

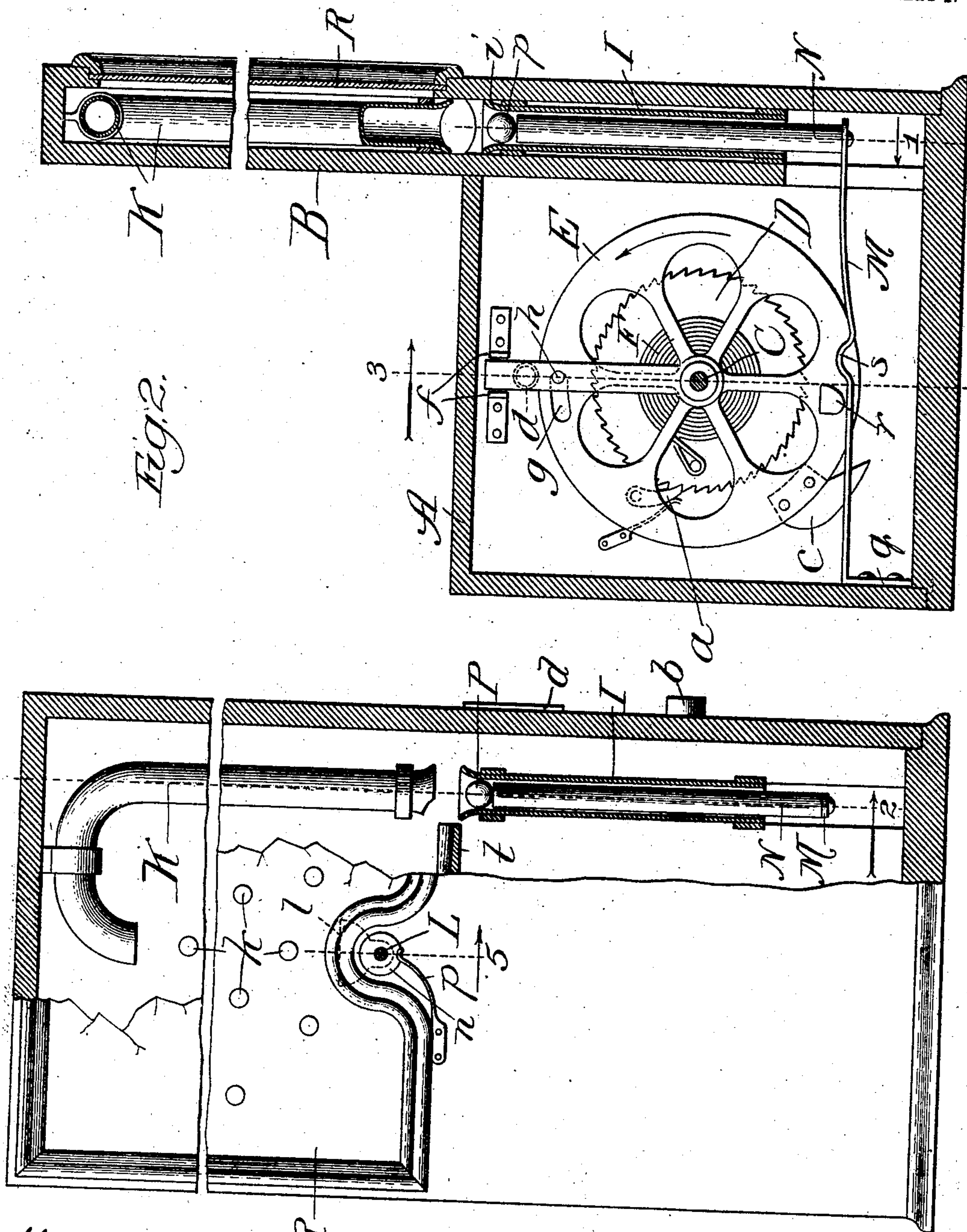
No. 845,536.

PATENTED FEB. 26, 1907.

