

A new or improved cutter and implement for the nails / [Ernst Kaufmann].

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COMPLETE SPECIFICATION.

"A New or Improved Cutter and Implement for the Nails".

I, ERNST KAUFMANN of 30 Rheinstrasse Solingen in the Empire of Germany, Manufacturer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

- 5 The present invention relates to an improved cutter and implement for the nails and is constructed after the manner of small tweezers or nippers, but which, by reason of the shape of one leg, allows of a gentle cut being made without requiring any considerable exertion of power. The said leg is also made on its inner side as a nail file or nail cleaning implement, so that the improved imple-
- 10 ment is suitable for the complete care of the nails.

The one method of carrying this invention into effect is illustrated—by way of example—in the accompanying drawings in which

Figure 1 is a view in side elevation of the implement in the closed condition.

Figure 2 is a view in end elevation thereof,

- 15 Figures 3 and 5 are similar views showing the cutter in two different open positions and

Figures 4 and 6 are views in side elevation looking towards the right and left hand side respectively of Figure 5 and

- Figures 7 and 8 are views in plan of the cutting jaws in the closed and opened
- 20 positions respectively

Throughout the views similar parts are marked with like letters of reference.

- In the construction shown, the nail cutter is provided with inclined curved cutting faces *x* and *y*, but this particular construction is not a distinguishing feature of the invention, because they may also be formed as straight cutting
- 25 faces.

- The small jaws which carry the cutting faces *x* and *y* are extended in the form of levers or arms and are connected together by means of a hinge *s*. The leg of the jaw *y* is shorter than the opposite leg and has pivotted to it in a slot *a* (Figure 1) the lever *h*. This lever has its upper part pivoted on the pin *t*
- 30 formed with a wedge-shaped nose, whilst its lower part is formed internally and externally as a file, and its free end as a nail scraper or cleaner. The free end of the leg belonging to the jaw *y*, is acted on by a forked spring *f* which is fixed to the leg of the jaw *x* by means of small screws *m* and *n*, the said spring being so arranged as to have a tendency to continually move the jaws away from
- 35 each other.

- The pivotted lever *h* in moving from the open position (Figure 3) into the closed position (Figure 2) will cause the lower ends of the legs belonging to *x* and *y* to be moved away from each other by reason of the higher back of the nose of the lever *h* coming in between them, so that the jaws are thereby moved
- 40 towards each other and the spring *f* is placed under further strain. When the nail cutter is in the closed state it is secured by means of a loop or catch *v*

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Kaufmann's New or Improved Cutter and Implement for the Nails.

which is movably connected at p to the leg of the jaw x and which is slipped over a groove in the lower end of the lever h .

Thus, to use the nail cutter, the catch v is opened out of the position shown in Figure 2 in a downward direction whereupon the jaws of the cutter open (Figure 3) and the lever h assumes the cocked-up position. If now the nail be placed between the cutting faces, and the leg h be moved towards the opposite leg, the eccentrically disposed nose of the lever h will produce a considerable leverage and increase of power so that the nail will be cut off gently. But if the lever h be moved still further up out of the position shown in Figure 3, so that its extreme edge nearest to the jaw be now situated undermost, then the cutter will be again in its open position, but so as to cause the spring f to lock, as it were the lever h in that position (Figure 5).

The lever h is thus locked in position to serve as a file, and it may then be used as such, as also with its free end that is now situated uppermost, as a nail cleaning or scraping device.

The forked shape of the spring f is necessary in order to allow of suitably mounting the lever h . This improved implement for the nails, notwithstanding its extremely effective action, is of such small dimensions that it can be easily carried in the waistcoat pocket or the like.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

(1) A nipper-shaped nail cutter having the legs of the cutting jaws of different lengths, the shorter leg having jointed to it a part constructed in the form of a two-armed lever, which serves by means of an eccentrically disposed part thereon to move the two legs of the cutting jaws to and from each other.

(2) A nail cutter as specified in Claim 1 having the shorter leg under the influence of a spring which is so shaped and disposed as to have a tendency to constantly move the cutting jaws away from each other.

(3) In the nail cutter as specified in Claims 1 and 2 forming the lever carried by the shorter leg of the jaws as a file, cleaner or scraper for the nails.

(4) In the nail cutter and implement as specified in Claims 1, 2 and 3, providing a catch or strap which serves to keep the two legs of the cutter together or the cutting jaws in a closed position.

(5) The improved nail cutter constructed and arranged substantially as described.

