

No. 629,612.

Patented July 25, 1899.

A. A. ROOT.

COMBINED CIGAR CUTTER AND ADVERTISING DEVICE.

(Application filed Apr. 6, 1898.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1

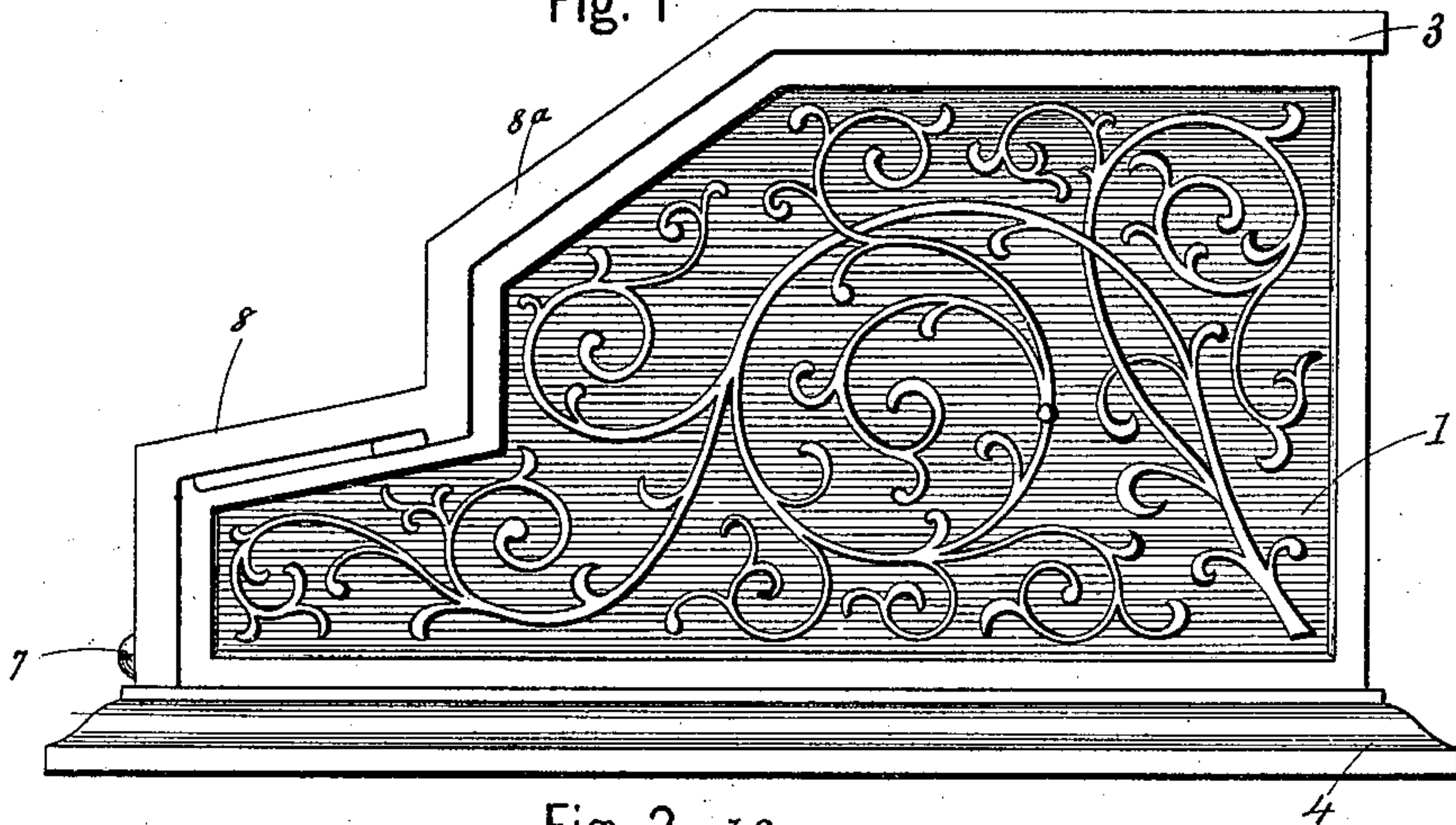