J. C. F. DICK.  
CIGAR CUTTER.

APPLICATION FILED FEB. 27, 1906.

2 SHEETS—SHEET 1.



Witnesses:  
E. J. Chafford,  
Chas. A. Buell.

Fig. 1.

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2 SHEETS—SHEET 2.

Fig. 4.

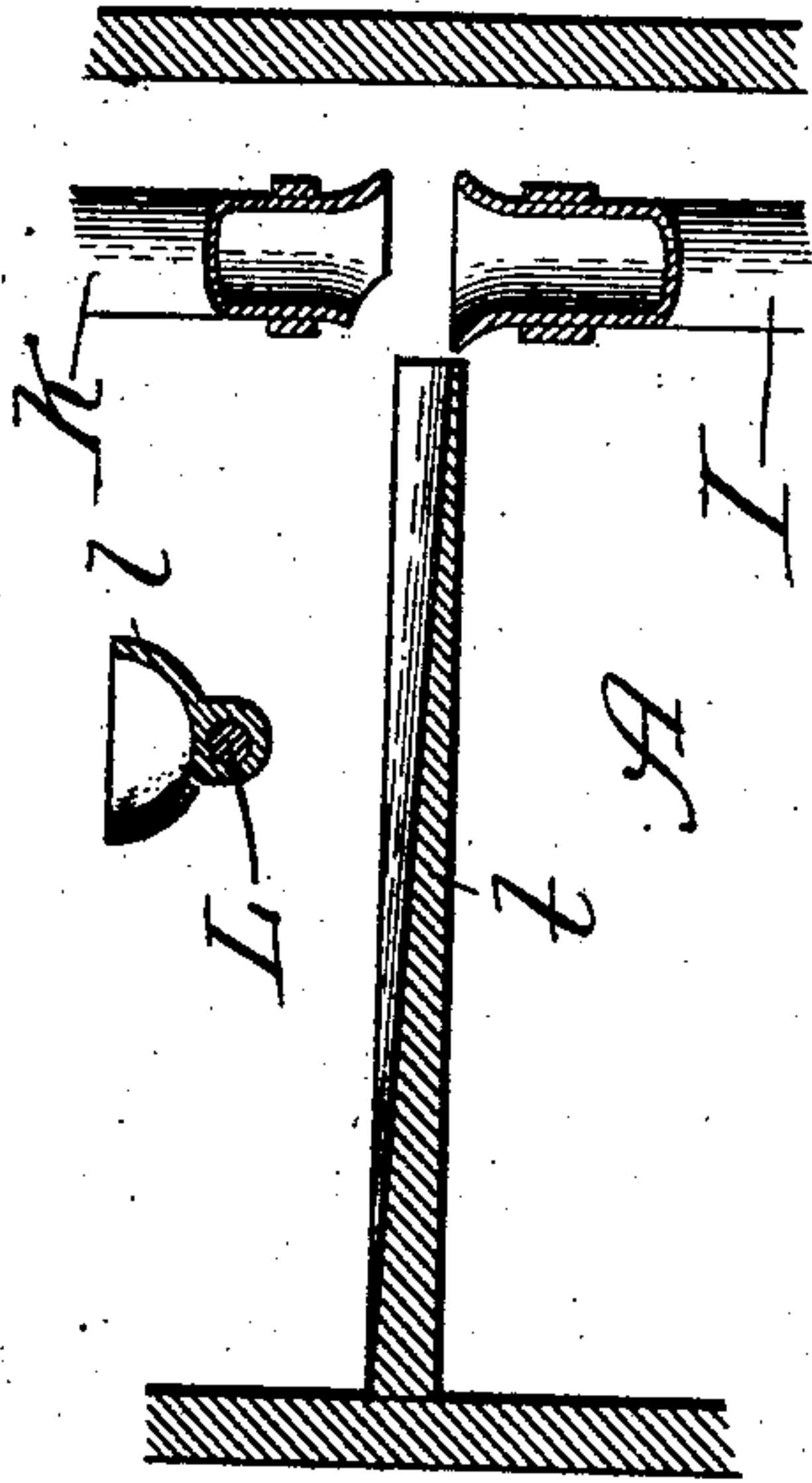


Fig. 5.

