

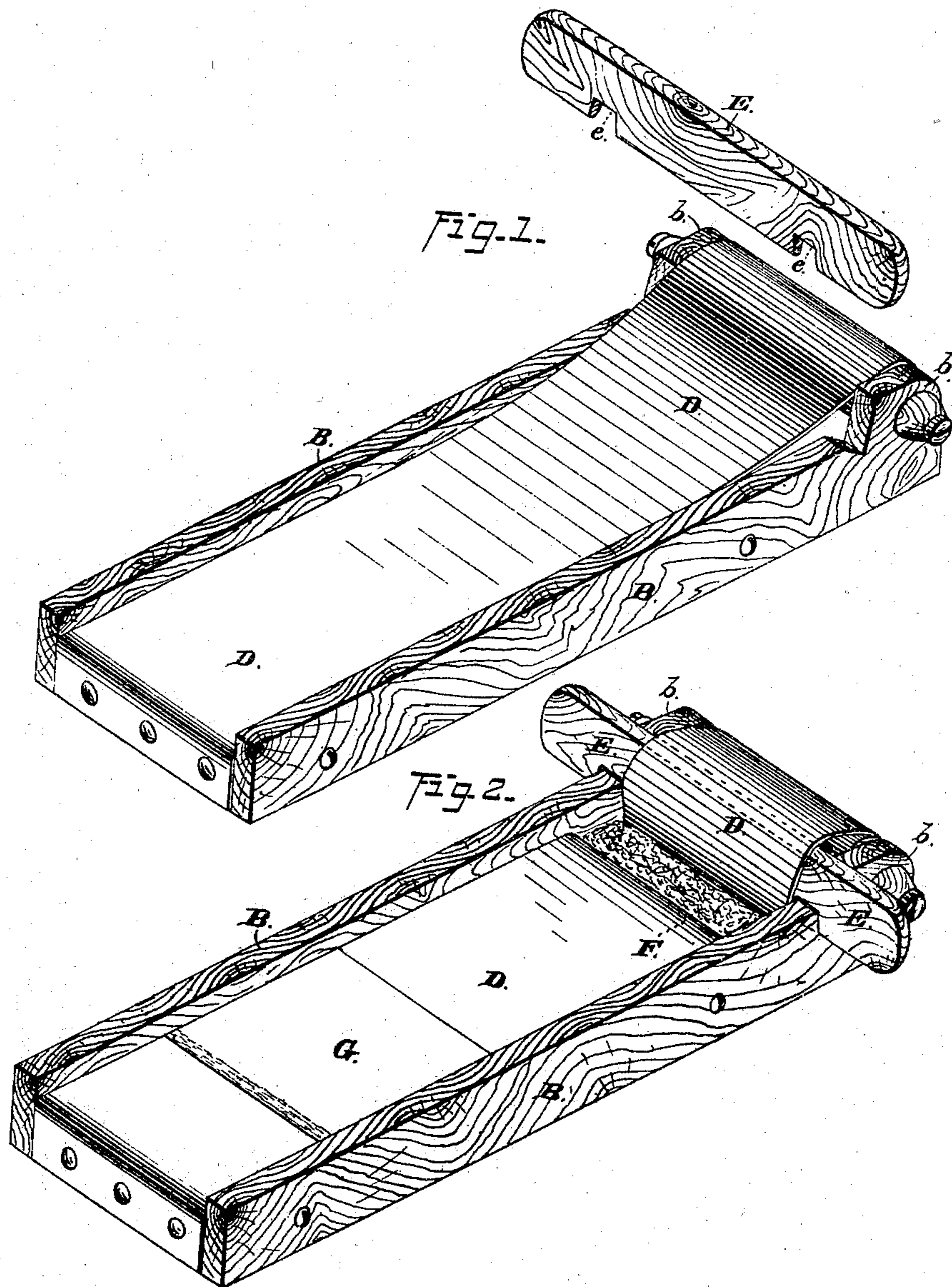
(Model.)

2 Sheets—Sheet 1

G. E. BOVEE.  
Cigarette Machine.

No. 241,599.

Patented May 17, 1881.



WITNESSES

Geo. E. Hutchinson.  
Henry L. Hazard

INVENTOR.