Fig. 2

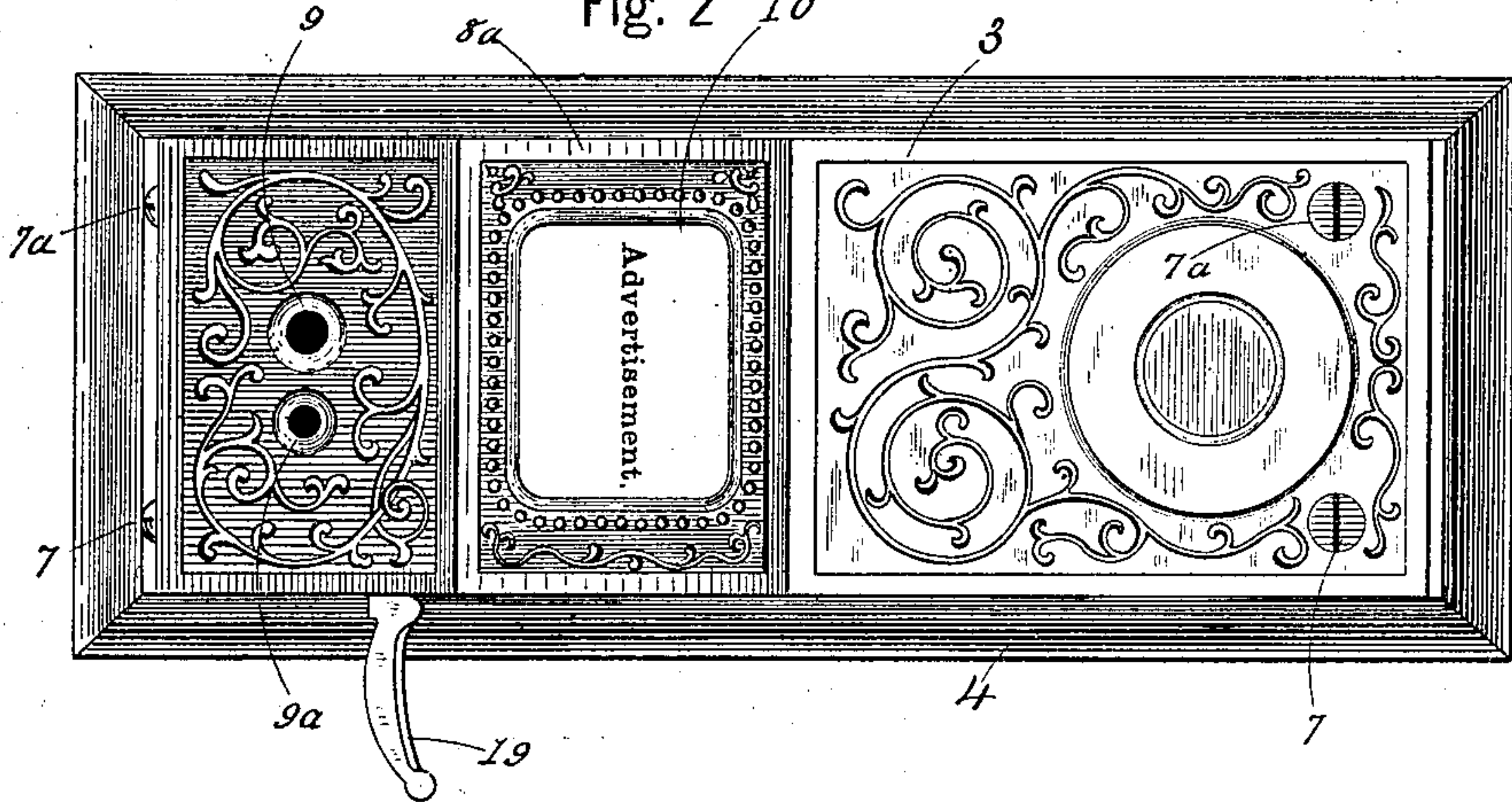
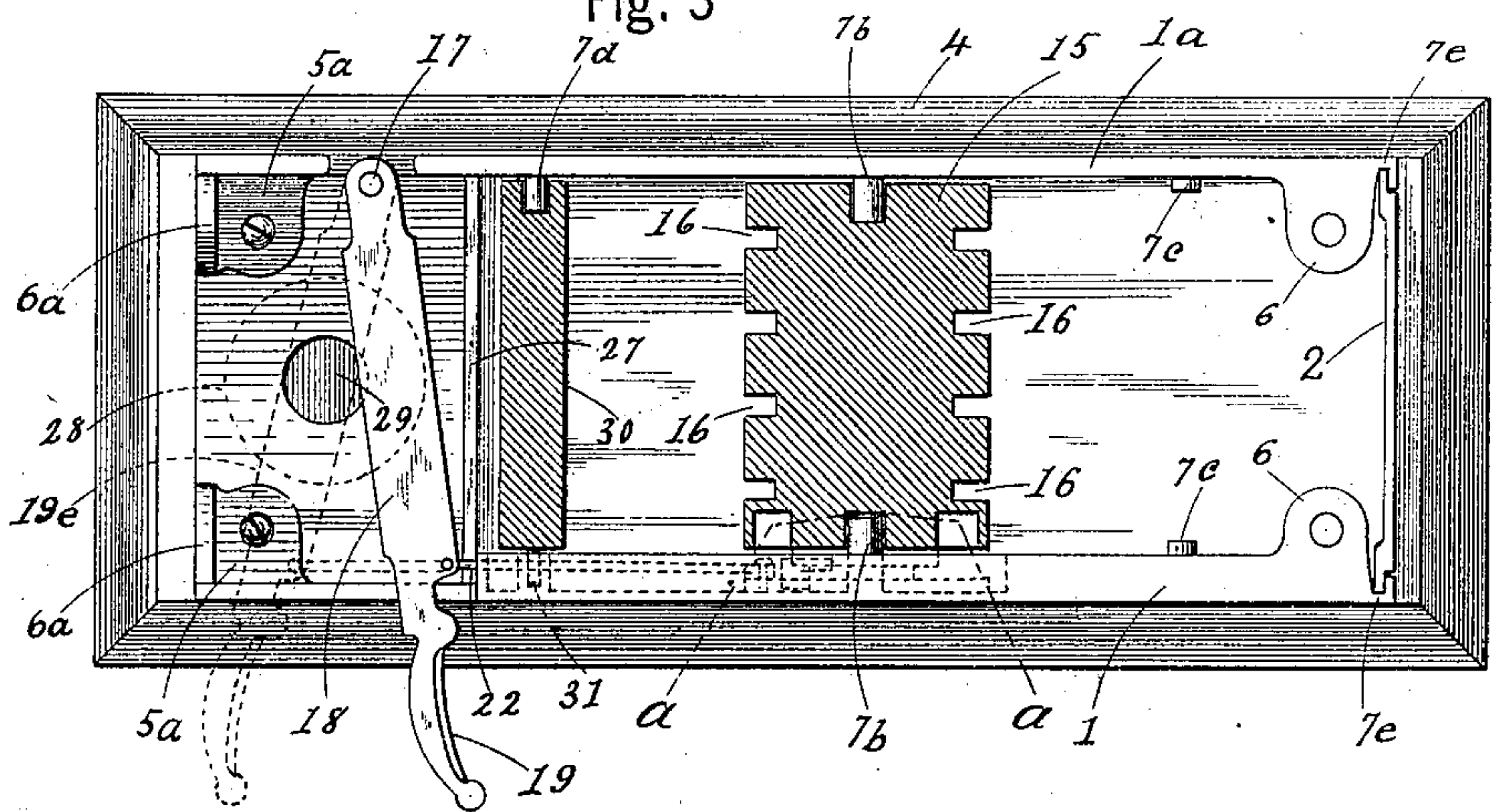


