

No. 647,707.

Patented Apr. 17, 1900.

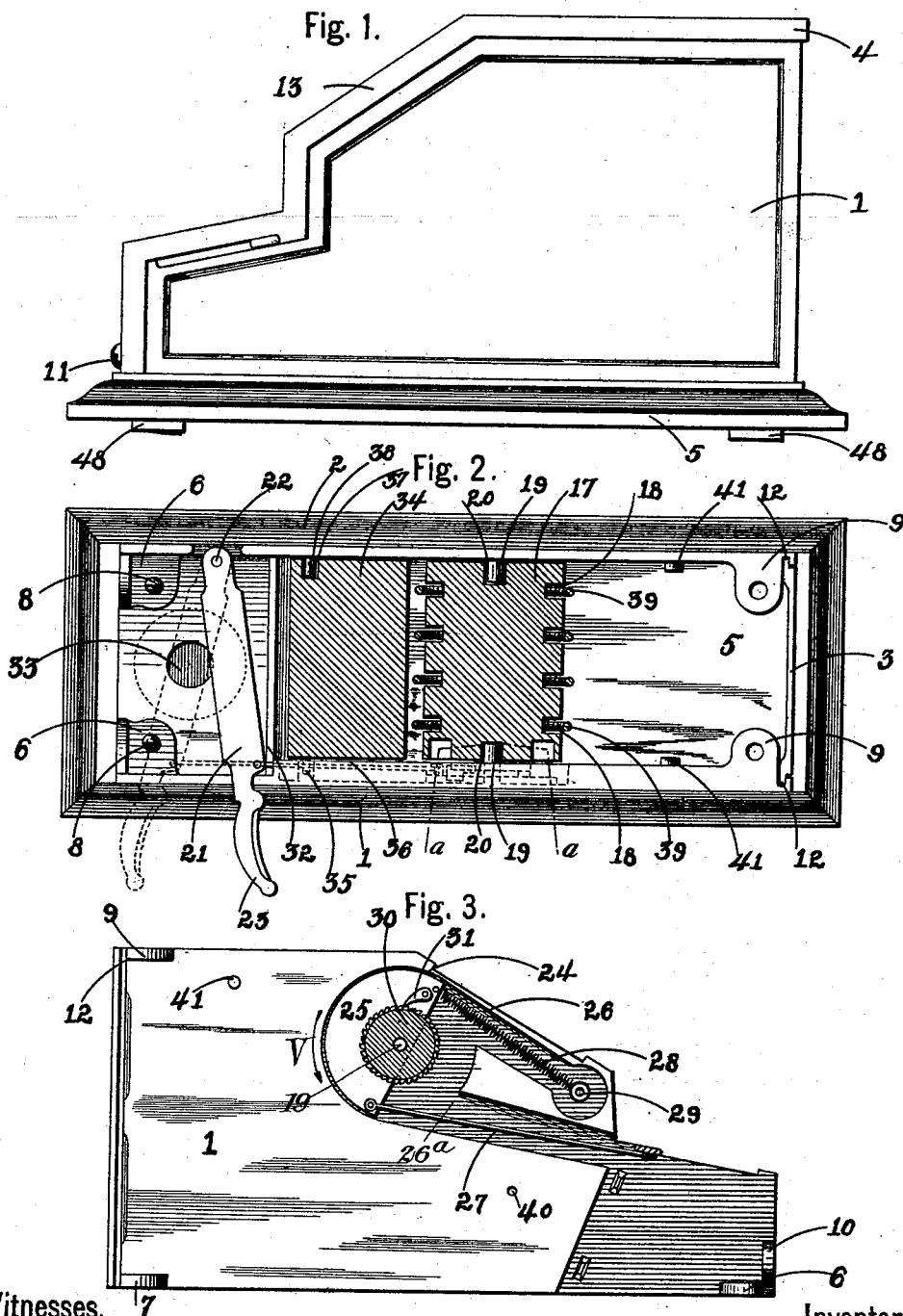
A. A. ROOT.

COMBINED CIGAR CUTTER AND ADVERTISING DEVICE.

(Application filed Oct. 10, 1898.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses.

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Fig. 4.

