

No. 629,378.

Patented July 25, 1899.

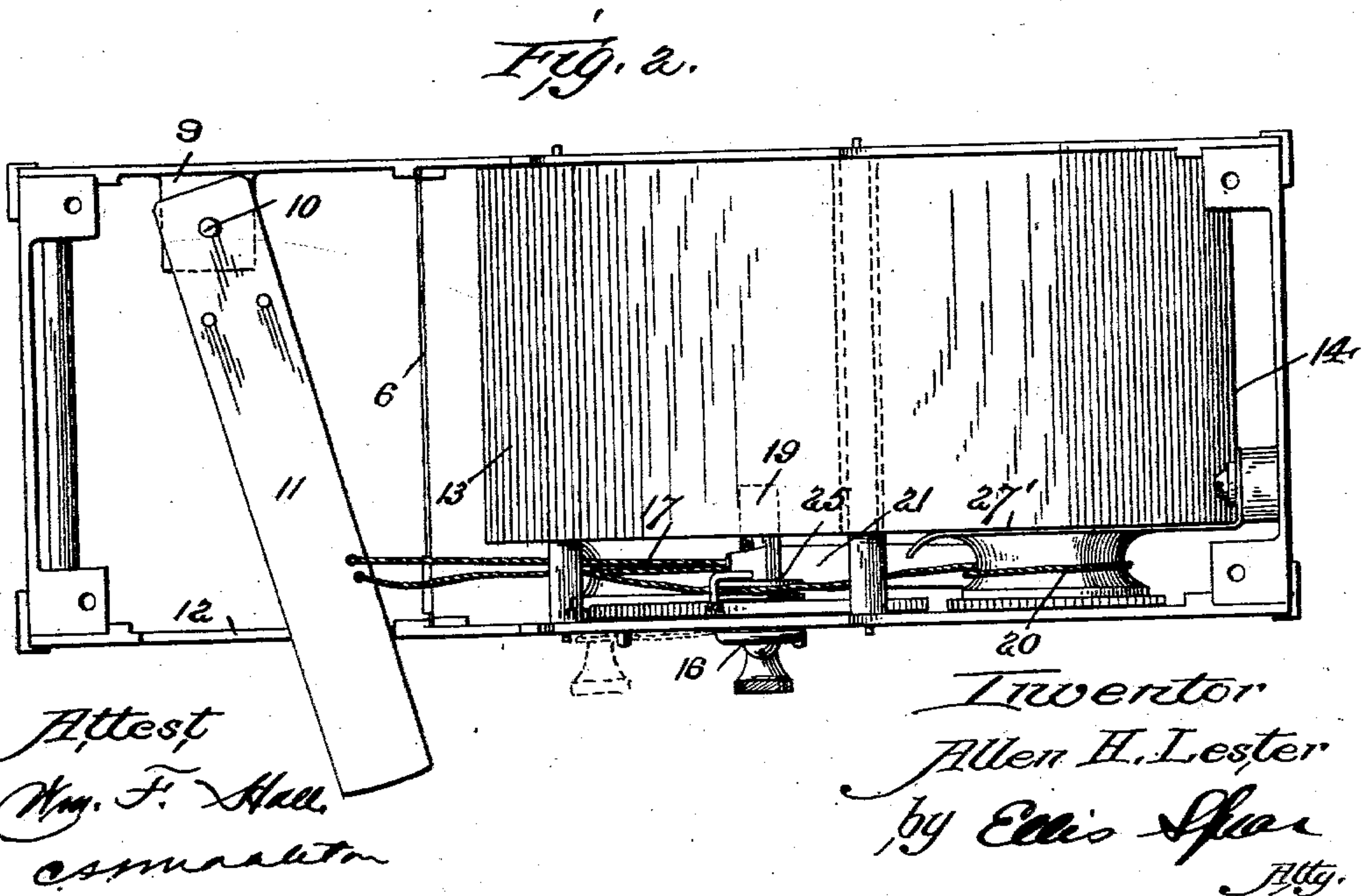