Fig. 3



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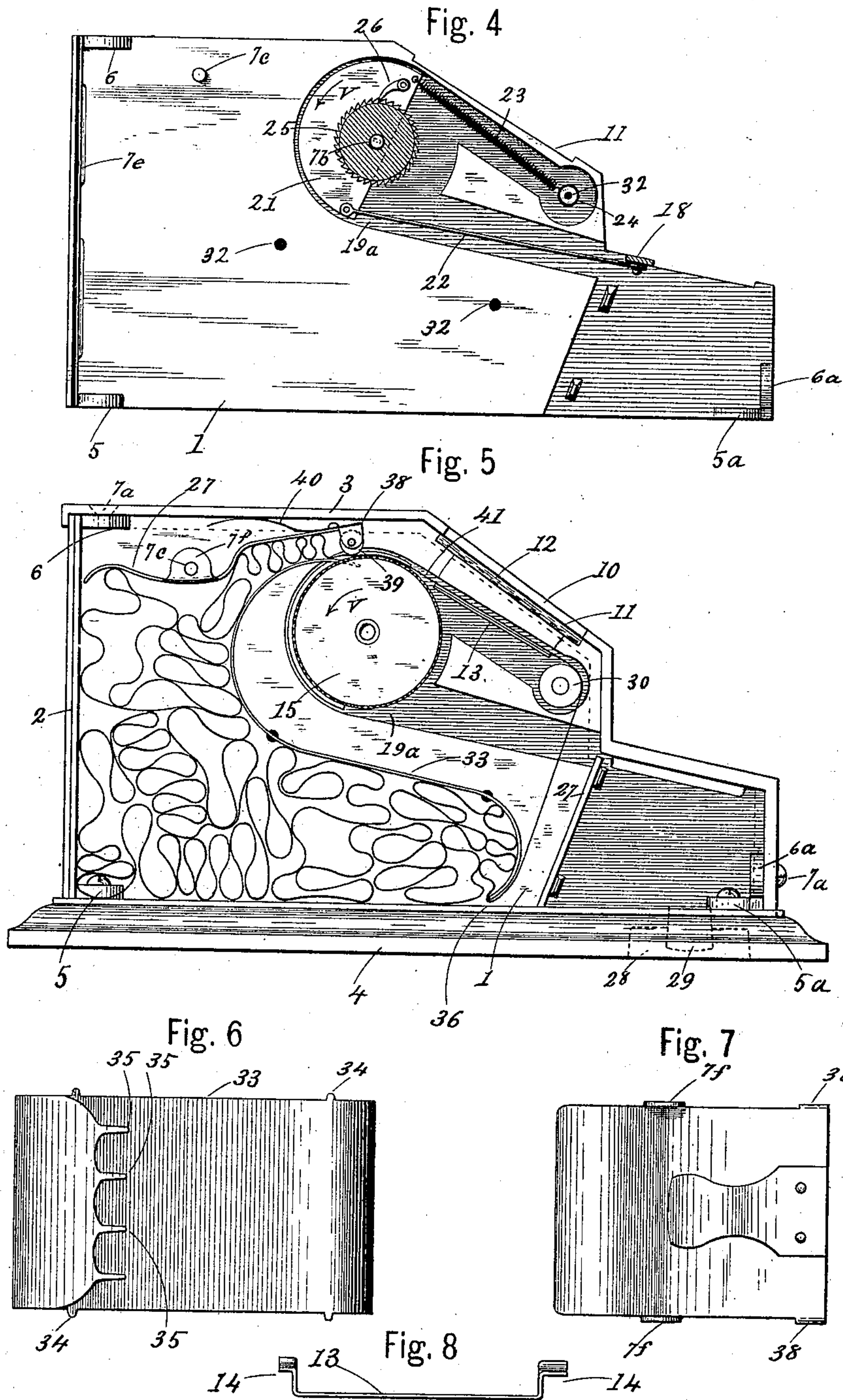
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2 Sheets—Sheet 2.



Witnesses,
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UNITED STATES PATENT OFFICE.

ALBERT A. ROOT, OF BUFFALO, NEW YORK.

COMBINED CIGAR-CUTTER AND ADVERTISING DEVICE.

SPECIFICATION forming part of Letters Patent No. 629,612, dated July 25, 1899.

Application filed April 6, 1898. Serial No. 676,642. (No model.)

To all whom it may concern:

Be it known that I, ALBERT A. ROOT, a citizen of the United States, residing at Buffalo, 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, 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 represent a plan or top view of the same. Fig. 3 is also 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 through one of the smaller rollers. Fig. 4 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. 3. Fig. 5 represents a side elevation of the device, one of the sides being removed to expose the interior mechanism and the action of the advertising-ribbon, a longitudinal section being shown through the top plate. Fig. 6 represents a detached top plan view of the curved plate for keeping the ribbon in its proper position. Fig. 7 represents a detached top view of the pivoted plate, which carries a small roller for holding, with a spring force, the advertising-ribbon against the main feed-roller, as will more clearly appear farther on. Fig. 8 represents an end view of the ribbon-supporting plate.

Referring to the drawings in detail, the supporting-case consists of the two removable side pieces 1 and 1^a, the back piece 2, the angular top piece 3, and the base 4. The base 4 is preferably made of wood; but any suitable material may be used. The preferred material for the sides and top is cast-iron nickel-plated. The side pieces 1 and 1^a are each provided with inward-extending ears 5 and 5^a, (see Fig. 4,) by which they are se-

cured to the base by screws. (See Figs. 4 and 5.) The side pieces are also provided at the top rear end with ears 6 and at the lower portion of the front ends with ears 6^a, to which the top plate 3 is secured by screws 7 and 7^a. (See Fig. 1.) The side pieces are also provided with inward-extending pivotal pins 7^b, upon which the main feed-roller is supported and turns, and short pins 7^c, upon which the plate carrying the small roller for holding the advertising-ribbon against the main feed-roller is supported. The side 1^a is provided with a pivotal pin 7^d to receive one end of the front guide-roller, a description of which will appear farther on. At the rear end of each side plate is a vertical groove 7^e (see Figs 3 and 4) to receive the sides of the back end plate 2.

