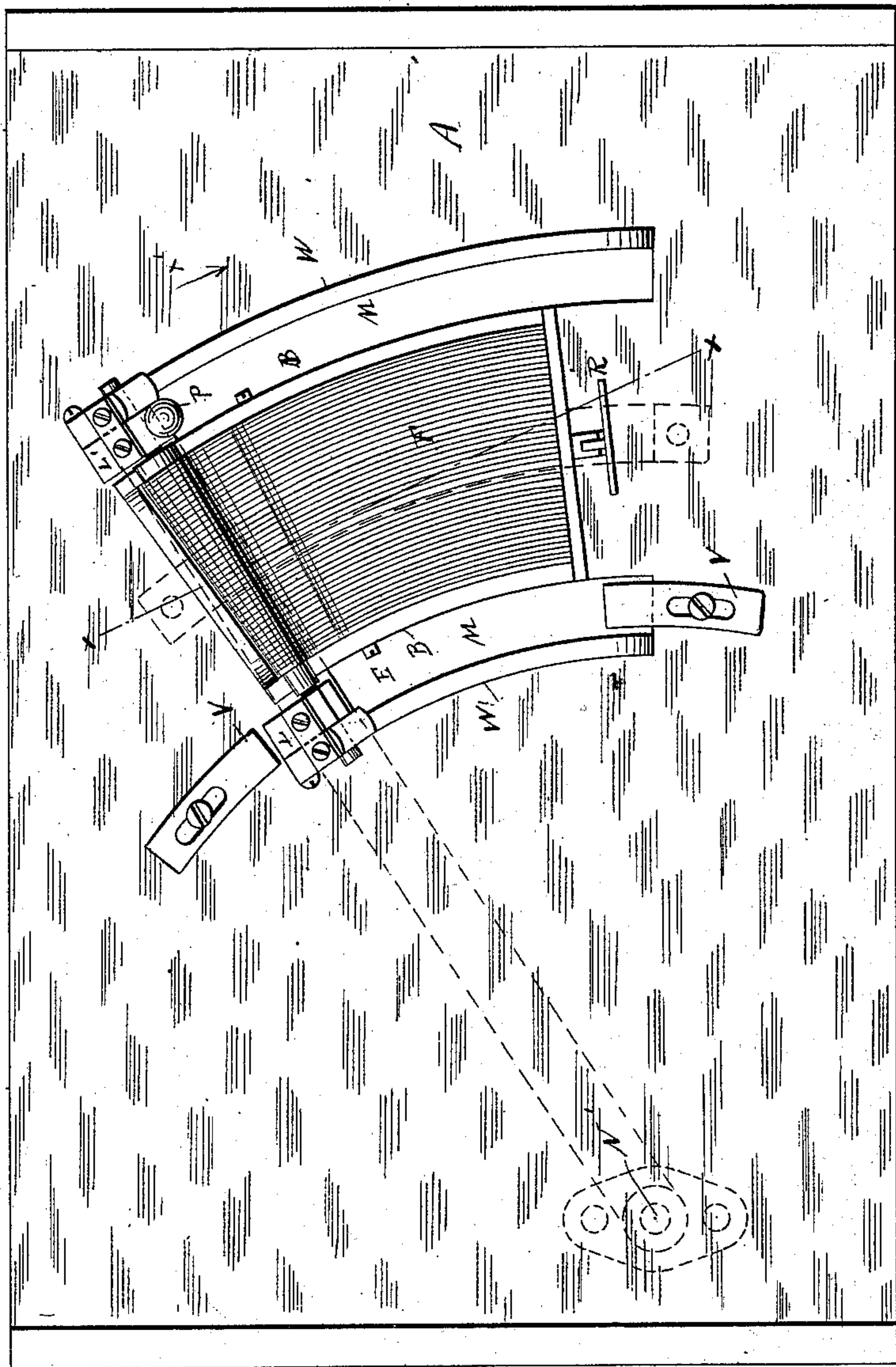
(No Model.)

2 Sheets—Sheet 1.

C. H. HAUGK & E. WENIGMANN.  
CIGAR BUNCHING MACHINE.

No. 416,912.

Patented Dec. 10, 1889.



**WITNESSES:**

A. Schehl.  
Carl Kutz

**INVENTORS**

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 ATTORNEYS.