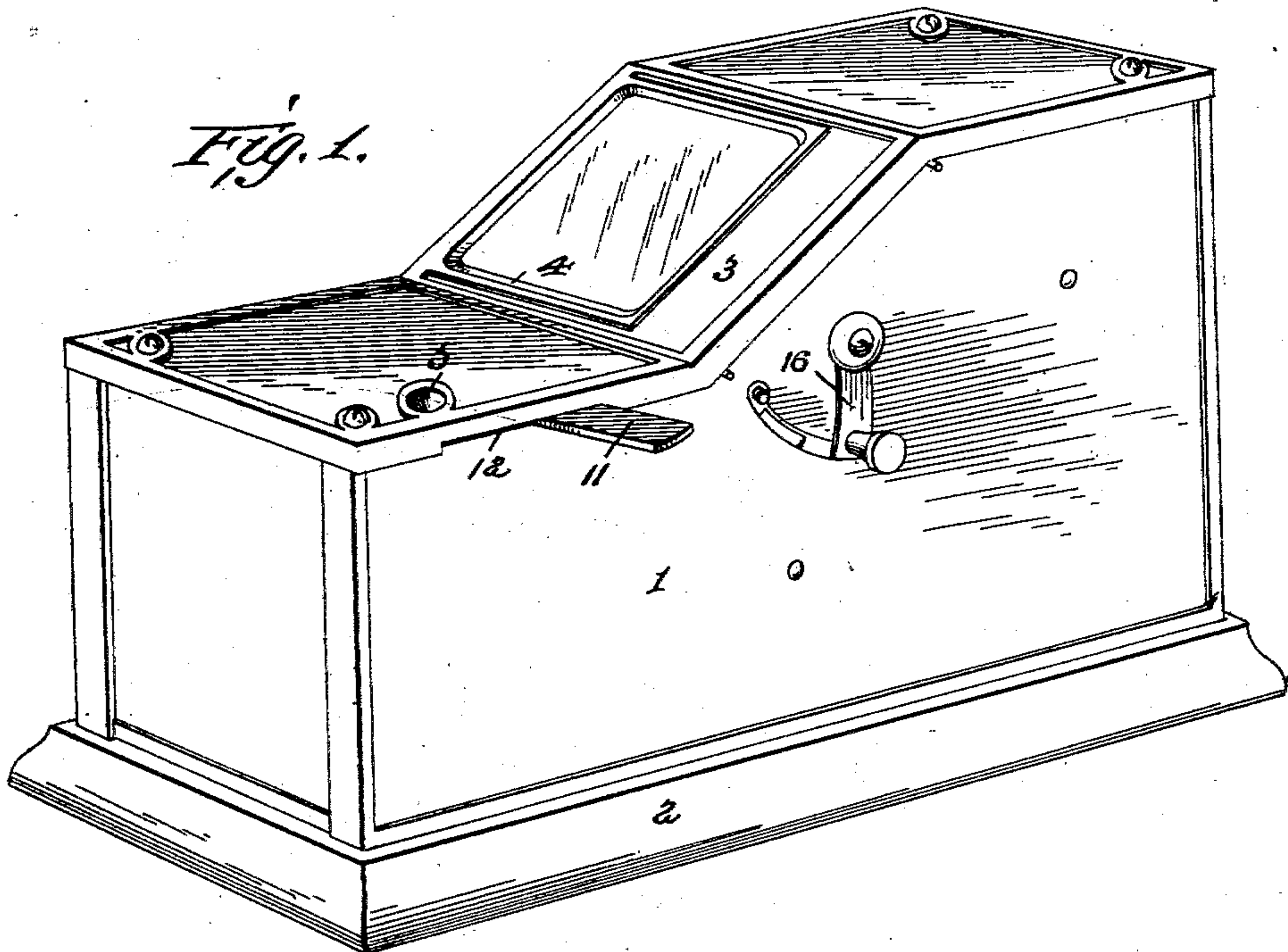
A. H. LESTER.