At the front lower inclined top portion 8 of the case are two differently-sized holes 9 9^a, through either of which the ends of cigars may be put to be cut, and at the upper inclined portion 8^a is a large opening 10, (see Figs. 2 and 5,) through which advertisements may be viewed. Immediately below the top plate a depression or opening 11 (see Figs. 4 and 5) is made in each side plate to allow the ends of a glass plate 12 to fit and be secured in place when the top is put on, as shown in Fig. 5. A supporting-plate 13, of pasteboard or other suitable material, is placed below the ribbon to support it, as shown in Fig. 5. This plate 13 is provided at each side with an upwardly and outwardly extending flange 14, (shown in Fig. 8,) the object being to allow the plate to rest under the ribbon to support it and the flanges 14 to reach up high enough to extend into the opening 11 under the glass, and thereby be securely held in place when the top 3 is fastened in place. The main feed-roller 15 (see Figs. 3 and 5) is preferably constructed of wood and provided with a series of circumferential grooves 16, the office of which will appear farther on. At each end of the roller 15 is a hole adapted to fit over the pins 7^b, and thereby support said roller and allow it to rotate thereon. (See Fig. 3, where this is shown.) The operating-surface of the main feed-roller is preferably covered with sand or its equivalent to provide a better feeding-surface.

Immediately below the holes 9 9^a is pivoted

on a pin 17 (formed integral with the side 1^a) a cutting-bar 18. This bar 18 is provided with a sharp edge on its front or cutting side and is located so that as it is turned on its pivotal pin it moves directly past the holes 9 9^a, which are also made so that their bottom edges are cutting edges. At the outer end of the cutter-bar is a handle 19, by which it is operated.

10 In the side plate 1 (which is made thicker than the opposite side 1^a) is a depression 19^a. (See Figs. 4 and 5.) Within the upper portion of this depression is pivoted on a pin 7^b, formed integral with the side 1, a substantially
15 semicircular plate 21. (See Fig. 4.) On the lower part of the plate 21 is pivoted a connecting-rod 22. (Shown in said Fig. 4 and also by dotted lines in Fig. 3.) The opposite end of the connecting-rod 22 is pivoted to the cutter-
20 bar 18. (Shown in Figs. 3 and 4.) To the opposite or upper side of the plate 21 is pivoted a spiral spring 23, having its opposite end secured to a pin 24, formed integral with the side 1. The main feed-roller is provided with
25 a ratchet-wheel 25, and on the pivoted plate 21 is loosely pivoted a pawl 26, (see Fig. 4, where these parts are shown,) adapted to drop and engage with the ratchet-wheel 25.

From the above description it will be seen
30 that if the cutter is moved forward by the handle 19 a cigar end placed in either of the holes 9 or 9^a will be cut and that the main feed-roller 15 will receive a partial rotation in the direction of the arrow V (shown in Figs.
35 4 and 5) and that immediately on the release of the handle 19 the spring 23 will bring the cutter to its normal back position, as shown in Fig. 3, its forward position being shown by dotted lines 19^e.

40 27 in Figs. 3 and 5 represents an inclined plate or partition to separate the cigar-cutting apartment from the ribbon and its operating mechanism.

On the under side of the base 4 is a depression or recess 28, (shown by dotted lines in
45 Figs. 3 and 5,) through which is an opening adapted to receive a cork or stopper 29, which may be taken out when it is desired to remove the cigar-cuttings.

50 The front guide-roller 30 (shown in Figs. 3 and 5) is provided with a pivotal pin 31, (shown by dotted lines in Fig. 3,) which fits in a central hole 32 in the pin 24 on the side plate 1. (See Fig. 4.) The opposite end of the said
55 roller 30 is provided with a circular hole or depression which fits over the pin 7^d (see Fig. 3) on the side piece 1^a, so as to be rotatable on said pins 7^d and 31.

The side pieces 1 and 1^a are each provided
60 with two small circular holes or depressions 32, arranged so that the holes 32 will be directly opposite each other when the two side pieces are in place on the base 4.