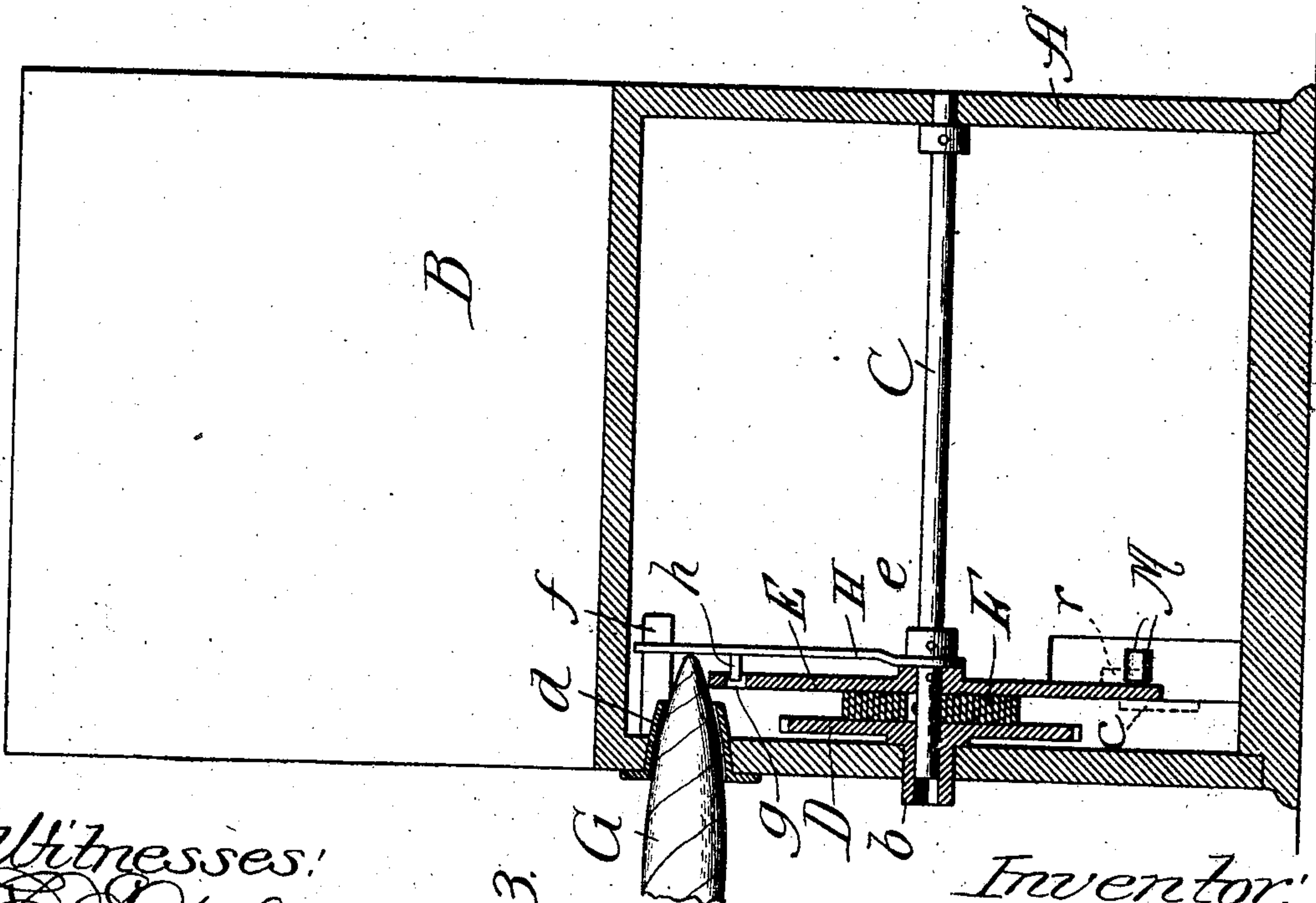