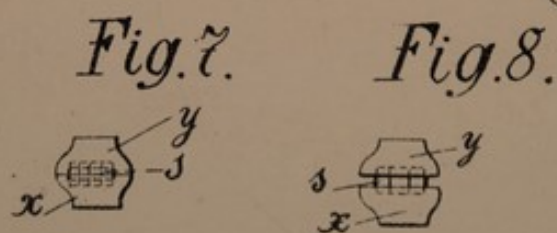
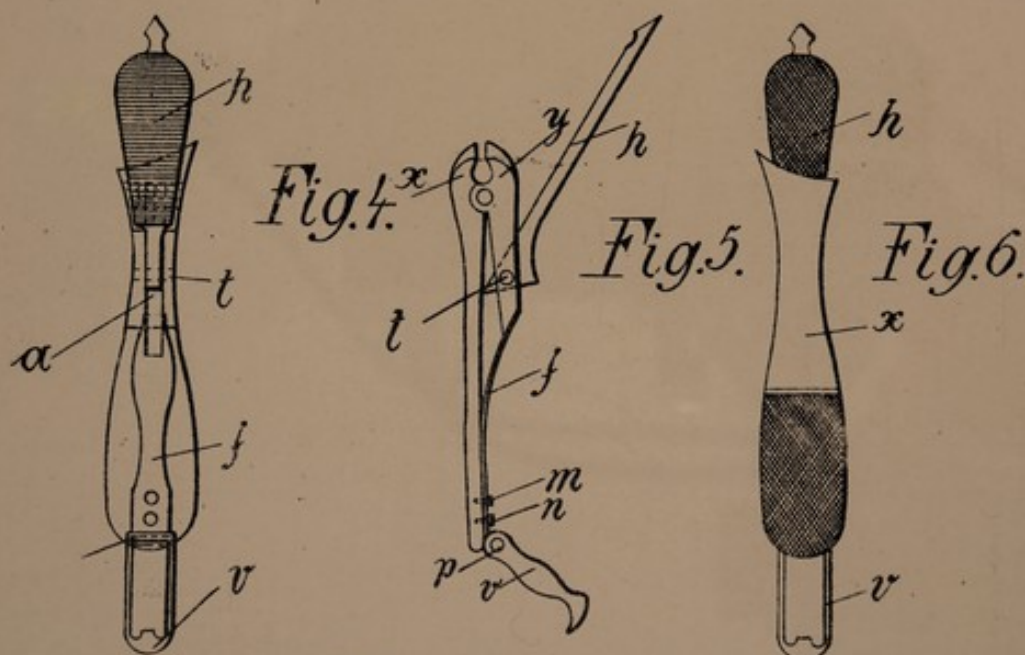
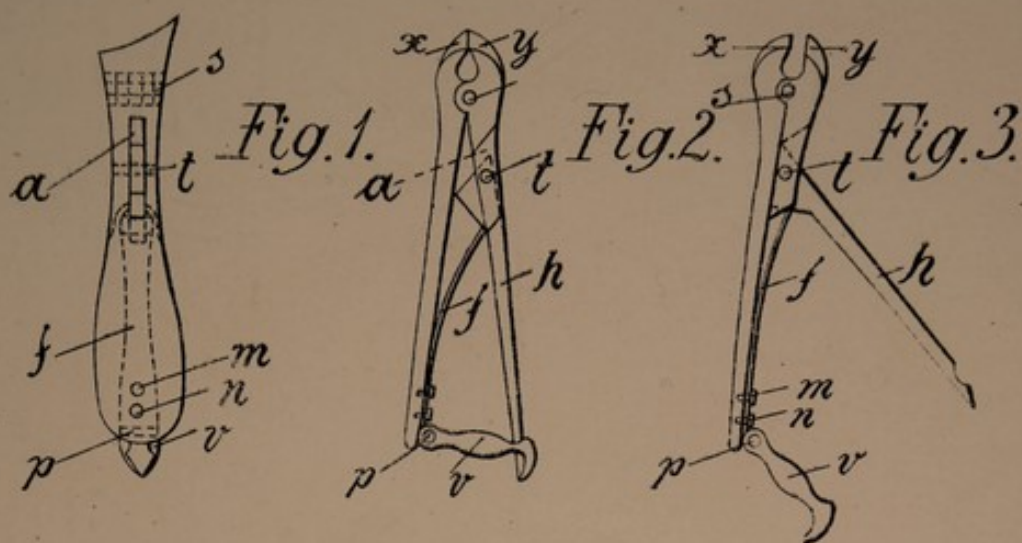
(6) The improved nail implement constructed and arranged substantially as hereinbefore described and shown.

Dated this 14th day of October 1902.

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[This Drawing is a reproduction of the Original on a reduced scale]

