

No. 799,387.

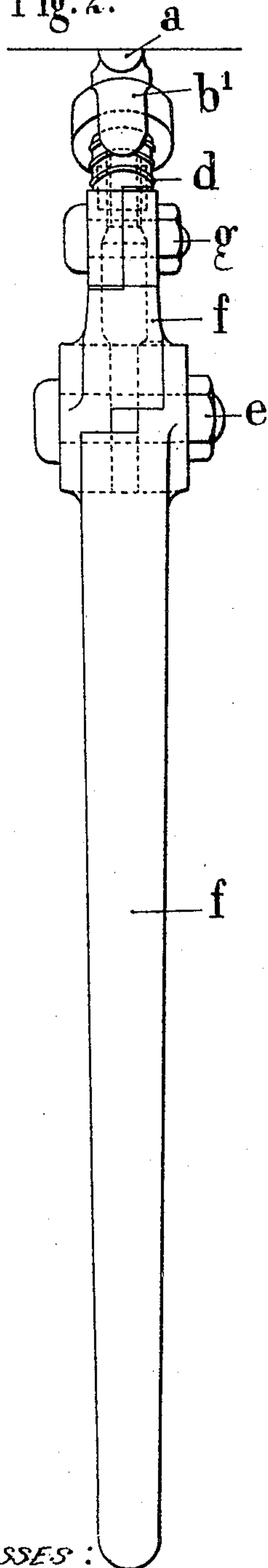
PATENTED SEPT. 12, 1905.

L. JOLISSAINT.

NAIL CLAW.

APPLICATION FILED NOV. 11, 1904.

Fig. 2.

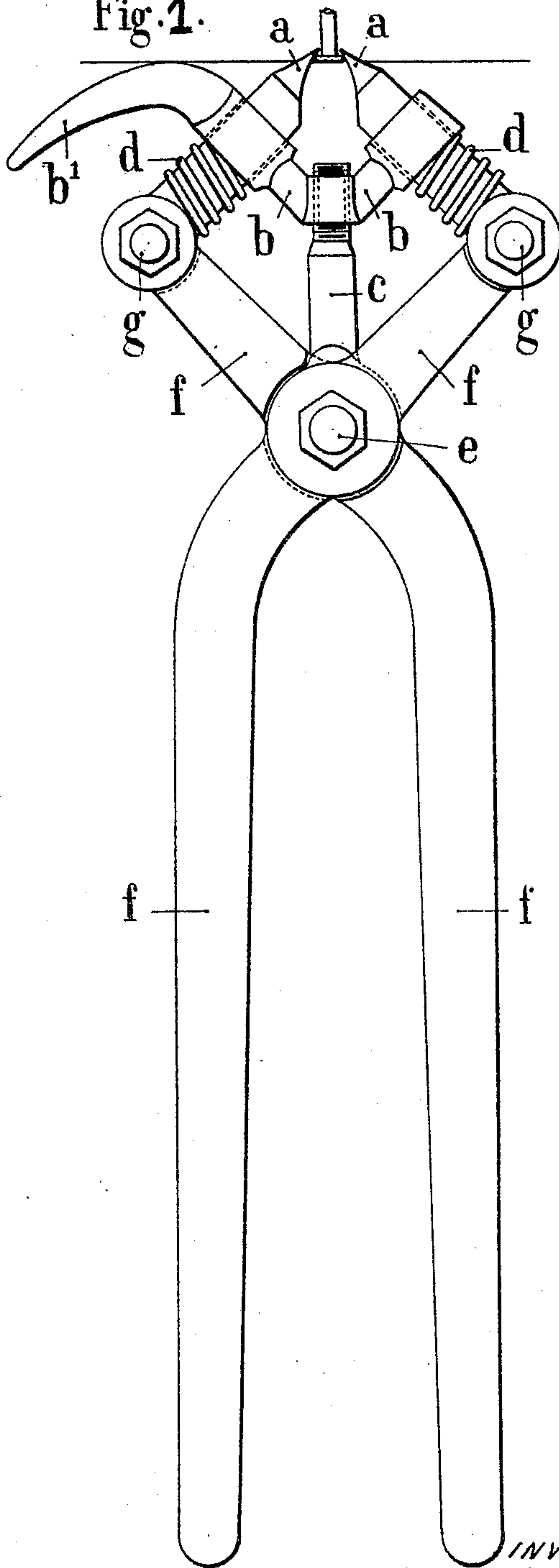


WITNESSES:

*W. M. Avery*

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Fig. 1.