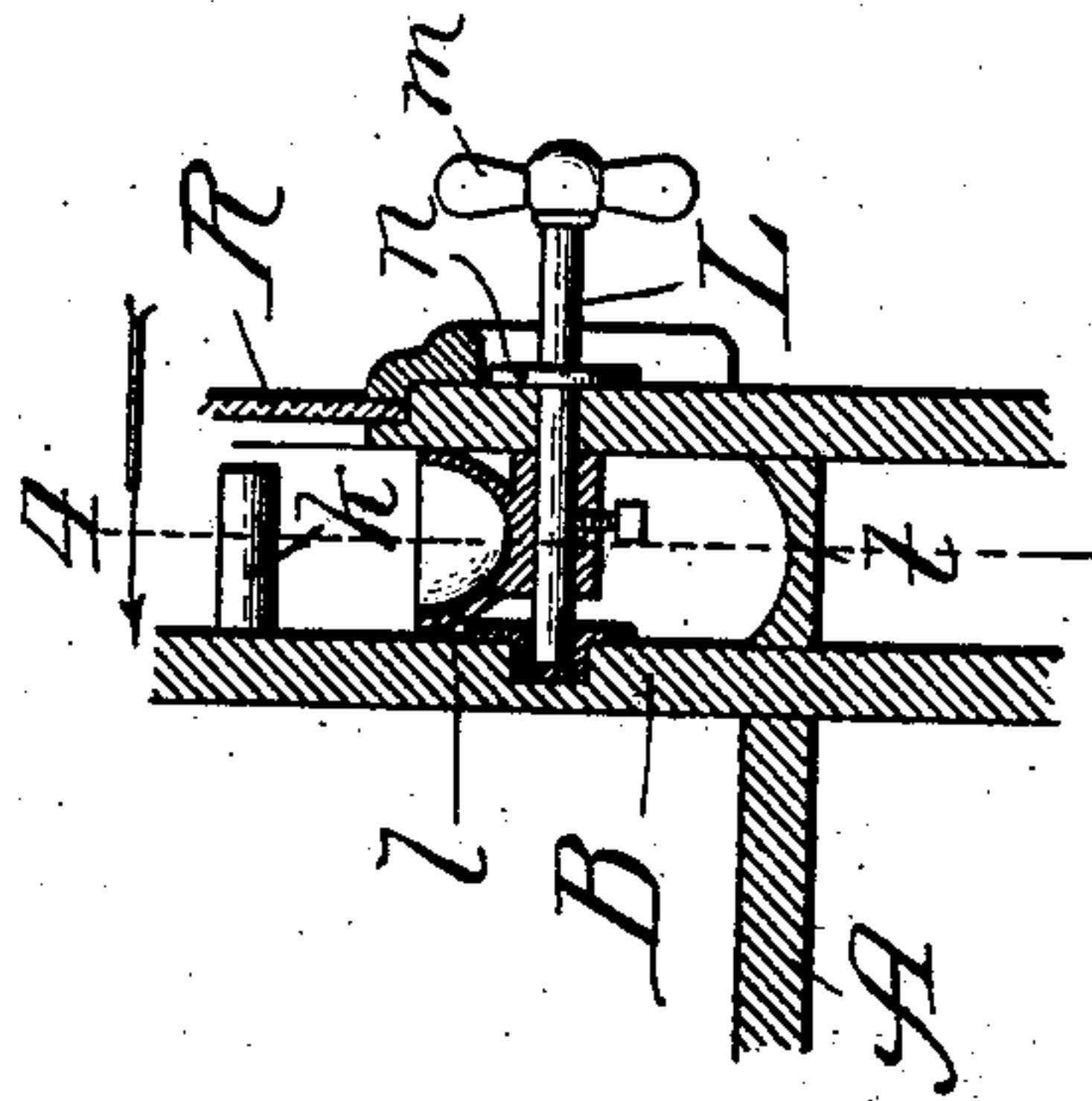