An S-shaped plate 33 is provided with
65 small side pieces 34, (see Fig. 6,) adapted to fit in the holes 32 when said plate 33 is in its proper position within the supporting-case,

and thereby be held securely in position therein. The plate 33 is also provided with a series of prongs 35, adapted to pass in between
70 the grooves or openings 16 in the main feed-roller 15. The object of the S-shaped plate is to keep the ribbon in place in the ribbon-chamber and also to produce a slight tension on the ribbon, and thereby keep it a little
75 taut and smooth as it is drawn under the exposure-opening 10 by causing it to be drawn up around the lower end 36 of said S-shaped plate. (See Fig. 5.)

On the pins 7^c is pivoted a plate 37 by means
80 of two upward-extending ears, (see Figs. 5 and 7,) so it can oscillate thereon. At the front end of the plate 37 are two downward-extending ears 38, between which is pivoted a pressure-roller 39. At the top of the plate
85 37 is a spring 40, which presses up against the inner side of the top 3 of the holding-case, and thereby holds the roller 39 with a yielding force against the feeding-roller 15. The
90 object of the pressure-roller 39 is to hold the ribbon closely against the roughened face of the main feed-roller with sufficient force to draw the ribbon forward every time the cutter-bar is operated, and thereby expose a different advertisement.

41 represents the ribbon, which is an endless band. It is placed in the machine when
95 the top and one side are off. Then the two sides, S-shaped piece, and rollers are secured in their proper places, the greater portion of
100 the band extending up through the opening between the sides and the outside of the case. The roller 39 is now held against the roller 15 by pressure upon the spring 40. The cutter-bar is then operated until all of the rib-
105 bon is gathered into the case, as shown in Fig. 5. The top plate 3 (which rests on the spring 40 and holds it with sufficient pressure) is now secured in place, and the device is ready for operation.

By the above construction one hundred or
110 more different advertisements may be printed on a single endless band or ribbon, and every time a cigar is cut or the cutter operated a new advertisement will be exposed.

I claim as my invention—

1. In an advertising device, the combination of an inclosing case, a main roller and an auxiliary roller journaled therein, said main roller having a series of circumferential
120 grooves, an endless band carrying advertisements supported upon said rollers, mechanism within reach of the operator for actuating the rollers, and a partition behind which the larger portion of the band is loosely folded,
125 the upper end of said partition being provided with a series of prongs or fingers which seat in the grooves in the main roller and thus direct the band from the main roller to behind the partition as it is fed by the rotation of the
130 rollers, as set forth.

2. 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 insertion of a cigar-tip, a main roller mounted upon journals attached to the side pieces and provided with a roughened-surfaced periphery and a series of circumferential grooves, 5 an auxiliary roller, also journaled in the side pieces, an endless belt carrying advertisements partially encircling said rollers and having its larger portion loosely inclosed within the case, a partition having projections extending from its upper end and seating in the grooves in the main roller, an upper portion pivotally supported by the side portions, a roller at the forward end thereof, spring 15 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, a lever cigar-cutting device, a connection between said lever 20 and the pivoted portion and a spring for returning said lever and pivotal portion to their normal position, as set forth.

3. The combination of an inclosing case 25 comprising a base, side and end portions detachably fastened to said base and a top detachably fastened upon the sides and ends and having a window and a circular hole or holes for receiving the tip of a cigar, main and auxiliary rollers mounted in said case, 30 an endless band carrying advertisements passing over said rollers, a ratchet upon the main roller, a pivotal portion having a pawl adapted to engage with the ratchet, a lever for oper-

ating said pivotal portion, said lever having 35 a sharpened edge adapted to sever the cigar-tip in the holes in the inclosing case, during the range of movement necessary to operate the pivotal portion, and a partition in the rear of the main roller and devices for directing 40 the band from the main roller into loosely-folded condition in the space behind the partition as set forth.

4. The combination of an inclosing case comprising a base, side portions secured to 45 said base and having depressions, end portions secured to the base and a top secured on the side portions and ends and having a window and one or more holes for receiving the tip of a cigar, main and auxiliary rollers 50 having shafts journaled in the depressions in the side portions, an endless band carrying advertisements passing over said rollers, a ratchet upon the main roller, a pivotal portion having a pawl adapted to engage with 55 the ratchet, a combined lever and cigar-tip cutter for operating said pivotal portion, a spring for retracting said pivotal portion and the lever to their normal position upon release of said lever, and a partition for collect- 60 ing the larger portion of the belt in loosely-folded condition in the rear of the rollers, as set forth.

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Witnesses:

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