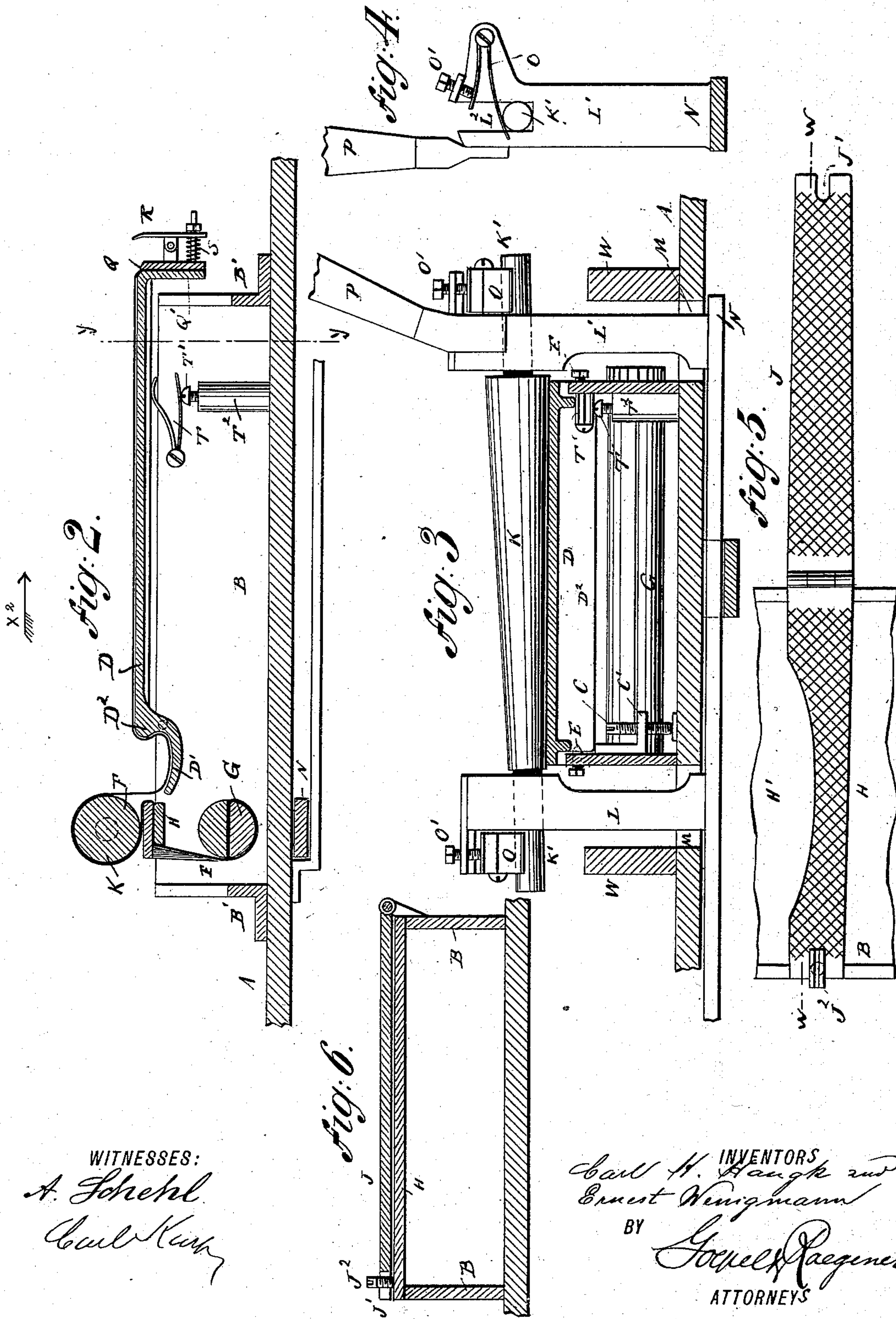
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*Ernest Wenigmann*  
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ATTORNEYS



# UNITED STATES PATENT OFFICE.

CARL H. HAUGK, OF GUTTENBERG, NEW JERSEY, AND ERNEST WENIGMANN,  
OF NEW YORK, N. Y.

## CIGAR-BUNCHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 416,912, dated December 10, 1889.

Application filed March 20, 1889. Serial No. 304,022. (No model.)

*To all whom it may concern:*

Be it known that we, CARL H. HAUGK, a citizen of Germany, residing at Guttenberg, in the county of Hudson and State of New Jersey, and ERNEST WENIGMANN, a citizen of the United States, residing in the city, county, and State of New York, have invented certain new and useful Improvements in Cigar-Bunching Machines, of which the following is a specification.

This invention relates to improvements in machines for rolling the binder around the filler of cigar-bunches.

The object of our invention is to provide a machine of this kind which is simple in construction, which operates rapidly, and makes a perfect bunch.