Fig. 3.

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# UNITED STATES PATENT OFFICE.

JOSEPH C. F. DICK, OF KENWOOD, CALIFORNIA.

## CIGAR-CUTTER.

No. 845,536.

Specification of Letters Patent.

Patented Feb. 26, 1907.

Application filed February 27, 1906. Serial No. 303,173.

*To all whom it may concern:*

Be it known that I, JOSEPH C. F. DICK, a citizen of the United States, residing at Kenwood, in the county of Sonoma and State of California, have invented a new and useful Improvement in Cigar-Cutters, of which the following is a specification.

My object is to provide means in connection with a cigar-cutter to be actuated thereby while cutting a cigar to cause movement of an object or mechanism which by its movement attracts attention or affords amusement and may thus form a medium for advertising or entertainment.

The spirit of my invention may be carried out in various ways, as illustrated, for example, in the accompanying drawings. No limitation, however, is intended by this detailed disclosure, as the invention may be variously modified without departing from the scope of the accompanying claims.

In the present embodiment of my invention I provide a spring-actuated cigar-cutter of common form wherein a cutter-carrying wheel is caused to rotate once by the insertion of a cigar end into an opening and to cut off said end. Actuated by the wheel in its rotation is a spring-plunger movable to drive a ball and direct it over deflector-pins. The ball in its descent may be caused by the pins to enter a cup, which is the object to be attained, or the ball may miss the cup and roll back upon the plunger. Should the ball enter the cup, it may be discharged by upsetting the cup, when the ball will return to its initial position.

Referring to the drawings, Figure 1 is a broken view, partly in section and partly in elevation, the section being taken on line 1 in Fig. 2; Fig. 2, a broken section taken on line 2 in Fig. 1; Fig. 3, a section taken on line 3 in Fig. 2; Fig. 4, a broken fragmentary section taken on line 4 in Fig. 5; and Fig. 5 a fragmentary section taken on line 5 in Fig. 1. All the sections are viewed as indicated by the arrows.

A is a casing or box containing the cigar-cutter mechanism, and B a casing joined thereto and containing the advertising or entertainment feature. Journaled in the box portion A is a shaft C, carrying a ratchet-disk D and a disk or wheel E. The ratchet D is loose upon the shaft and attached to one end of a clock-spring F, the other end of which is attached to the shaft. A spring-actuated pawl *a* on the stationary frame or

casing engages the ratchet-wheel, which has a sleeve or hub portion *b*, provided with a key-socket for the insertion of a key to rotate the ratchet, and thus wind up the spring F. Fastened to the peripheral portion of the disk E is a cutter-knife *c*, adapted to shear across the inner end of a guide *d*. The said guide is shaped to receive and permit the passage through it of the end of a cigar G. Loose upon the shaft C is a spring-arm H, clamped between the hub of the disk E and a collar *e* on the shaft. The arm at its free end extends between guides *f* in the casing. In the disk E is an opening *g*, with which registers a stud *h* on the arm H when the parts are in the position shown. The stud *h* normally engages the opening *g* to hold the disk E and shaft C against rotation.

When a cigar G is pressed into the guide or opening *d*, it is forced against the spring H to bend the same and cause the stud *h* to release the opening *g*. Thereupon the disk E and shaft C will be turned by the spring, causing the cutter-knife *c* to shear off the end portion of the cigar. When the disk has completed the revolution, the stud *h* engages the slot *g* and holds the parts stationary.