COMBINED CIGAR TIP CUTTER AND ADVERTISING DEVICE.

(Application filed Jan. 25, 1899.)

(No Model.)

2 Sheets—Sheet 1.



Attest
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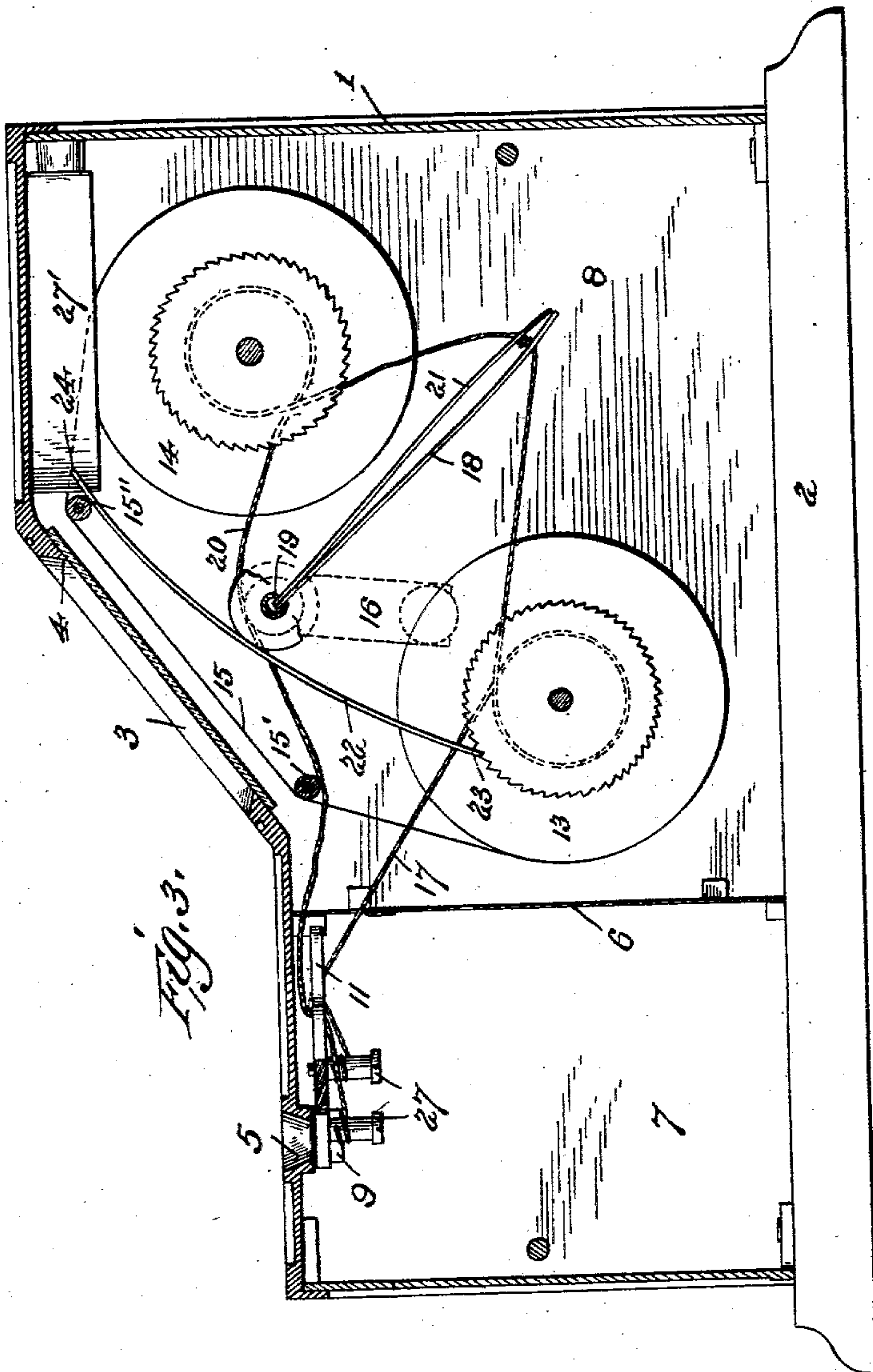
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2 Sheets—Sheet 2.



