

(No Model)

F. SENFF.

COMBINED CIGAR CUTTING AND LIGHTING DEVICE.

No. 583,091.

Patented May 25, 1897.

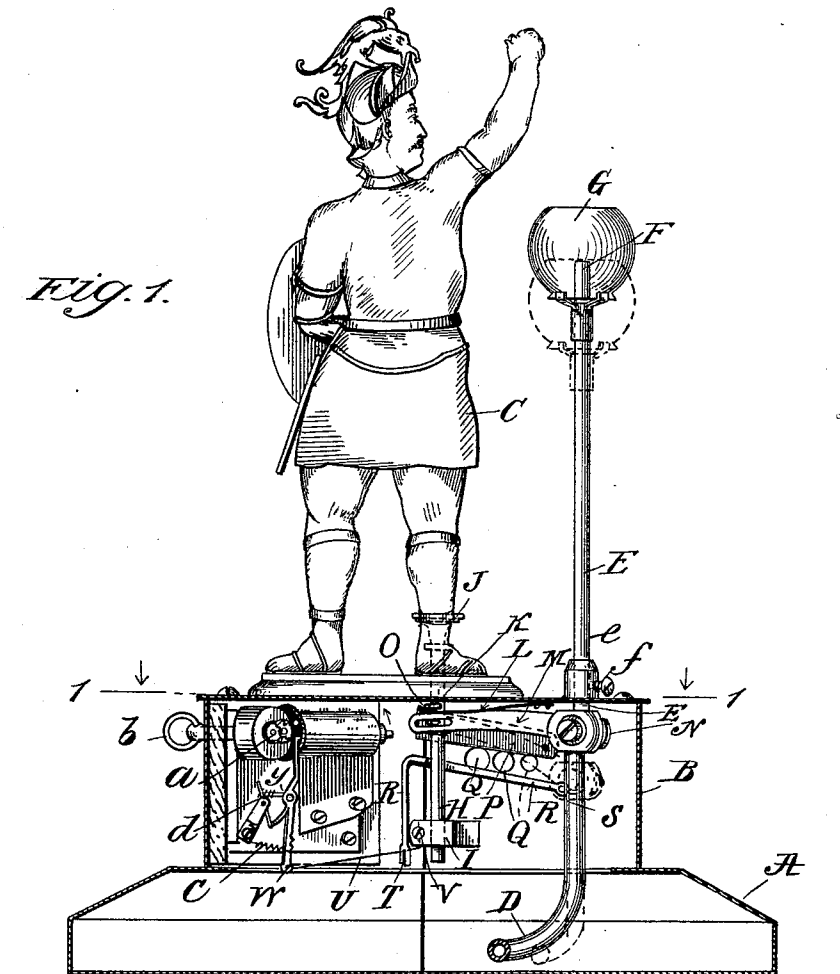
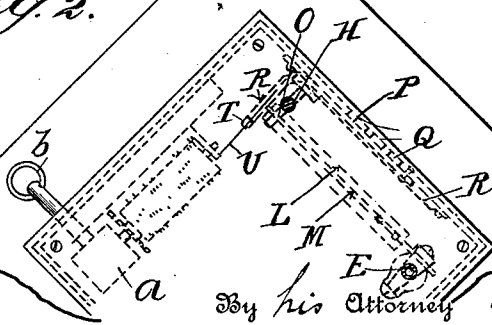


Fig. 2.



Witnesses
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UNITED STATES PATENT OFFICE.

FREDERICK SENFF, OF BROOKLYN, NEW YORK.

COMBINED CIGAR CUTTING AND LIGHTING DEVICE.

SPECIFICATION forming part of Letters Patent No. 583,091, dated May 25, 1897.

Application filed February 16, 1897. Serial No. 623,738. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK SENFF, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in a Combined Cigar Cutting and Lighting Device, of which the following is a specification.

My invention relates to improvements in cigar cutting and lighting devices, (the same being an improvement on the invention set forth in Letters Patent heretofore and on the 2d day of February, 1892, granted to me;) and it consists in a special construction and arrangement of the parts, whereby music-producing devices are connected with the other parts in such manner as that the music produced is the result of cutting off the tip of a cigar, and also a novel construction of the gas-supply tube, whereby the size of the jet of flame may be regulated to conform to gas-pressures.

Figure 1 illustrates an elevation of the apparatus, the parts being shown in section. Fig. 2 illustrates a plan view on the line 1 1 of Fig. 1.

A is the base of the device.

B is the casing, which incloses the operative parts.

C is a figure for ornamentation, mounted upon the casing B.

D is a gas-supply tube, preferably flexible.