In the casing B is a stationary guide-tube I, having a flaring upper end *i* in the position shown. A tube K terminates at its lower end over the mouth *i* of the tube I and is bent at its upper end to terminate near the top and center of the casing B. Beneath the higher end of the tube K is a series of deflector-pins *k*, disposed in any arbitrary way and fastened against one wall of the casing. At the center of the casing in a plane above the mouth *i* is a rock-shaft L, on which is secured a cup *l*. On the outer end of the rock-shaft is a handle *m* and a disk or collar *n*, having a notch to be engaged by a spring *p* and hold the cup normally in the upright position shown. Attached to the casing at *q* is a spring M, provided at its free end with a plunger N, working up and down in the tube I. The wheel E carries a lug or offset *r*, and the spring M is formed with a shoulder *s*. In the rotation of the wheel E the lug *r* wipes across the shoulder *s*, thus causing the spring to be depressed and then spring up to move the plunger N upward with a jerk.

The upper part of the frame B at one side is provided with a pane of glass R, through which the tube K, pins *k*, and cup *l* are exposed to view. Extending beneath the cup *l* of the tube I is an inclined guide or trough *t*.



A ball or missile P is placed in the tube I on top of the plunger N, and the device is ready to operate. Each time the cutter mechanism is caused to operate as described the spring M is caused to actuate the plunger N to drive the ball P upward through the tube K, whence it is discharged onto the deflector-pins. If the ball misses the cup L, it drops into the trough t and runs back to the tube I onto the end of the plunger N. Should the ball drop into the cup L, it may remain there until discharged by the operator's rocking the shaft L to upset the cup L. In this case the ball will also drop into the trough t and roll to its initial position. The ball instead of dropping into a cup may be caused in its flight to impinge against a rotatable or otherwise movable advertising displaying means, or, in fact, the wheel E in turning may be caused to move any suitable object which in its movement will attract attention or give entertainment.

What I claim as new, and desire to secure by Letters Patent, is—

1. In a cigar-cutter, the combination of a normally stationary spring-rotated wheel, wheel-releasing mechanism in the path of an inserted cigar end adapted to be actuated to release the wheel by pressure on it of a cigar end, a cutter movable with said wheel for said cigar end, movable display mechanism, and a spring operatively connected with said display mechanism to be actuated by the movement of said wheel to actuate said display mechanism.

2. In a cigar-cutter, the combination of a normally stationary spring-rotated wheel, wheel-releasing mechanism in the path of an inserted cigar end adapted to be actuated to release the wheel by pressure on it of a cigar end, movable display mechanism, a spring operatively connected with said movable display mechanism, and a lug on said wheel adapted to engage said spring during the rotation of said wheel to actuate said display mechanism.

3. In a cigar-cutter, the combination with

the cutting mechanism and its operating means, of display mechanism comprising a missile-throwing plunger actuated by the movement of said operating means, a guide through which said plunger reciprocates and a missile cooperating with said plunger.

4. In a cigar-cutter, the combination with the cutting mechanism and its operating means, of display mechanism comprising missile-throwing means actuated by movement of said operating means, a missile cooperating therewith, deflector-pins for the missile, an upsetting receptacle to catch the missile, and a guide for returning the missile to said throwing means.

5. In a cigar-cutter, the combination of a normally stationary spring-rotated wheel, wheel-releasing mechanism in the path of an inserted cigar end, a cutter for said cigar end actuated by said wheel during its rotation, and movable display mechanism constructed and arranged to be actuated by said wheel at a time during which the cutting of the cigar end is not being performed.

6. In a cigar-cutter, the combination of a normally stationary spring-rotated wheel provided with a lug, wheel-releasing mechanism in the path of an inserted cigar end, a cutter for said cigar end actuated by said wheel during its rotation, and movable display mechanism constructed and arranged to be operated by engagement with said lug during the rotation of the wheel.

7. In a cigar-cutter, the combination of a normally stationary spring-rotated wheel, wheel-releasing mechanism in the path of an inserted cigar end, a cutter for said cigar end actuated by said wheel during its rotation, a movable display mechanism comprising a missile-throwing plunger constructed and arranged to be actuated by said wheel during a portion of its rotation, and a missile cooperating with said plunger.

JOSEPH C. F. DICK.

In presence of—

ALEX. T. CRANE,  
C. T. HAHMANN.