Geo. E. Bovee, by  
Geo. L. Prindle, his Atty

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Fig. 3.

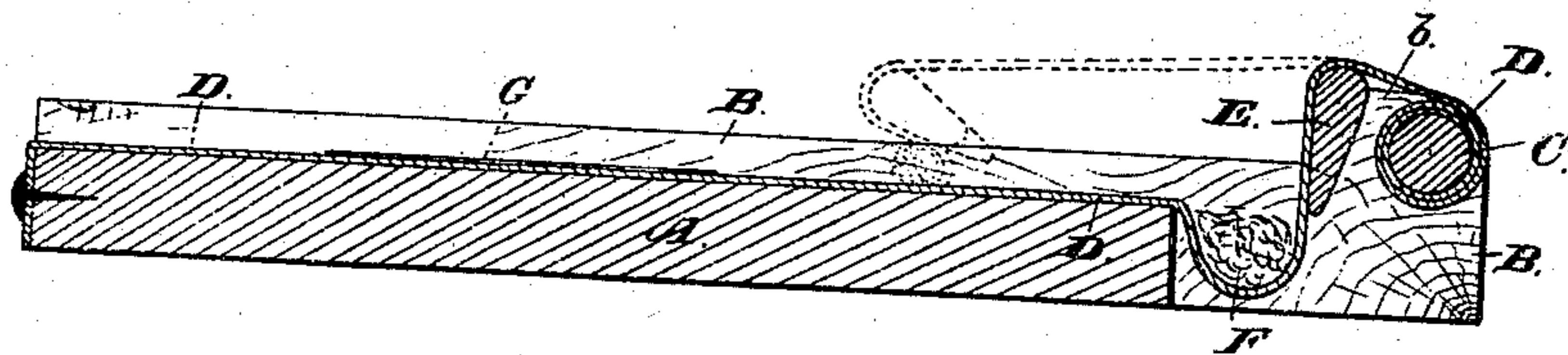
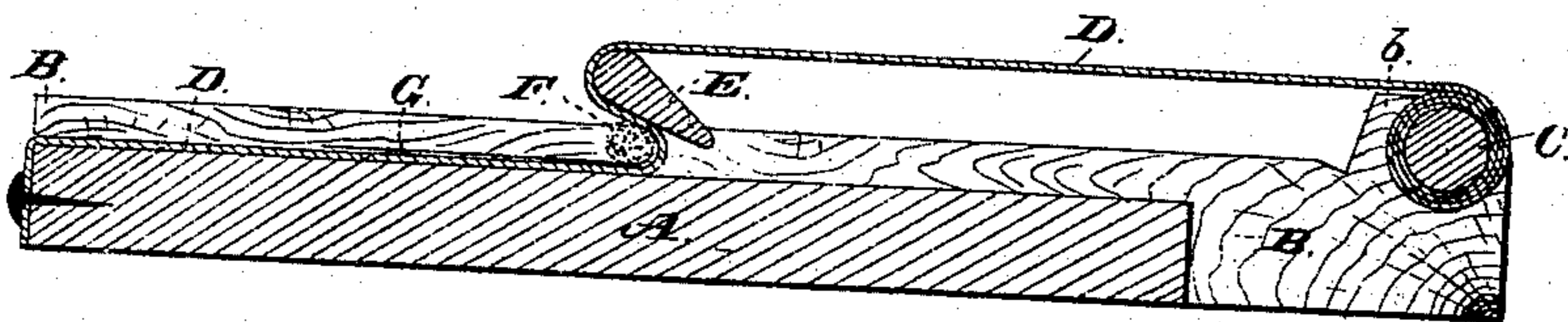


Fig. 4.



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# UNITED STATES PATENT OFFICE.

GEORGE E. BOVEE, OF NEW ORLEANS, LOUISIANA.

## CIGARETTE-MACHINE.

SPECIFICATION forming part of Letters Patent No. 241,599, dated May 17, 1881.

Application filed March 14, 1881. (Model.)