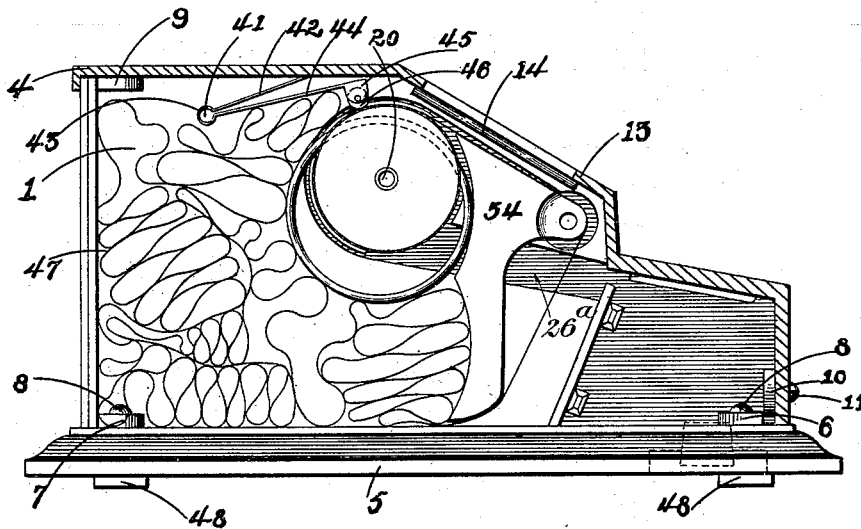
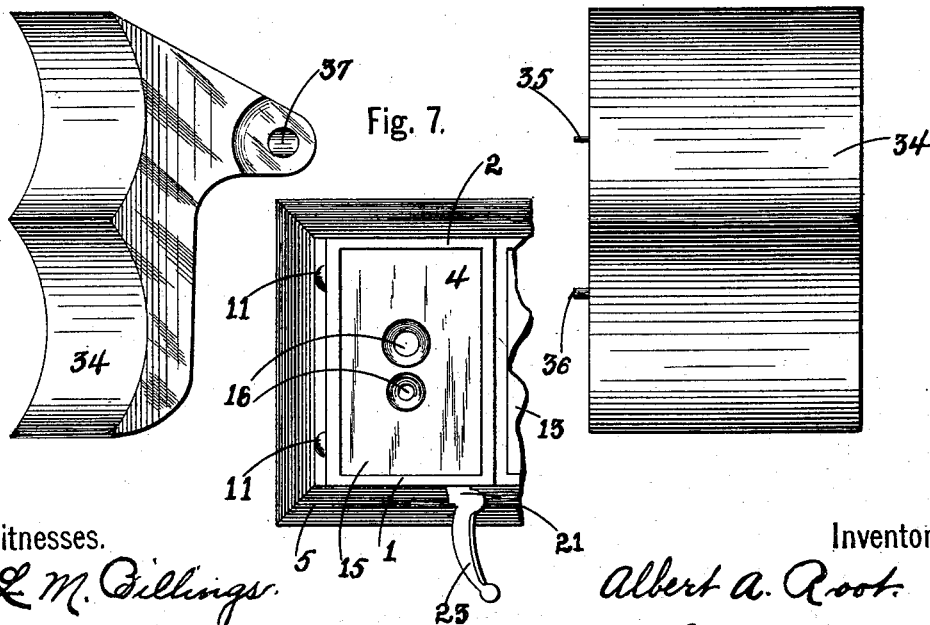


Fig. 5.

Fig. 6.



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UNITED STATES PATENT OFFICE.

ALBERT A. ROOT, OF TONAWANDA, NEW YORK.

COMBINED CIGAR-CUTTER AND ADVERTISING DEVICE.

SPECIFICATION forming part of Letters Patent No. 647,707, dated April 17, 1900.

Application filed October 10, 1898. Serial No. 693,177. (No model.)

To all whom it may concern:

Be it known that I, ALBERT A. ROOT, a citizen of the United States, residing at Tonawanda, in the county of Erie and State of New York, have invented certain new and useful Improvements in a Combined Cigar-Cutter and Advertising Device, of which the following is a specification.

My invention relates to an improved advertising device in which a series of advertisements mounted upon an endless belt or band are successively revealed by the operation of a cigar-cutting attachment; and the object of the invention is to simplify the construction of the operating mechanism.