Attest
Wm. F. Hall
Commissioner

Inventor
Allen H. Lester
by Ellis Spear Atty.

UNITED STATES PATENT OFFICE.

ALLEN H. LESTER, OF BATH, MAINE, ASSIGNOR TO THE TORREY ROLLER BUSHING WORKS, OF SAME PLACE.

COMBINED CIGAR-TIP CUTTER AND ADVERTISING DEVICE.

SPECIFICATION forming part of Letters Patent No. 629,378, dated July 25, 1899.

Application filed January 25, 1899. Serial No. 703,371. (No model.)

To all whom it may concern:

Be it known that I, ALLEN H. LESTER, a citizen of the United States, residing at Bath, Maine, have invented certain new and useful
5 Improvements in a Combined Cigar-Tip Cutter and Advertising Device, of which the following is a specification.

My invention relates to a combined cigar-tip cutter and advertising device in which the
10 advertising matter is printed or indited on a band contained in a suitable casing having an opening therein, through which the band may be seen, said band being shifted at each operation of the tip-cutter lever.

15 The invention includes a pair of loosely-mounted spools carrying the band containing the advertising matters and means operated by the cutter for rotating the spools to feed the band in either direction. It further includes operating-cords and means for frictionally connecting said cords with the spools and means for throwing the same out of operation;
20 and it also includes the details of construction, as will be hereinafter described, and particularly pointed out in the claims.

Figure 1 is a perspective view of the complete device. Fig. 2 is a plan view with the top of the casing removed, and Fig. 3 is a longitudinal sectional view.

30 The casing 1, which rests upon the base 2, is of substantially rectangular shape, the top thereof having an inclined intermediate portion 3, with an opening 4 therein closed by a transparent plate, so that a view may be obtained of the advertising matter, and an opening 5 near the front edge of said top for the insertion of the cigar-tips. A vertical partition 6 divides the interior of the casing to provide two compartments, the one, 7, to receive the tips and the other, 8, to receive the advertising mechanism. From one side wall of the compartment 7, near the top thereof, a lug 9 projects to provide a support for one end of a lever, which is pivoted on a stud 10, extending upwardly therefrom, the free end of the lever extending through a recess 12 in the opposite side wall of the casing to the outside of the same, where it may be grasped by the operator, as hereinafter described. The lever is provided with a knife-edge, which acts
50 in conjunction with the flat face of a projec-

tion on the under side of the top of the casing around the opening 5 to give a shear cut in severing the tip of a cigar inserted in said opening.

55 In the lower part of the compartment 8, near the partition, a spool 13 is loosely journaled on a dead-shaft extending between the sides of the casing, and in the upper rear part thereof a second spool 14 is similarly mounted. To these spools the opposite ends of a band 15 are fastened. The band has the advertising matter printed or indited upon its face in a series of short paragraphs or spaces conforming in size to the opening 4,
60 in proximity to which the band is guided by a pair of loose rollers 15' 15'', extending between the sides of the casing, located, respectively, at the bottom and top of the incline portion of the sides. One end of each spool
70 is fitted to receive a cord, which passes around and is adapted to operate the same by frictional contact therewith.