To all whom it may concern:

Be it known that I, GEORGE E. BOVEE, of New Orleans, in the parish of Orleans and State of Louisiana, have invented certain new and useful Improvements in Machines for Making Cigarettes; and I 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 perspective view of my device with its operating-bar detached. Fig. 2 is a like view of the same with its parts arranged for use. Fig. 3 is a central longitudinal section of said device after having tobacco and paper in position for the construction of a cigarette, and Fig. 4 is a like view of the same after the cigarette is nearly completed.

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

The design of my invention is to enable cigarettes to be rolled and completed without requiring to have their ends subsequently trimmed; and to this end it consists in the construction of the operative parts of my machine and their combination with each other, whereby the desired result is produced, substantially as hereinafter specified.

In the manufacture of cigarettes by machinery it has heretofore been necessary to cut each from a roll, or, when but one was made each time, to trim the ends of the same. This difficulty is obviated in my machine, and each cigarette, when rolled, is complete and ready for use, and has precisely the length of each cigarette made upon or by said machine.

In the annexed drawings, A represents the bed or table of my machine, composed of a flat piece of wood having a width just equal to the length of the cigarette to be made and a length equal to about three times its width.

Secured upon each side edge of the table A is a strip, B, which has a thickness of about one-fourth of an inch, and extends upward from the lower side of said table, with its upper edge above the upper side of the same, a distance substantially equal to the diameter of a cigarette. At one end of the table A the corresponding end of the side piece, B, is flush, while at its opposite end said side piece extends beyond said table a distance equal to about one-third the length of the latter, and at

its said extended end has its height increased, as shown, and within such elevated portion b has journaled one end of a roller, C.

Secured at one end to the front end of the table A is an apron composed of a sheet of flexible material, D, preferably rubber cloth, which has a width slightly less than the space between the side pieces, B and B, and, extending to and around the roller C, has its upper end secured upon the periphery of the same.

A bar, E, having a triangular or V shape in cross-section and a length considerably greater than the width of the table, and provided with in its thinnest edge with two notches, e and e, which correspond in relative position to the distance between the side pieces, B and B, and each has such shape and dimensions as to enable it to pass over and embrace the upper edge of one of the latter, completes my device, the operation of which is as follows, viz:

The bar E is placed across the side pieces, B and B, beneath the apron D, immediately in front of the roller C, and with its thickest edge downward. Said apron is now loosened until between said roller and the contiguous end of the table A is formed a pocket having sufficient depth to enable it to contain the necessary quantity of tobacco F for making one cigarette. The machine must be firmly supported upon a table, with the end farthest from the roller toward the operator, who places upon the apron D, near its front end, a piece of paper, G, having the necessary size and shape for a wrapper, and with its front edge coated with paste, and then places the tobacco F in the pouch or pocket, taking care that it is evenly distributed throughout said pocket, after which said operator grasps the ends of the operating-bar E, turns said bar forward and downward until said apron is folded over or around said tobacco and the notches e and e of said bar engage with the edges of the side pieces, B and B, and then moves said bar toward the front end of the machine. The tobacco F is rolled beneath the overlapping fold of the apron D, and by the time it has assumed the necessary dimensions and cylindrical form it passes upon the wrapper G, which wrapper is then rolled around said tobacco until the pasted end of the former is reached, when the cigarette is completed.

In consequence of the side pieces, B and B,

the tobacco F is confined at its ends and the wrapper G is held in position, so that when the cigarette is completed it has a length exactly corresponding to the distance between said side pieces. The height of the latter above the table A determines the diameter of the cigarette, and each one made upon the machine has precisely the same diameter as that of all others made thereon.

10 The notches *e* and *e* in the bar E enable the latter to be easily and accurately guided, so as to maintain a position at a right angle to the longitudinal axis of the table A.

I am aware that the general features of my machine are old, and therefore do not claim the same broadly.

Having thus fully set forth the nature and

merits of my invention, what I claim as new is—

As an improvement in cigarette-machines, 20 the combination of the table A, provided with the combined side bearings and gages, B, the flexible apron D, filling the space between the latter and the bar E, having within its edge the notches *e*, which correspond to and fit over 25 said side bearings, said parts being constructed to operate in the manner and for the purpose substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of 30 January, 1881.

Witnesses:

GEO. E. BOVEE.

ROBERT S. EDDY,  
C. S. STODDARD.