

No. 611,103.

Patented Sept. 20, 1898.

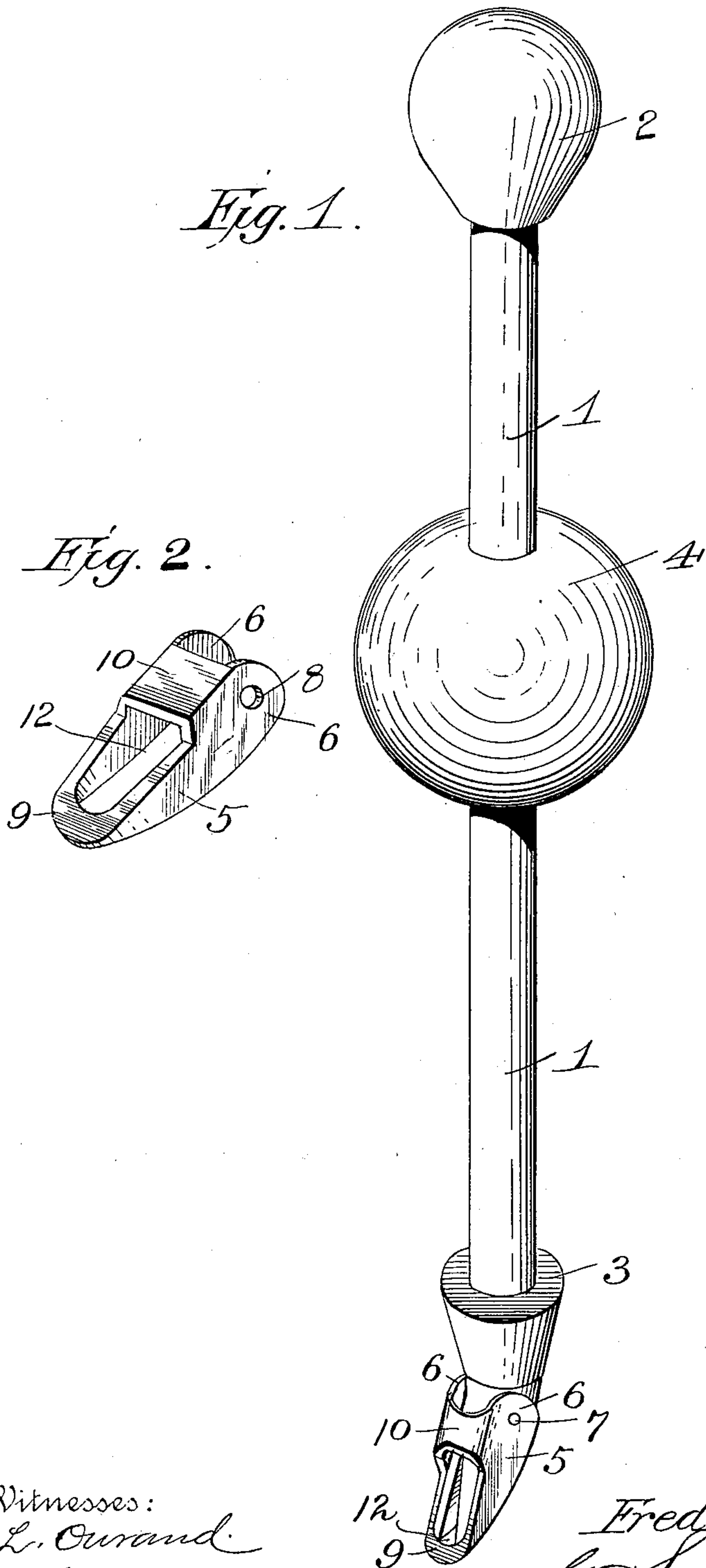
F. F. CHANCEY.
NAIL PULLER.

(Application filed Nov. 8, 1897.)

(No Model.)

Fig. 1.

Fig. 2.



Witnesses:
H. L. Ourand
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UNITED STATES PATENT OFFICE.

FREDERICK F. CHANCEY, OF MILFORD, NEW HAMPSHIRE, ASSIGNOR OF
ONE-HALF TO FRED B. BARTLETT, OF SAME PLACE.

NAIL-PULLER.

SPECIFICATION forming part of Letters Patent No. 611,103, dated September 20, 1898.

Application filed November 8, 1897. Serial No. 657,802. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK F. CHANCEY, a citizen of the United States, and a resident of Milford, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Nail-Pullers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention relates to nail-extractors; and its object is to provide an improved construction of the same whereby the head of the nail is prevented from being disengaged from the bifurcated claw while being extracted.

The invention consists, essentially, in a shank having a knob at the upper end, a bifurcated claw at the lower end, a drop-stop near said claw, a sliding weight, and a pivoted jaw having an opening therein, as hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a nail-extractor constructed in accordance with my invention. Fig. 2 is a similar view of the pivoted jaw detached.

In the said drawings the reference-numeral 1 designates the shank of the device, consisting of a cylindrical rod or bar having a knob 2 at the upper end and the lower end formed with a curved bifurcated claw, as usual. In rear of this claw said shank is formed with a drop-stop 3. Mounted on the shaft is a sliding weight 4, through an aperture in the center of which the shank passes.

The numeral 5 designates a curved jaw formed with lugs 6, which embrace the shank and which are pivotally connected therewith by means of studs 7, passing through apertures 8 therein and attached to the shank.

This jaw is formed with a lip 9 at the free end and a cross-piece 10, with an opening 12 between said cross-piece and lip. The said jaw forms a pivoted loop, and the cross-piece 10 strengthens the same and also serves as a stop to prevent the jaw or loop from falling down below and back of the claw. By this means said jaw or loop is always held in position for use and does not have to be moved into place or adjusted by hand.

In using the device the pivoted jaw is thrown back and the claws engaged with the head of a nail. The weight is then slid up and down on the shank, striking the stop 3 and forcing the claws under the nail-head and starting the latter. The pivoted jaw is then turned down over the head of the nail, and by using the shank as a lever the nail can be readily extracted.

Having thus fully described my invention, what I claim is—

In a nail puller or extractor, the combination with the shank, the knob, the sliding weight, the stop at the lower end of said shank formed with the curved bifurcated claw, and the studs at opposite sides thereof, of the jaw or loop comprising the sides pivotally connected with said studs, the integral lip at the front ends of said sides and the cross-piece formed integral with said jaw or loop intermediate the inner and outer ends thereof and serving as a stop adapted to engage with the claw and prevent its dropping below and behind the same, substantially as described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

FREDERICK F. CHANCEY.

Witnesses:

A. L. KEYES,
SIDNEY S. BAKER.