It also relates to certain details of construction, all of which will be fully and clearly hereinafter described and claimed; reference being had to the accompanying drawings, in which—

Figure 1 represents a side elevation of the device complete. Fig. 2 is a plan view, the cover being removed to show the mechanism below it, a longitudinal central section being also shown through the main feed-roller and the block. Fig. 3 represents a detached inner side view of one of the sides of the device, illustrating the main-feed-roller-operating mechanism, showing also a transverse section through the main feed-roller on or about line *a a*, Fig. 2. Fig. 4 represents a side elevation of the device, one of the sides and the cigar-tip-severing mechanism being removed to expose the advertising-ribbon and its supporting mechanism, a longitudinal section being shown through the top plate. Fig. 5 represents a detached perspective view of the block placed in front of the main roller to keep the ribbon in its proper position. Fig. 6 represents a detached rear view of the block shown in Fig. 5. Fig. 7 is a fragmentary top view of the device, showing the holes or openings through which the cigar-tips are thrust when severed.

In referring to the drawings in detail like numerals designate like parts.

The inclosing case or box consists of the two side plates 1 and 2, the rear plate 3, the angular top plate 4, and the base 5.

The base 5 is preferably constructed of wood; but any suitable material may be used.

The side portions 1 and 2 are each provided

at the front and rear of their lower edge with inwardly-extending horizontal ears 6 and 7, through which screws 8 are detachably passed to secure them to the base, and at the rear of their top edge with inwardly-projecting horizontal ears 9, and at the lower portion of the front side edge with upwardly-projecting vertical ears 10, to which the top plate 4 is secured by screws 11. (See Fig. 4.)

A vertical groove 12 is formed on the interior of each side plate near its rear end, which forms a slideway to receive the rear plate 3.

The intermediately-inclined portion 13 of the angular top plate 4 is provided with an opening, beneath which a glass plate 14, forming a window, is mounted, and the front inclined portion 15 of said angular top plate 4 is provided with holes 16, preferably two in number, through which the tips of cigars are thrust when severed.

The main feed-roller 17 is preferably constructed of wood and provided with a series of substantially - parallel circumferential grooves 18, the office of which will appear farther on, and is journaled upon pins 19, which extend inwardly from the side plates and project into holes or depressions 20 in each end of the roller. The periphery of the main feed-roller 17 is preferably covered with sand or its equivalent to provide a roughened surface to frictionally engage the band or ribbon and prevent its slipping thereon. A cutting-bar 21 for severing the tips from cigars is pivoted at one end on a pin 22, projecting from the top edge of one of the side plates, and is provided with a sharpened front edge, which is so arranged in proximity to the holes 16 that when said bar is turned on its pivotal pin it moves directly past the said holes and severs the tip of any cigar that is thrust through the same. The bottom edges of the holes are also sharpened to form cutting edges. The outer end of the cutting-bar 21 protrudes through the frame and forms a handle 23, by which it is operated. In one of the side portions a shallow circular depression 24 is formed, within which a substantially-semicircular plate 25 is pivoted on one of the pins 19, which projects inwardly from said side. An upper depression 26 and a lower depression 26^a extend forward from the circular depression. To the

lower part of the plate 25 a connecting-rod 27 is pivotally secured, which extends in the lower depression 26^a and is pivotally connected at its opposite end to the cutting-bar 21.

- 5 To the opposite or upper end of the plate 25 is fastened a spiral spring, which extends within the depression 26 and has its opposite end secured to pin 29, formed integral with or attached to the side 1. The main feed-roller 10 17 is provided with a ratchet-wheel 30, and a pawl 31, adapted to engage with said ratchet-wheel, is loosely pivoted on the plate 25.

From the above description it will be seen that the tip of a cigar will be severed there- 15 from when placed in either of the holes 16 upon the forward movement of the handle and that the main feed-roller 17 will receive a partial rotation in the direction of the arrow V and that immediately on the release of 20 the handle the spring 28 will automatically return the cutter-bar back to its normal position.

An inclined plate or partition 32 is employed to separate the cigar-cutting apart- 25 ment from the ribbon and its operating mechanism, and the under side of the base 5 is provided with a depression or recess, which terminates in a reduced opening adapted to receive a cork or stopper 33, which may be 30 taken out when it is desired to remove the cigar-cuttings.