The cord 17 for operating the spool 13 is secured to the lever 11 at one end, and its intermediate portion passes over and around
75 said spool, its opposite end being secured to the end of a spring-blade 18, carried by a stud 19, journaled in the side of the casing, the outer end of which is provided on the outside
80 of the casing with an adjusting-lever 16, to be described. The cord 20 for the spool 14 is likewise secured to the lever 11, but it passes under and around said spool 14, and its opposite end is secured to a corresponding spring-
85 blade 21, carried by the stud 19. As will be seen, the ends of the blades 18 and 21, to which the cords 17 and 20 are attached, extend into the free space between the spools, and so may have an obstructed movement,
90 and these blades form a tension device, which tends to hold the lever 11 retracted.

The lever 16, which is provided with a finger-piece for the ready operation of the same, is of spring metal, its end bearing against a
95 track formed on the outer face of the side of the casing, at each end of which a stud is located to form a stop for said lever. The track adjacent to each of said stops is also recessed to provide a seat for the end of the
100 lever to prevent its accidental movement. When the lever is at the extreme left, as in-

indicated by dotted lines in Fig. 2, the blades 18 and 21 are moved the maximum distance away from the spool 14. Thus the cord 20 will be drawn taut around said spool, which will also draw the lever 11 to its extreme rearward position, while the cord 17 will be slackened. Upon a person placing the tip of a cigar in the opening 5 and drawing the lever 11 forward to cut the same the cords will also be pulled forward; but as the cord 17 is slack it will not affect the spool 13, while the cord 20 being taut through its frictional contact with the spool 14 it will turn the same forward and shift the band 15 a sufficient distance to move the advertising matter then in sight from beneath the opening 4 and the matter in the succeeding space on said band into view. On reversing the lever 16 the blades 18 and 21 are moved away from the roller 13 and toward the roller 14, thus pulling taut the cord 17 and slackening the cord 20. On operating the lever 11 with the parts in this position the roller 13 will be operated by its cord, while the roller 14 will be reversely rotated by the band 15 pulling thereon. As before noted, the cords 17 and 20 are reversely wrapped around their respective spools, so that when the belt is completely unwound from one spool by shifting the lever 16 the belt will be fed in the reverse direction. The spring in the blades 18 and 21 permits them to give to compensate for the forward movement of the lever 11 and to return said lever after each operation.

To compensate for any giving or stretching of the cords from usage, the ends which are secured to the lever 11 are fixed to screws 27, depending from said lever, which may be turned to wind said cords around the same to keep the lengths of said cords uniform.

To hold the spools against rearward rotation when the cords are taut thereon and under the tension of their respective spring-blades, each spool is provided with a ratchet-wheel, which is adapted to be engaged by the spring ends of an arm 22. This arm is fixed intermediately of its length to the stud 19 and is provided with oppositely-extending spring ends 23 and 24. When the lever 16 is moved to the left the stud 19 is rocked, which will tilt the arm 22 and bring the end 24 thereof into engagement with the ratchet on the spool 14, while the end 23 will be moved clear of the ratchet on the spool 13. Thus while the spool 14 is held against reverse movement the spool 13 is free to move in this direction under the pull of the band at each forward movement of said spool 14. On reversing the lever 16 the operating-cord, as before described, is drawn taut around the spool 13 and the arm 22 is reversely tilted, so that the end 23 thereof will be thrown into engagement with the ratchet carried by said spool 13, while the end 24 will be freed. The cord 20 is guided in running from the lever 11 to the spool 14 over a pulley 25, mounted loosely on the stud 19, a hook fixed to the arm 22

and extending over said pulley insuring the retention of the cord thereon.

From the rear wall of the casing an arm 27' extends horizontally just above the plane of the periphery of the spool 14, the flat inner face of which acts as a guide for the belt. The free end of this arm may be deflected outwardly, as shown, to prevent it catching in the edge of said band.

I claim—

1. In combination in a combined cigar-cutter and advertising device, the cutter-lever, the band carrying the advertising matter, the spools therefor, means interposed directly between said lever and the spools for feeding said band on the operation of said lever, and means for changing the relation of said interposed means for reversing the feed of said band, substantially as described.

