(No Model.)

J. E. HEATH & W. FREDRICKS.

COMBINED WATCH CHARM AND CIGAR CUTTER.

No. 340,212. Patented Apr. 20, 1886.

Fig. 1.

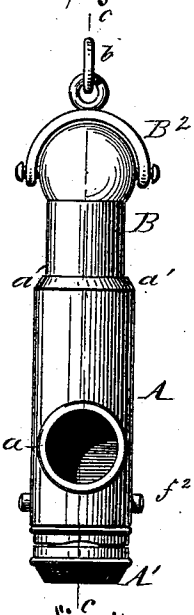


Fig. 3.

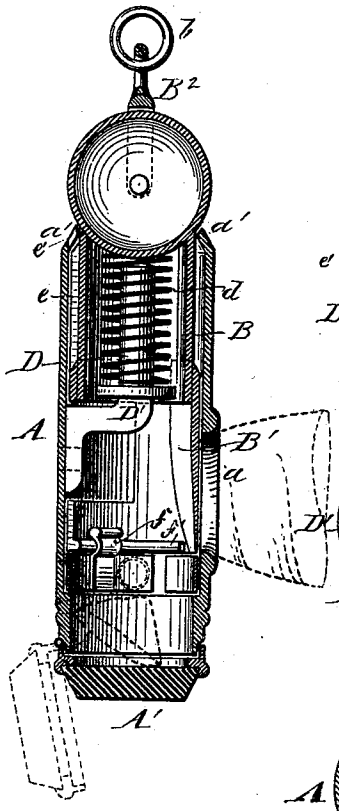


Fig. 4.

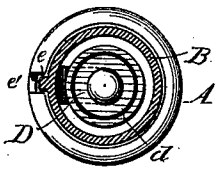


Fig. 5.

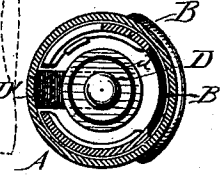


Fig. 6.

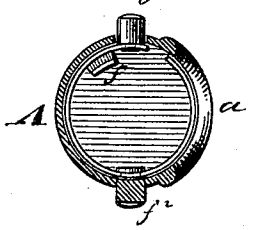
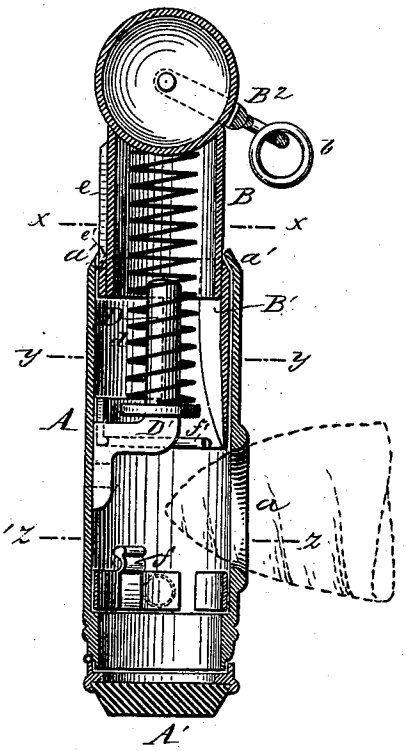


Fig. 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

JOHN E. HEATH AND WILLIAM FREDRICKS, OF NEW YORK, N. Y.

COMBINED WATCH-CHARM AND CIGAR-CUTTER.

SPECIFICATION forming part of Letters Patent No. 340,212, dated April 20, 1886.

Application filed May 15, 1885. Serial No. 165,553. (No model.)

To all whom it may concern:

Be it known that we, JOHN E. HEATH and WILLIAM FREDRICKS, of the city, county, and State of New York, have invented certain new and useful Improvements in Combined Watch-Charms and Cigar-Cutters, of which the following is a specification.

This invention has reference to a combined watch-charm and cigar-cutter.

In the accompanying drawings, Figure 1 represents a side elevation of our combined watch-charm and cigar-cutter, showing the same ready for cutting the tip of a cigar. Figs. 2 and 3 are vertical central sections on line *c c*, Fig. 1, showing the cutter respectively in position before and after cutting, and Figs. 4, 5, and 6 are horizontal sections respectively on lines *x x*, *y y*, and *z z*, Fig. 2.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents a cylindrical guide-shell, which is made of suitable sheet metal, and provided at one side with a circular opening, *a*, of sufficient size for admitting the insertion of the tip of the cigar. The upper end of the shell A is contracted, so as to form an inwardly-projecting retaining-flange, *a'*. The bottom of the guide-shell A is closed by means of a hinged cap, A', which may be provided with a suitable stone that is engraved so as to form a seal. By opening the cap, as shown in dotted lines in Fig. 3, the tips collected in the guide-shell A are dropped from the same.