The front guide-block 34 (shown in Figs. 5 and 6) is provided with a pin 35, which fits in a central hole in the pin 29, and a pin 36, which 35 fits in an opening 40 in one of the side plates, and the opposite side of the block 34 is provided with a circular hole or depression 37, which fits over a pin 38, extending inwardly from the adjacent side plate. A series of 40 circular rings 39 are loosely suspended in the grooves in the main feed-roller, and the front guiding-block 34, constructed substantially as shown in Figs. 5 and 6, is located in front of the main roller and supported from the 45 side pieces, as before described, and is preferably provided with an upper face extending at substantially the same angle as the window in the inclosing case, being arranged directly below said window to support the ribbon in 50 close proximity to the glass, so that the advertisement or other matter upon the ribbon may be readily viewed through the window. The lower portion of the block is provided with a sharp-pointed forward end which ap- 55 proaches within a short distance of the base, and thus prevents the entrance of the folds of the ribbon beneath the same, and all of the sides of the block are preferably concaved, as shown in Figs. 5 and 6, thus reducing the friction upon the ribbon during 60 its passage over the surface of the block to a minimum. The office of the rings 39 is to prevent the ribbon from passing up under the main roller and between the main roller and 65 the block. The folds of the ribbon pressing against the lower portion of the rings force them against the block 34, and thus prevent

the ribbon from passing between the roller and the block to clog the machine, and as they take up but little space they afford more 70 room for the ribbon within the compartment.

A plate of spring metal is bent upon itself and pivotally mounted on pins 41, which extend inwardly from the side plates, with the 75 upper portion 42 in spring contact with the top plate, the bent portion 43 partially encircling the pins 41, and the lower portion 44 provided at its end with two downwardly-extending ears 45, between which is pivoted a 80 tension or pressure roller 46. The object of the tension or pressure roller 46 is to hold the ribbon against the roughened face of the main feed-roller with sufficient force to draw the 85 ribbon forward every time the cutter-bar is operated, and thereby expose a different advertisement.

The ribbon or band 47 is preferably endless, and a series of advertisements are printed upon its upper surface or a series of ad- 90 vertisements printed on separate material are secured thereto by any well-known means.

To assemble the device, the band is placed in the machine when the top and one side are off. Then the disengaged side, the top, the 95 guiding-block, and rollers are secured in their proper places, the greater portion of the band being collected in loose folds in the rear portion of the case, behind the main roller and the block. The top plate is held down with 100 hand-pressure, tensioning the spring-plate and pressing the pressure-roller 46 against the main roller 17, and the cutter-bar is operated sufficiently to gather all of the ribbon or band into the case. The top plate 4 (which 105 rests on the upper end on the spring and holds it with sufficient pressure) is now secured in place, and the device is ready for operation.

The base of the inclosing case is also provided with tips 48, of rubber, felt, or other 110 suitable material, upon its under surface to prevent the device from marring or disfiguring the surface of any furniture upon which it may be placed.

By the above construction over one hundred or more different advertisements may 115 be printed on or secured to a single endless band or ribbon, a new advertisement being exposed through the window every time the cutter-bar is operated.

I claim as my invention— 120

1. In an advertising device, the combination of an inclosing case comprising a base, side and end pieces, and top portion having a window and one or more openings for the 125 insertion of a cigar-tip, a main roller mounted upon journals in the side pieces and provided with a series of circumferential grooves, an endless belt carrying advertisements partially encircling said roller and having its 130 larger portion loosely inclosed within the case, a series of annular rings, larger in circumference than the main roller and loosely supported in the grooves thereof, a block below the window and in front of the main roller,

an upper portion pivotally supported by the side portions of the inclosing case, a roller at the forward end thereof, spring means for pressing said roller against the belt and the belt against the main roller to tension the same, a ratchet upon the main roller, a pivotal portion having a pawl adapted to engage with said ratchet, and a lever cigar-cutting device connected to the pivotal portion, as set forth.

2. In an advertising device, the combination of an inclosing case, a main roller journaled therein, said main roller having a series of circumferential grooves, a series of annular rings of larger circumference than the roller hung loosely in the grooves, an endless band carrying advertisements supported upon said roller, mechanism within reach of the operator for actuating the roller, and a block in front of the main roller for directing the ribbon, the annular rings preventing the ribbon from forcing its way between the main roller and the block to clog the machine, as set forth.

3. In an advertising device, the combination of an inclosing case, a main roller mount-

ed upon journals in the inclosing case, and provided with a series of circumferential grooves, an endless belt carrying advertisements partially encircling said roller and having its larger portion loosely infolded within the case, a series of annular rings larger in circumference than the main roller and loosely supported in the grooves thereof, a partition or block mounted in front of the main roller, a plate pivotally mounted in the inclosing case above the main roller, a roller at the forward end thereof, spring means for pressing said roller against the belt and the belt against the main roller to tension the same, a ratchet upon the main roller a pivoted portion having a pawl adapted to engage with said ratchet, a lever cigar-cutting device, a connection between said lever and the pivoted portion and a spring for returning said lever and pivotal portion to their normal position, as set forth.

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Witnesses:

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