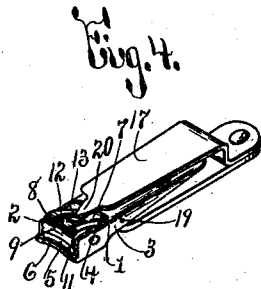
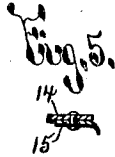
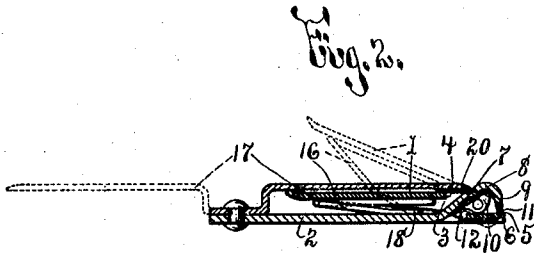
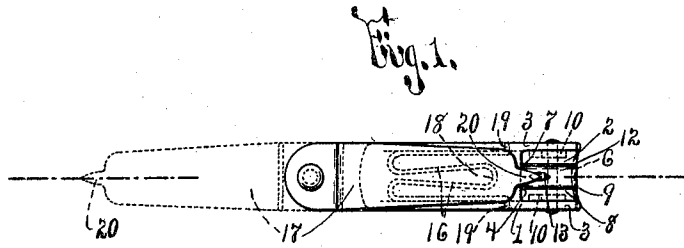


No. 794,234.

PATENTED JULY 11, 1905.

H. LA CASSE.
NAIL TRIMMER.

APPLICATION FILED APR. 6, 1903.



WITNESSES:

Chas. J. Jones.

Chas. Young.

INVENTOR

Henry La Casse

BY

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ATTORNEYS

UNITED STATES PATENT OFFICE.

HENRY LA CASSE, OF AUBURN, NEW YORK.

NAIL-TRIMMER.

SPECIFICATION forming part of Letters Patent No. 794,234, dated July 11, 1905.

Application filed April 6, 1903. Serial No. 151,275.

To all whom it may concern:

Be it known that I, HENRY LA CASSE, of Auburn, in the county of Cayuga and State of New York, have invented a certain new and useful Nail-Trimmer, of which the following is a specification.

My invention has for its object the production of a nail-trimmer which is particularly simple in construction and highly durable and effective in use; and to this end it consists in the combinations and devices hereinafter fully set forth, and pointed out in the claims.

In describing this invention reference is had to the accompanying drawings, forming part of this specification, in which like characters designate corresponding parts in all the views.

Figures 1, 2, 3, and 4 are respectively top plan, longitudinal sectional view, end view, and isometric view of a preferable embodiment of my invention, the nail-support and the locking member being shown in different positions in full and dotted lines in Figs. 1 and 2. Fig. 5 is a sectional view of a modified construction of knife for my invention.

1 and 2 are respectively the nail-support and knife of my nail-trimmer. The part 1 is generally formed with side walls 3, arranged at substantially right angles with the main portion of said part 1, and is provided at its front end with an opening 4, a convex upper face 5, of soft metal, beneath and in front of the opening 4 for engaging the under surface of the nail, and an end face 6 for engaging the finger or toe and regulating the cutting of the nail.

In the preferable construction of my nail-trimmer the rear end of the knife 2 is arranged beneath the like end of the nail-support 1 and is extended rearwardly beyond said part 1, and the front end of the knife 2 is formed of less width than the contiguous main portion thereof and is provided with upward, forward, and downward extensions 7 8 9, the forward extension 8 being arranged in the opening 4 and having depending ears 10, pivoted to the side walls 3, and the downward extension 9, terminating in a concave cutting edge 11, of hard metal, cooperating with the

face 5 for cutting the nail. The advance surface of the knife 2, terminating in the edge 11, and also the face 6 of the nail-support are extended rearwardly from their opposite ends, as shown in Fig. 1, for facilitating cutting of the nail rounding. The front end of the knife 2 is usually also formed with a lengthwise corrugation 12 for stiffening said end and with a notch 13 in the upper face of the forward extension 8. Although the knife 2 is preferably composed of a single piece of steel, it will be obvious that the same may consist of a main body 14 and a detachable blade 15, as illustrated in Fig. 5.

16 is a spring for moving the support 1 relatively to the knife 2, and 17 is a member for locking the support 1 against the action of the spring 16. As generally constructed the intermediate portion 18 of the spring 16 bears against the upper face of the intermediate part of the knife 2, and the ends of said spring are arranged between the side walls 3 and provided with lateral extensions 19, fixed to said side walls. By constructing the spring of a single piece of spring-wire to provide an intermediate portion and approximately parallel side arms the right-angular terminals or extensions 19 can be readily sprung into the openings 19' in the side walls of the member 1. This arrangement will insure the proper disposition of the spring, permitting the spring to be easily attached and detached and insuring the same against accidental displacement when in its operative position. The locking member 17 is provided with a depressed rear end to the knife 2 at the rear of the support 1. Its intermediate portion detachably engages the upper face of the support 1, and its front end is formed with a point 20, detachably arranged in the notch 13. The under face of the member 17 is usually provided with a roughened surface for filing the nails.

