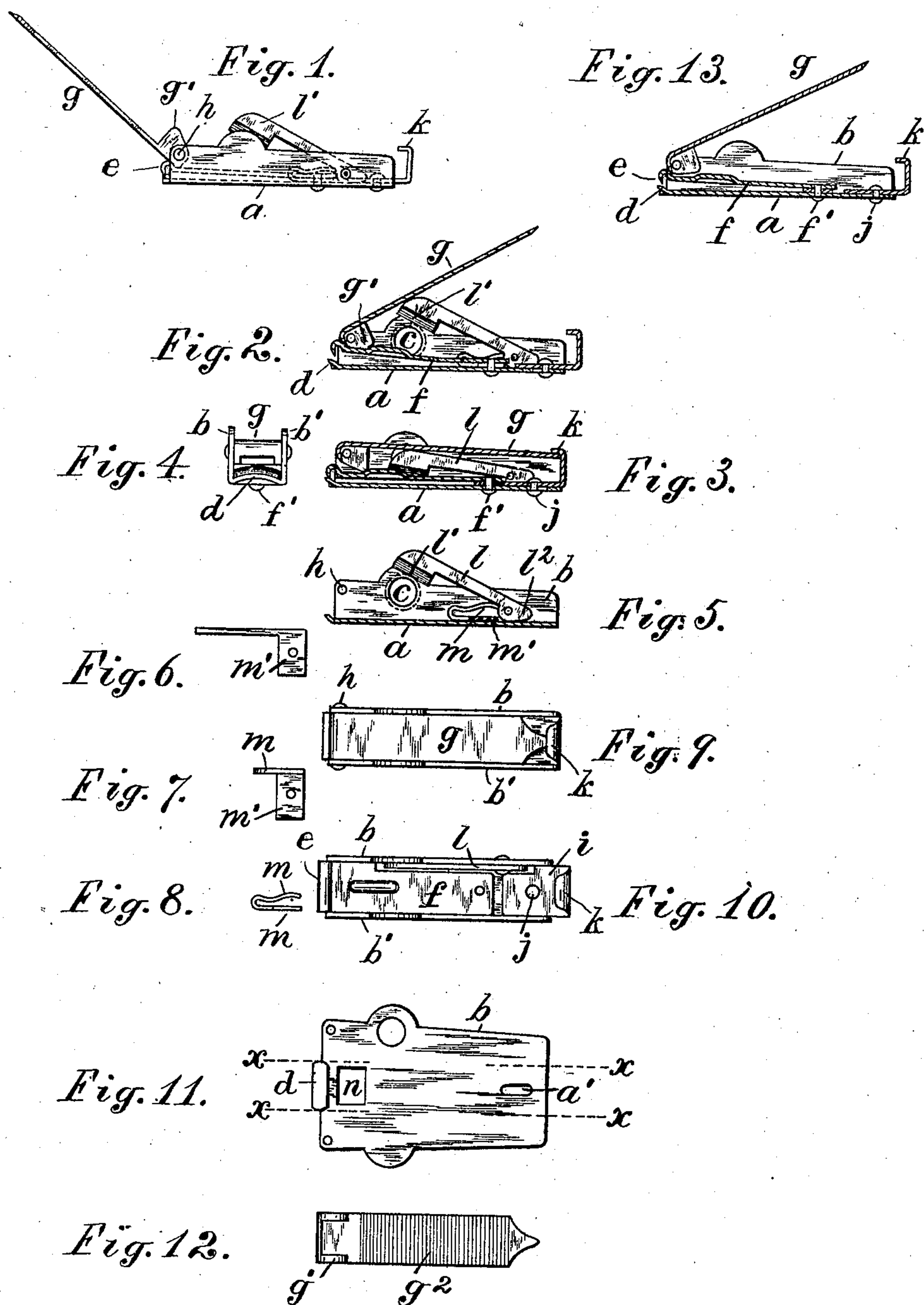


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G. HAVELL.
COMBINED CIGAR CUTTER AND NAIL CLIPPER.
APPLICATION FILED NOV. 11, 1904.



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UNITED STATES PATENT OFFICE.

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COMBINED CIGAR-CUTTER AND NAIL-CLIPPER.

No. 846,743.