The invention consists in the construction and combination of parts and details, as will be fully described hereinafter, and finally be pointed out in the claim.

In the accompanying drawings, Figure 1 is a plan view of our improved machine for making cigar-bunches. Fig. 2 is a vertical longitudinal sectional view on the line *x x*, Fig. 1. Fig. 3 is a vertical transverse sectional view on the line *y y*, Fig. 2. Fig. 4 is an end view of the sliding standard and handle, the swinging bar being in section. Fig. 5 is a top view of the hinged clamp for holding one end of the rolling-apron, said clamp being open. Fig. 6 is a sectional view through the clamp closed on the line *w w*, Fig. 5.

Similar letters of reference indicate corresponding parts.

On the table A the two upright plates B B are fastened, which are connected by two end plates B B', forming a box-shaped frame. A screw C, passing through a lug C' on the inner surface of one of the plates B, has its lower end rested on the table A, or a plate on the same, and serves for the purpose of adjusting said box-shaped frame true. The top rolling-plate D is provided at one end with a recess D' and the undercut shoulder D<sup>2</sup>, and at said undercut shoulder is pivoted between the upper edges of the plates B by pivots E, so as to adapt the opposite end to swing upward. The rolling-apron F has one end clamped in a fixed roller G or held in a fixed bar in the lower part of the box-shaped frame

at one end of the same, and said apron is passed over a fixed stretcher-bar H on the top of the box-shaped frame, the upper surface of which bar is serrated or roughened in some suitable manner, and one edge of said bar is provided with a recess H', against the edge of which recess the apron F rests, and whereby the apron is shaped so as to have a recess or depression along its longitudinal central portion. The apron is clamped on the bar H by a bar J, hinged to one end of the bar H, and having its under side roughened or serrated. The swinging end of the bar J is provided with a notch J', for receiving a screw J<sup>2</sup>, by means of which the bar J can be held on the bar H. The rolling-apron F is passed over a tapering roller K, the end pivots K' of which are mounted to turn in notches or recesses K<sup>2</sup> in the upper ends of two standards L L', projecting through segmental slots M in the table A, said standards being secured to a bar N, pivoted at N' to the under side of the table. To each standard L and L' a spring O is secured, one end of which bears on an end pivot of the tapering roller K, and on the opposite end of each of which springs an adjustable screw O' bears. The standard L' is provided with a handle P for swinging the bar N. That end of the rolling-apron F opposite the one held in the roller G is clamped by a bar Q to the end flange Q' of the hinged plate D, and to a lug on the outer face of said bar Q a catch R is hinged, upon which a spring S acts, and which presses the upper end of said catch toward the outer surface of the plate or bar Q. A spring T is secured on the inner surface of one of the upright plates B, one end of which spring bears against the under side of the plate D, thus forming a spring-support for the same. The other end of said spring rests on a screw T', screwed in the upper end of an upright lug T<sup>2</sup>, projecting from the inner surface of one of the side plates B, by means of which screw T' said spring can be adjusted to exert a greater or less upward pressure on the plate D.

The table A is provided with guards W along the outer edges of the segmental slots M.

V V are stops which limit the movement of the swinging bar N.

The operation is as follows: When the roller



K is above the clamping-plates H, as shown in Fig. 2, the filler is placed into the pocket formed by that part of the apron that is pressed into the recess D' and the binder is placed upon that part of the apron resting on the top plate D. The handle P is then seized and moved in the direction of the arrow  $x'$ , Fig. 1, whereby the roller K is moved over the top plate D in the direction of the arrow  $x^2$ , Fig. 2, and thereby the binder is rolled and wrapped around the filler and forms the bunch, which is deposited between the plate Q and spring-catch R, from which it can be removed by the operator, the roller K having been moved back in the inverse direction of the arrow  $x^2$ . As the top plate D, on which the bunch is rolled, has a yielding support, it can give more or less, and thus the danger of crushing, rupturing, and breaking the binder or filler is avoided.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

In a machine for making cigar-bunches, the combination, with a box-shaped frame, of a top plate hinged in the same, a fixed clamping-bar on said frame, which bar is provided in one edge with a recess, a clamping-bar hinged to said fixed clamping-bar, a roller extending over the top plate, an apron having one end fastened in the frame, which apron is held between the clamping-bar and passed over the roller and has its opposite end secured to the swinging end of the top plate, substantially as set forth.

In testimony that we claim the foregoing as our invention we have signed our names in presence of two subscribing witnesses.

CARL H. HAUGK.  
ERNEST WENIGMANN.

Witnesses:

OSCAR F. GUNZ,  
CARL KARP.