By reference to Fig. 4 it will be observed that the end face 6 is in the form of a projecting lip extending longitudinally from the member 1, and the surface for engaging the finger or toe is provided with stop means, conveniently illustrated as being the ends of the

side walls of the member 1. The rigid up-
standing edges of these side walls will insure a
uniform cut being made in each instance.

The construction and operation of my nail-
trimmer will now be readily understood upon
reference to the foregoing description and the
accompanying drawings, and it will be appar-
ent to those skilled in the art that more or
less change may be made therein without de-
parting from the spirit of my invention.

Having thus fully described my invention,
what I claim as new, and desire to secure by
Letters Patent, is—

1. A nail-trimmer comprising a member
having one end provided with an opening and
with a supporting-face for the nail, and a sec-
ond member consisting of a strip having one
end arranged beneath the other end of the
first member and its opposite end extended
upwardly and forwardly, and downwardly,
said opposite end being extended through said
opening of the first member, and the down-
wardly-extended portion terminating in a cut-
ting edge for coöperating with the support-
ing-face, one of said members being movable
relatively to the other, substantially as and
for the purpose specified.

2. A nail-trimmer comprising a member
having one end provided with an opening and
with a supporting-face for the nail, and a sec-
ond member consisting of a strip having one
end arranged beneath the other end of the
first member and its opposite end extended
upwardly and forwardly, and downwardly,
said opposite end having a substantially length-
wise corrugation and being extended through
said opening in the first member and the
downwardly-extended portion terminating in
a cutting edge for coöperating with the sup-
porting-face, one of said members being mov-
able relatively to the other, substantially as
and for the purpose described.

3. A nail-trimmer comprising a pair of
members provided respectively with a sup-
porting-face and a cutting edge coöperating
with each other, one of the members having
one end arranged below the like end of the
other member and its other end arranged
above the opposite end of said other member,
and one of said members being movable rela-
tively to the other, a spring having its inter-
mediate portion engaged with one of said
members and its ends formed with lateral ex-
tensions fixed to the other member, and means
for locking the relatively movable member
against the action of the spring, substantially
as and for the purpose set forth.

4. A nail-trimmer comprising a pair of
members provided respectively with a sup-
porting-face and a cutting edge coöperating
with each other, one of the members having
one end arranged below the like end of the

other member and its other end arranged
above the opposite end of said other member,
and one of said members being movable rela-
tively to the other, a spring for moving the
relatively movable member, and a third mem-
ber for locking the relatively movable mem-
ber against the action of the spring, said third
member having one end pivoted to one of the
pair of members, and its other end provided
with a point for detachably engaging with said
one of the pair of members, substantially as
and for the purpose specified.

5. A nail-trimmer comprising a member
having its front end provided with an opening
and a supporting-face for the nail, a second
member having its rear end arranged beneath
the rear end of the first member and extended
rearwardly beyond the same and having its
front end formed with upward, forward and
downward extensions and with a notch, said
front end being arranged in the opening of
the first member, and the downward exten-
sion thereof terminating in a cutting edge for
coöperating with the supporting-face, a spring
for moving one member relatively to the other,
and a third member having one end pivoted
to the second member at the rear of the first
member, its intermediate portion detachably
engaged with the first member and its other
end detachably arranged in the notch in the
second member, substantially as and for the
purpose set forth.

6. A nail-trimmer, comprising a pair of
members provided respectively with a sup-
porting-face and a cutting edge coöperating
with each other, one of the members having
one end arranged below the like end of the
other member, and its other end arranged
above the opposite end of said other member,
and one of said members being movable rela-
tively to the other, a spring for moving the
relatively movable member, and a pivoted
locking means movable in a plane approxi-
mately parallel to the plane of one of the
members for locking the relatively movable
member against the action of the spring.

7. A nail-trimmer comprising a pair of
members provided respectively with a sup-
porting-face and a cutting edge coöperating
with each other, one of the members having
one end arranged above the opposite end of the
other member, and one of said members being
movable relatively to the other, and one of the
members having a rear extension projecting
beyond the other member, a spring for mov-
ing the relatively movable member, and a
third member for locking the relatively mov-
able member against the action of the spring,
said third member having a depressed rear
portion pivoted to said rear extension and
having its front end movable laterally in a
plane approximately parallel to the plane of

one of the other members to and from a position above the member unprovided with said rear extension, substantially as set forth.

5 8. A nail-trimmer, comprising a pair of pivoted cutting members, one of which is provided with flanges, and a spring interposed between the members and having yielding means for engagement with the flanges, substantially as described.

10 9. A nail-trimmer, comprising a pair of pivoted cutting members, and a spring interposed between the said members and having an intermediate portion and approximately parallel yielding arms engaging one of the mem-
15 bers, substantially as described.

10. A nail-trimmer, comprising a pair of pivoted members and a spring interposed between the members, said spring having an intermediate portion bearing against one of the members and side arms engaging the other 20 member, substantially as described.

In testimony whereof I have hereunto signed my name, in the presence of two attesting witnesses, at Auburn, in the county of Cayuga, in the State of New York, this 31st day 25 of March, 1903.

HENRY LA CASSE.

Witnesses:

WM. E. LA CASSE,

F. G. BODELL.