Specification of Letters Patent.

Patented March 12, 1907.

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To all whom it may concern:

Be it known that I, GEORGE HAVELL, a citizen of the United States, residing at 30 Mount Prospect Place, Newark, county of Essex, and State of New Jersey, have invented certain new and useful Improvements in Nail-Clippers, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

The present invention furnishes a means of combining a nail-clipper and a cigar-cutter in a single instrument, so that it may be conveniently carried in the pocket and used for either purpose at pleasure; but the construction permits the clipper to be made without the cigar-cutting attachment.

The invention will be understood by reference to the annexed drawing, in which—

Figure 1 is a side elevation of the tool with the thumb-lever opened to use as a nail-file. Fig. 2 is a longitudinal vertical section at the middle of the tool with the thumb-lever adjusted to operate either the nail-clipper or the cigar-cutter. Fig. 3 is a similar section with the thumb-lever depressed and locked by its latch. Fig. 4 shows the front end of the tool with the nail-cutter closed. Fig. 5 is a section similar to Fig. 2 with the thumb-lever omitted and the leaf-spring carrying the nail-cutter. Fig. 6 is a plan of the blank for the cigar-cutter spring. Fig. 7 is a plan, and Fig. 8 an edge view, of the spring completed, the same as shown in Fig. 5. Fig. 9 is a plan of the tool with the thumb-lever closed and latched, as in Fig. 3. Fig. 10 is a plan of the tool with the thumb-lever removed to expose the other parts. Fig. 11 is a plan of the blank for the flanged frame of the tool, and Fig. 12 shows the under side of the thumb-lever. Fig. 13 shows the device constructed without the cigar-cutter.

The combined construction shown in Figs. 1 to 12 will first be described. The frame or bed of the tool is of trough shape having a bottom plate *a* with side flanges *b b'*. The flange *b* is provided with a hole *c* beveled inwardly. The plate *a* is provided with slot *a'* near the rear end and with a raised seat *d* at the front end for operation with the nail-cutter *e*. The cutter is formed at the front end of a leaf *f*, the rear end of the leaf being attached to the plate *a* by rivet *f'*. The thumb-lever *g* is provided with ears *g'* near

its forward end, hinged to the flanges *b b'* by rivet *h* over the cutter *e*. The ears are shaped, as shown in Figs. 2 and 3 to form cams, which press the cutter *e* upon the seat *d* when the lever is closed, as in Fig. 3. A latch is provided at the rear end of the trough and formed with a foot *i*, having rivet *j* inserted through the slot *a'* of the frame-plate and provided with a forwardly-projecting hook *k* to lap over the rear end of the thumb-lever *g*, which is shown pointed to serve as a nail-cleaner. The latch-hook *k* can be readily pushed backward by the finger-nail when it is desired to open the thumb-lever to use the implement. A cigar-cutter arm *l* is pivoted to the flange *b* near the rear end of the same and provided at its forward end with a cigar-tip cutter *l'* adjacent to the aperture *c*. The arm *l* is provided with a heel *l''*, which contacts with the plate *a* to prevent the cutter *l'* from rising above the edge of the aperture, as shown in Fig. 5, and the cigar-cutting arm is held normally raised by a spring *m*, having foot *m'*, as shown in Figs. 7 and 8, which is fitted, as shown in Figs. 2 and 3, beneath the foot or rear end of the leaf-spring *f*, which carries the nail-cutter, and the rivet *f'* thus secures both the leaf-spring and the spring *m* in place. The thumb-lever *g* is formed, as shown in Figs. 2 and 9, of suitable width to extend over the cutter *l'*, and the depression of the thumb-lever thus operates to actuate the nail-cutter *e* and the cigar-tip cutter *l'*. When the thumb-lever is raised, as shown in Fig. 2, both of the cutters assume a position in which the finger-nail or cigar-tip can be inserted to be clipped. When desired, the hole *c* may be omitted from the flange *b* and the cigar-cutter arm *l* and its spring may also be omitted, as shown in Fig. 13, the construction and operation of the nail-cutter being unchanged by the absence of these parts.

The device is entirely made of sheet-metal parts stamped into the desired form and is thus manufactured very cheaply, while it furnishes a very convenient device for clipping the nails and cutting cigar-tips.

