

W. & A. W. HUCK.
LASTING PINCERS.
APPLICATION FILED NOV. 23, 1911.

1,047,229.

Patented Dec. 17, 1912.

Fig. I.

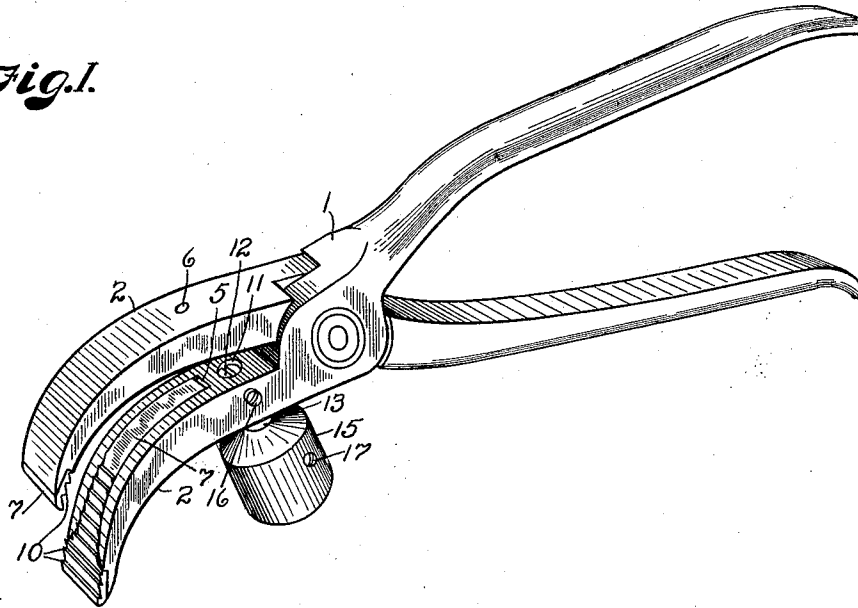


Fig. II.

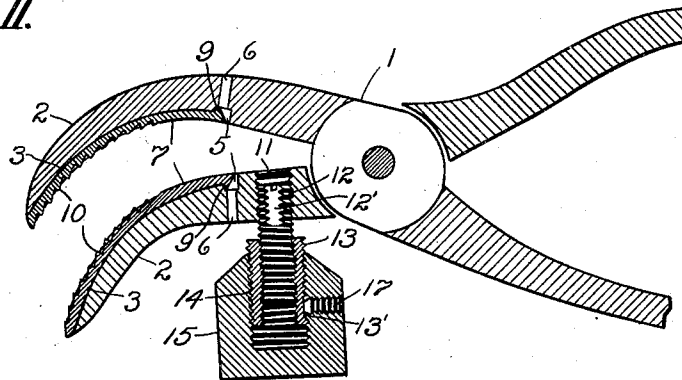


Fig. III.

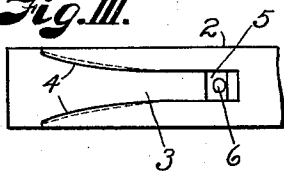
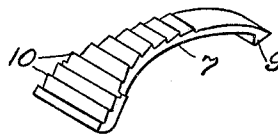


Fig. IV.



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UNITED STATES PATENT OFFICE.

WALDO HUCK, OF ST. LOUIS, AND ALFRED W. HUCK, OF KANSAS CITY, MISSOURI.

LASTING-PINCERS.

1,047,229.

Specification of Letters Patent.

Patented Dec. 17, 1912.

Application filed November 23, 1911. Serial No. 662,037.

To all whom it may concern:

Be it known that we, WALDO HUCK, a citizen of the United States, residing in St. Louis and State of Missouri, and ALFRED W. HUCK, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented certain new and useful Improvements in Lasting-Pincers; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

Our invention relates to lasting pincers and has for its principal object to provide a pincer having removable jaw plates, in order that said plates may be replaced when worn and thereby renew the life of the pincer.

It is a further object of the invention to provide an improved hammer mounting whereby the hammer may be adjusted to vary its fulcruming distance from the pincer jaws.