In the upper part of the shell A is guided a tubular shank, B, to the lower end of which is rigidly attached a cutter, B', while the upper closed end is provided with a pivoted bail, B^2, that may be attached by a ring, *b*, to the watch-chain. Between the tubular shank B and a fixed bracket-post, D, at the interior of the guide-shell A, is interposed a spiral spring, *d*, which serves to lift the shank B out of the shell A, after the same has been pushed into the shell, as shown in Fig. 3.

The tubular shank B is guided by a longitudinal tongue or spline, *e*, in a recess, *e'*, of the flange *a'*, said tongue being recessed at the upper end, so as to be engaged by the flange *a'* on turning the shank B axially in the shell A. The shank B is thereby locked to the guide-shell A against the tension of the spring *d*. The lower part of the shank B covers thereby the opening *a*, while the recessed side portion of the lower part passes along the bracket D' of the post D, so as not to interfere therewith.

The watch-charm and cigar-cutter so far described constitutes the simplest form of our device, which is intended to be made up cheaply, so as to sell in large quantities. When making up the device in a more expensive style in gold or other precious metal, the shell A, in addition to the devices hereinbefore described, is provided below the opening *a* with a spring-actuated clasp, *f*, which engages the projecting flange *f'* at the lower edge of the tubular shank B, said flange being in line with the lower edge of the cutting-knife B'. When the cutter B' is moved in downward direction, the flange *f'* presses the beveled catch *f* in inward direction until it is engaged by the same. The shank B may then be turned so that its lower part closes the opening *a*, the catch *f* retaining it during its turning motion by its connection with the flange, in addition to the devices hereinbefore mentioned for retaining said shank. When it is desired to release the shank B, a projecting stud, f^2, attached to the spring of the clasp *f*, is depressed, and thereby the clasp released so that when the shank B is turned to permit the spline *e* to pass through the recess *e'* of the flange *a'* the spiral spring *d* can return the shank B and cutter B' into raised position until the cutter abuts against the flange *a'* of the shell A, as shown in Fig. 2. The spring-catch *f* has the advantage that the shank B is locked automatically by the clasp *f* when pushed down into the guide-shell A for cutting off the tip of a cigar, and is not required to be held in position until the tongue *e* is placed below the flange *a'* by turning the shank B, which is the case when no spring-clasp is used. The spring-catch *f* also prevents the rattling of the parts.

When carrying the device as a watch-charm, the shank B is pushed into the guide-shell, locked thereto, and then turned so as to close the opening *a*. A cutting-knife of segmental, V, or other shape, may be used. A neat and compact cigar-cutting device is thus obtained,

which can be conveniently carried on the watch-chain, so as to be always within reach for use.

The spring-catch *f* and flange *f'*, with which it engages, may, however, be entirely dispensed with, if desired, without destroying the successful operation of our device; but when used in conjunction with the spline *e* and flange *a'*, having slot *e'*, they form an auxiliary or supplemental safety-catch.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. The combination, in a cigar-tip cutter, of a tubular guide-shell having a side opening, and provided at its top with an inward flange having a recess, a spring-actuated tubular shank which reciprocates within said shell, provided with a cutter, and a spline which slides in said recess during the reciprocation of the shank, substantially as described.

2. In a cigar-tip cutter, a guide-shell having a side opening and an inward flange at its upper end, said flange being provided with a recess, in combination with a sliding and axially-turning tubular shank within said shell, provided with a cutter, and with a spline which slides in said recess during the reciprocation of the shank and engages said flange when the shank is pushed into and turned axially within the shell, substantially as described.

3. The combination, in a cigar-tip cutter, of a tubular guide-shell having a side opening, and provided at its top with an inward flange having a recess, a spring-actuated tubular shank which reciprocates within said shell, provided with a cutter, with a spline which slides in said recess, and with an arc-shaped flange at its lower end, and a spring-catch attached to said shell and engaging said arc-shaped flange, whereby the shank is permitted to turn axially within the shell while being held by the catch, substantially as described.

4. In a cigar-tip cutter, a guide-shell having a side opening, and provided at its top with an inward flange having a recess, in combination with a sliding and axially-turning tubular shank within said shell, provided with a cutter, and with a spline which slides in said recess during the reciprocation of the shank, and engages said flange when the shank is pushed into and turned axially within the shell, an arc-shaped flange attached to the lower end of said shank, and a spring-catch attached to said shell and engaging said arc-shaped flange, whereby the shank is permitted to turn axially within the shell while being held by the catch, substantially as described.

In testimony that we claim the foregoing as our invention we have signed our names in presence of two subscribing witnesses.

JOHN E. HEATH.
WILLIAM FREDRICKS.

Witnesses:
CARL KARP,
SIDNEY MANN.