2. In combination, the cutter-lever, the spools, the belt carried thereby, the tension device and the means connecting the lever and tension device, said means engaging said spools and being adapted to feed the same when the lever is operated, substantially as described.

3. In combination, the cutter-lever, the spools, the belt carried thereby, the tension device having a connection to said lever to normally hold the same retracted, said connecting means engaging said spools, and means for shifting said tension device without affecting said lever to change the relation of said connecting means in relation to said spools.

4. In a cigar-tip cutter and advertising device, a cutter-lever, the spools, the belt carried thereby, and an independent cord for operating each spool secured to said lever and contacting with its proper spool substantially as described.

5. In a cigar-tip cutter and advertising device, a cutter-lever, the spools, the belt carried thereby, and an independent cord for operating each spool secured to said lever, and means for throwing said cords into and out of operation, substantially as described.

6. In a cigar-tip cutter and advertising device, a cutter-lever, the spools, the advertising-band carried thereby, cords secured to said lever for operating said spools and means for exerting a tension on said cords to bring the same into frictional contact with said spools and retract said lever, substantially as described.

7. In a cigar-tip cutter and advertising device, a cutter-lever, the spools, the belt carried thereby, cords secured to said lever, and passing around said spools, tension means for holding said lever retracted and one of said cords taut, and means for shifting said tension means to reverse the effect thereof on said cords, substantially as described.

8. In combination, a cutter-lever, the band, the spools carrying the same, independent cords secured to said lever and wound around said spools, means for exerting a tension on

said cords to hold the same taut and in frictional contact with said spools, and means for preventing the rearward rotation of either of said spools when its respective cord is taut, substantially as described.

9. In combination, the cutter-lever, the band, the spools carrying the same, the independent cords wound around each spool, one end of each cord being secured to said lever, spring-blades having the opposite ends of said cords secured to the same, means carrying said blades adapted to be adjusted to vary the tension on said cords, ratchet-wheels carried by each spool and means for engaging the same carried and controlled by the means carrying said blades, substantially as described.

10. In combination, the cutter-lever, the spools, the band carried thereby, the independent cords secured to said lever and wound around said spools, spring-blades having the ends of the cords secured thereto, a rocking stud carrying said blades and a lever for rocking said stud located outside of the casing, substantially as described.

11. In combination, the cutter-lever, the spools, the band carried thereby, the independent cords secured to said lever and wound around said spools, spring-blades having the ends of the cords secured thereto, a rocking stud carrying said blades, a lever for rocking said stud located outside of the casing and a ratchet-wheel carried by each spool and means for engaging the same fixed to said stud, substantially as described.

12. In combination, the cutter-lever, the spools, the band carried thereby, the independent cords secured to said lever and wound around said spools, spring-blades having the

ends of the cords secured thereto, a rocking stud carrying said blades, a lever for rocking said stud located outside of the casing, and a ratchet-wheel secured to each spool, an arm fixed to said studs having spring ends, one of said ends being adapted to engage the ratchet of the spool having its cord taut while the other end is held free of the other ratchet-wheel, substantially as described.

13. In combination, the cutter-lever, the band, the spools carrying the same, the cords for operating said spools and the compensating devices for said cords carried by said lever to which said cords are secured.

14. In combination, the rectangular casing having a sight-opening, and an opening for the cigar-tip therein, a pivoted cutter-lever working horizontally in said casing, an advertising-belt-feeding means therefor operated by the cutter-lever, a movable device having said means connected thereto and a lever located outside of the casing for shifting said device for changing the relation of said feeding means to reverse the feed of the belt, substantially as described.

15. In combination, the rectangular casing having a sight-opening and an opening for the insertion of the cigar-tip therein, separate compartments in said casing, a cutter-lever, located in one compartment and an advertising-belt and operating mechanism therefor actuated from said lever located in another compartment, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ALLEN H. LESTER.

Witnesses:

Mrs. A. H. LESTER,
WM. D. MUSSENDEN.