In accomplishing these objects, we have provided the improved details of structure hereinafter described and illustrated in the accompanying drawings, wherein:—

Figure I is a perspective view of a lasting pincer constructed according to our invention. Fig. II is a longitudinal section of the pincer jaws and hammer. Fig. III is a detail view of the face of one of the jaws showing the plate socket. Fig. IV is a perspective view of one of the removable jaw plates.

Referring more in detail to the parts:—1 designates a pincer of a construction usually used by shoe lasters, and having the usual body or frame, except as to the parts hereinafter mentioned. In the engaging face of each of the jaws 2 is a socket 3 which is fan shaped and opens outwardly until at a point adjacent to the end of the jaw it cuts through the sides as illustrated in Figs. I and III; the material at the sides of the socket being undercut to form over hanging shelves or keepers 4. At the inner end of each socket 3 is a recess 5 which projects a short distance into the body of the jaw, and extending through said jaw from the base of the recess is an aperture 6. Fitting with-

in the socket 3 is a jaw plate 7 having an end lip 9 adapted for projection into the recess 5; the end of the lip having a beveled face 9 which over-lies the aperture 6. The plates 7 are preferably of spring steel and have teeth 10 on their meeting faces, near the outer ends, for the usual purpose. In the under jaw 2, back of the plate socket is an aperture 11, into which a pin 12 is threaded; the outer end of said pin being threaded into a screw 13 which is carried in a threaded socket 14 in a hammer 15. Both of the pins 12 and 13 have flat longitudinal sections 12'-13' adapted for engagement by the ends of the screws 16-17 which are carried by the lower jaw plates and the hammer respectively, so that the screw may be adjusted in the hammer and secured in such adjusted position by the set screw 17, and the threaded pin 12 may be adjusted in the lower jaw and fixed in such adjusted position by the screw 16.

In using our improved pincer, the jaw plates 7 are fitted into the sockets 3 and the teeth 8 sprung into the recesses 5, where they are held against longitudinal displacement by the engagement of the tooth with the end of the recess, and are also held by the overhanging shelves 4. When the jaw plates are in place the pincers are used in the usual manner, until the teeth on the plates become dulled, when the plates are removed by projecting a pin or wire through the apertures 6 into the recesses 5, so that the end of the pin or wire engages the beveled rear end of the teeth 8 and forces the plates outwardly from the recesses and outwardly relative to the jaws, thereby removing the plate from its socket. New plates may then be supplied to renew the life of the pincer.

In using the hammer as a fulcrum on different styles of work, it is desired to vary the distance of the fulcrum from the lower face of the jaw. To accomplish this purpose, we provide the screw connection between the hammer head and the jaw and provide for locating the hammer in an adjusted position by means of the screws 16 or 17 or both.

A pincer of our improved construction can be used indefinitely by replacing the plates when the latter have been worn, thereby saving a great deal of expense to lasters, who are usually required to purchase a number of entire pincers in the course of a year, owing to the fact that the entire pincer be-

comes valueless when the jaw teeth become dulled.

Having thus described our invention, what we claim as new therein and desire to secure by Letters-Patent is:—

1. A pincer comprising a jaw having a socket in its face and having a recess opening from the base of the socket at the inner end thereof, said jaw having an aperture extending therethrough and communicating with the recess, and a plate having a tooth projected into said recess, the portion of said tooth overlying the aperture being beveled, for the purpose set forth.
2. In a lasting pincer, a jaw having a socket therein and having a recess extending into the jaw body at the inner end of the socket, said jaw having an aperture opening from the base of the recess and ex-

tending through said body, and a removable plate located within the socket and having a tooth projected into said recess, said tooth having a beveled rear face overlying said aperture, for the purpose set forth.

In testimony whereof, I affix my signature in presence of two witnesses, this 30' day of October, 1911.

WALDO HUCK.

In presence of—

C. H. SORDELET,

JOSEPH K. YOUNG.

In testimony whereof, I affix my signature in presence of two witnesses, this 21 day of November, 1911.

ALFRED W. HUCK.

In presence of—

MYRTLE M. JACKSON,

W. E. ARTHUR BUDD.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."