INVENTOR

*Louis Jolissaint*

BY

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ATTORNEYS

# UNITED STATES PATENT OFFICE.

LOUIS JOLISSAINT, OF TERRE-BLANCHE-HÉRIMONCOURT, FRANCE.

## NAIL-CLAW.

No. 799,387.

Specification of Letters Patent.

Patented Sept. 12, 1905.

Application filed November 11, 1904. Serial No. 232,284.

*To all whom it may concern:*

Be it known that I, LOUIS JOLISSAINT, manufacturer of tin wares, residing at Terre-Blanche-Hérimoncourt, Doubs, Republic of France, have invented an Improved Nail-Claw, of which the following is a full, clear, and exact description.

This invention relates to tongs intended to be used for the quick withdrawal of nails or tacks.

This invention will be hereinafter described with reference to the accompanying drawings, in which—

Figure 1 represents this improved tool when the same is presented to the tack which is to be withdrawn. Fig. 2 is a side view of same.

In the figures the same letters of reference denote the same parts.

As shown in the drawings, this tool comprises two nippers *a*, maintained in a converging direction by guides *b*, which serve at the same time to regulate the distance between these nippers. To this purpose the said guides are screwed on the threaded stem *c* and rest on helical springs *d*. The stem *c* is mounted on the pivot *e* of the arms *f* of the tongs, while the nippers *a* are hinged on pins *g*, mounted at the ends of the arms *f*.

To make use of this tool, the two nippers of same are presented to the head of the nail and a slight pressure is exerted upon the wood, while the arms are brought nearer to each other, so as to cause the nippers to pass under the head of the nail. Then the tool is tilted in order that it will find a fulcrum on the wood by means of its heel portion *b'*, and in this way the tack or nail can be very easily removed. The spacing of the arms *a* can be previously regulated by means of guides *b*, according to the diameter of the head of the nails which are to be removed. Should the nails have no head, the pressing of the nippers against the bodies of the nails would be sufficient to allow of withdrawing these nails.

The forms, details, accessories, materials, and sizes of this improved tool can of course

vary without departing in any way from the principle of this invention. Thus, for instance, the heel portion *b'* can be omitted.

I claim—

1. In a device of the class described, in combination, a pair of arms, a transverse pivot-pin connecting said arms, nippers pivotally attached to said arms and converging at their extremities, and means for guiding said nippers.

2. In a device of the class described, in combination, a pair of pivoted arms, nippers carried by said arms and having adjacently-disposed extremities, guides for said nippers, and a heel carried by one of said guides and constituting a fulcrum.

3. In a device of the class described, in combination, a pair of pivoted arms, a pair of nippers pivoted to said arms and converging, guides for said nippers, and a stem attached to said guides and pivoted at the pivot-point of said arms.

4. In a device of the class described, in combination, a pair of arms pivoted together, a pair of nippers pivotally attached to said arms, a stem pivotally attached to said arms at the point of connection therebetween, a guide attached to said stem and receiving said nippers, and springs disposed about said nippers and thrusting against said arms and said guide.

5. In a device of the class described, in combination, a pair of arms pivoted together, nippers pivotally attached to said arms and converging, guides receiving said nippers, a stem connected to said guides and attached to said arms at the pivotal connection therebetween, means for actuating said arms in one direction, and a heel carried by one of said guides and constituting a fulcrum for said device.

The foregoing specification of my improved nail-claw signed by me this 25th day of October, 1904.

LOUIS JOLISSAINT.

Witnesses:

MATHIEU AMBROISE GUIRAIVIS,  
MAURICE M. PIGNET.