The sheet-metal blank for the spring *m* is shown in Fig. 6 with a tongue extended from the foot *m'* of suitable length to bend over and form a yielding spring, as shown in Figs. 5 and 8. The blank for the frame is shown in Fig. 11 with the aperture *c* for in-

serting the cigar-tip, the slot *a'* for securing the latch *k* movably, a projection *d* to form the seat for the cigar-cutter, and an aperture *n* adjacent to such seat for the discharge of the nail-clippings. The blank is nearly rectangular in shape, and Fig. 11 shows two dotted lines *x x*, upon which the side flanges *b b'* are bent upwardly at right angles to the bottom part when finished, as shown in Fig.

4. The thumb-lever is shown in Fig. 12 with file-teeth upon its under side, as is common. The frame and cutter jaw or seat *d* are made of a relatively soft material, such as mild steel or German silver, while the spring or arm *f* is made of a relatively hard elastic material, such as tempered steel.

By making the frame or bed of the tool of trough-shape one of the side flanges may be readily perforated to insert the cigar-tip and the cutter for clipping off the tip can be also pivoted upon such side flange. The construction is thus particularly adapted for manufacture with or without the cigar-cutter, as may be required, the cigar-cutter being made up with the beveled hole *c* in one of the side flanges, and the cigar-cutting arm *l* being thereafter applied to the side flange when the cigar-cutting attachment is desired.

By such construction the manufacturer can carry the nail-cutter in stock and can upon short notice apply the cigar-tip cutter to any number of them for prompt delivery.

Having thus set forth the nature of the invention, what is claimed herein is—

1. A combined tool having a trough-shaped frame provided with a cutting-aperture and a cutter-jaw, pivoted arms carrying cutters adapted to cooperate with said jaw and said aperture, and an operating-lever directly engaging said arms whereby said cutters are operated simultaneously.

2. A combined tool having a trough-shaped frame provided with a cutting-aperture and a cutter-jaw, movable arms carrying cutters adapted to cooperate with said jaw and with said aperture, and an operating-lever for actuating both of said arms simultaneously.

3. A combined tool having a frame, a cutter-jaw and a cutting-aperture in said frame, movable arms carrying cutters adapted to cooperate with said jaw and said aperture, and an operating-lever engaging both said arms for actuating them simultaneously.

4. The nail-clipper having a trough-shaped frame with cutting-seat at the forward end

and beveled aperture *c* in one of the side flanges, a spring-cutter movable to and from the seat, and a thumb-lever pivoted transversely to the flanges with means for pressing the cutter toward the seat, and adapted when desired to press a cutting-arm past the aperture *c*, whereby the nail-clipper may be furnished with a cigar-tip cutter at the pleasure of the maker.

5. The combination, with a nail-clipper having a side flange with an aperture therein for the cigar-tip and having a thumb-lever to actuate the clipper, of a cigar-cutting arm pivoted upon the flange with cutting-blade adjacent to the aperture, and a spring holding the cigar-cutting arm normally raised, and the thumb-lever pivoted transversely to the flange and extended over the cigar-cutting blade to operate the same simultaneously with the nail-cutter.

6. A nail-clipper having a trough-shaped frame with aperture in the side flange and cigar-cutting arm pivoted upon the said flange with cutting-blade adjacent to the aperture, a spring-leaf riveted to the bottom of the trough with cutter at its forward end for clipping the nails, a spring to hold the cigar-cutting blade normally raised, and a thumb-lever pivoted transversely to the flanges with cam to press upon the spring-leaf, and extended over the cigar-cutting blade to operate the same simultaneously with the clipper.

7. In a nail-clipper, the combination, with a trough-shaped frame having side flanges with a cigar-cutter applied to one of said flanges and the slot in the bottom at the rear, of the spring-leaf riveted to the bottom of the trough with nail-cutter at its forward end, a thumb-lever pivoted between the trough-flanges with cams to operate the leaf-spring and hold the lever normally raised by the same, and a latch having a foot with rivet extended through the said slot, and forwardly-projecting hook arranged and adapted to engage the tip of the thumb-lever to hold the same closed.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

GEORGE HAVELL.

Witnesses:

J. D. CLARK,
THOMAS S. CRANE.