E is a metallic stand pipe or tube, which supplies the gas to a suitable burner F, which is protected by a suitable globe G.

H is a vertical rod supported at or near its lower end in a bearing I and at or near its upper end by passing through the tube of the casing B.

J is a push-button on its upper end, whereby it may be depressed.

K is a pin projecting laterally from the vertical rod H, beneath which acts a spring L, which, normally acting upon the pin K, elevates the rod H and all its coacting parts.

M is a lever which extends laterally to the gas-cock N and operates the plug thereof.

O is another pin projecting laterally from the rod H, which is fastened to the free end of the knife or cutter blade P, and likewise

passes through a slot made in the end of the gas-controlling lever M, as shown.

Q are holes made in the side of the casing, through which the tip of the cigar is projected in such manner as that when cut off by the descent of the knife the severed tip will press against a curved bar R, which is pivoted, as at S, to the side of the casing, and the free end is bifurcated, as shown at T, and spans a wire U, one end of which is clamped behind the bearing I by means of a screw V. The other end of the wire engages with a lever W, which is pivoted at Y, the upper end of which releases the mechanism of the music-box in any well-known manner, which need not be specifically described.

a is the clock mechanism, which actuates the drum of the music mechanism, and b is a key which winds up the spring.

c is a spring which normally pulls the lever W to the left and stops the revolution of the drum of the music mechanism, and d is an escapement-fan mechanism of any preferred construction, which need not be specifically described.

Referring to the parts which regulate the size of the jet of flame, the pipe E passes downwardly through a hub e, which is mounted upon the top of the casing B and is provided with a set-screw f, which, being screwed in, clamps the rod E. The lower end of this rod below the top of the casing engages with the gas-cock N, so that by loosening the set-screw f the rod E will drop into a lower position, as shown in dotted lines in Fig. 1, and this relation of the lever M to the stop-cock be changed, so that the normal condition of the gas-cock may be adjusted to the state of gas-pressure—that is to say, so that it will normally permit a greater or less amount of the gas to pass, irrespective of the action of the tip-cutting device, which supplies an additional flow of gas during such times as the push-button J is depressed.

The operation is as follows: The parts being adjusted as shown and in such manner as that the requisite jet of flame will be provided, the purchaser of a cigar puts its end through one or the other of the holes Q, and thereupon depresses the push-button J, which

carries downwardly the free end of the cutter P, the other end being pivoted, as shown, overcoming the upward tendency of the spring L, and at the same time the gas-cock lever M is depressed by reason of the engagement of the pin O with the slot in the end of this lever, so that an increase in the flow of the gas is permitted, and so long as the push-button J is depressed the gas will flow freely and the jet of flame will rise upwardly beyond the open top of the globe G and afford an opportunity for lighting the cigar. As the tip of the cigar is carried downwardly by the cutting operation it comes in contact with the curved wire or bar R, and that bar is consequently depressed, which brings tension to bear upon the wire U, which in turn pulls the lever W to the right and releases the music mechanism, which immediately starts in operation. When the tip of the cigar is completely severed, it drops away from the bar R, whereupon the spring c immediately returns the lever W to its normal position, so that the tooth seen at right angles upon its upper end rests against the side of the gear-wheel, which is, in effect, a head to the drum of the music mechanism, and it rubs around upon it until it registers with a hole made in the said drum, into which it fits and stops the music mechanism. These holes are so placed as to permit the playing of a tune of longer or shorter duration and one or more in number, as may be desired.

The fan escapement regulates the rapidity of movement of the music mechanism, and the key *b* is always present to wind it up when

it runs down. The mechanism for regulating the supply of gas has already been explained.

I do not limit myself to the details of construction described and claimed, since they may be modified without departing from the essentials of the invention.

I claim—

1. The combination in a cigar-cutting apparatus of devices for severing the tip of the cigar and mechanism for producing music, and means connecting the two devices against which the tip of the cigar, while being severed presses and releases the music mechanism, for the purposes set forth.

2. The combination in a cigar-cutting device of means for severing the tip of a cigar, devices for producing music, means connecting the two, against which the cigar-tip in the process of being severed presses and releases the music-producing mechanism, gas-supply devices comprising a gas-cock and a rod projecting therefrom to the burner, a lever for the control of the gas-cock, one end of which engages with a push-button device, which likewise actuates the knife of the cutter, and means whereby the gas-cock can be adjusted to coincide with the gas-pressure, for the purposes set forth.

Signed at Brooklyn, in the county of Kings and State of New York, this 10th day of February, A. D. 1897.

FREDERICK SENFF.

Witnesses:

GUSTAVE HURLIMANN,
CELIA JAMES.