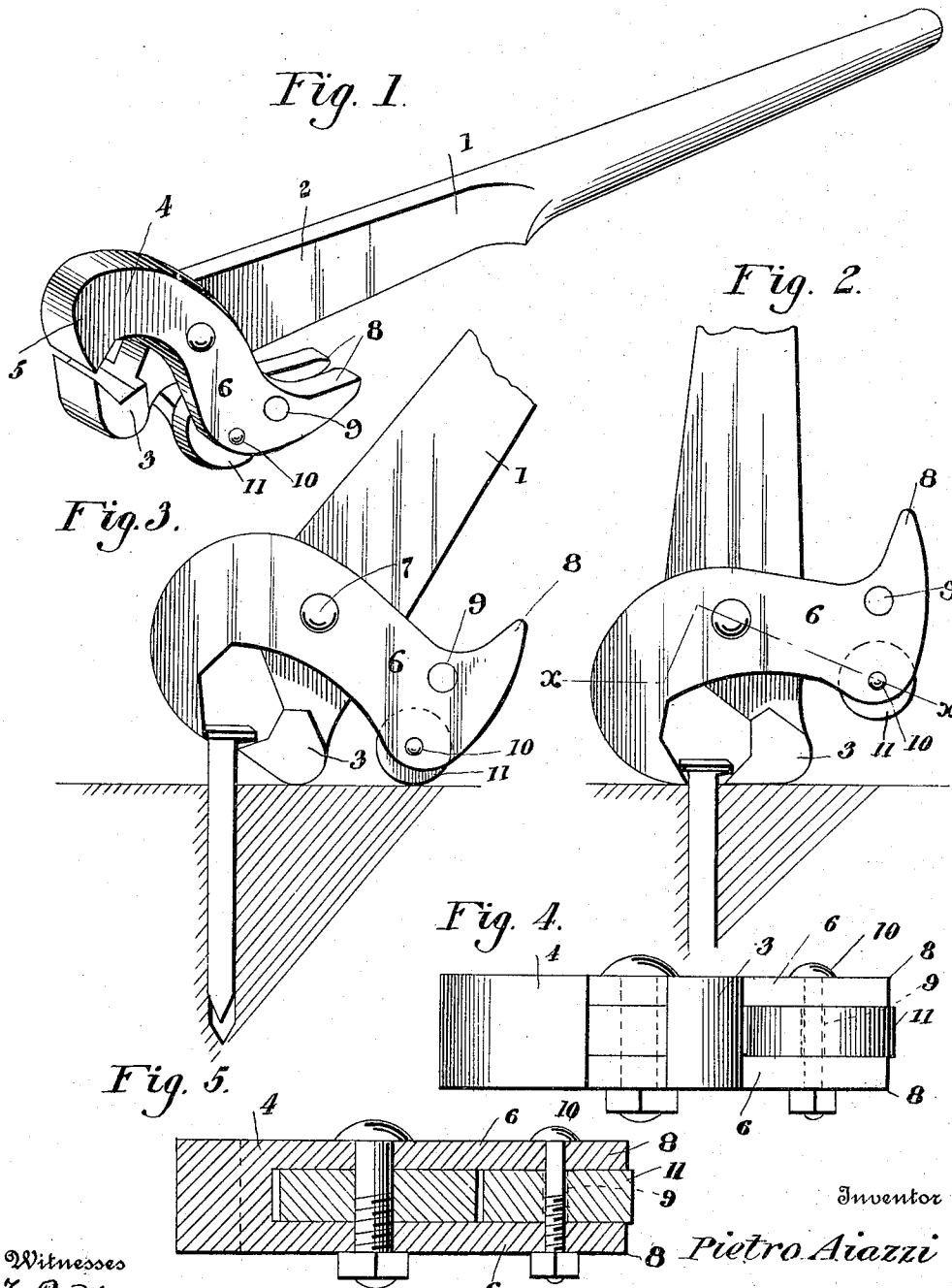


P. AIAZZI.
SPIKE EXTRACTOR.
APPLICATION FILED OCT. 8, 1913.

1,156,870.

Patented Oct. 19, 1915.



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PIETRO AIAZZI, OF WINNEMUCCA, NEVADA.

SPIKE-EXTRACTOR.

1,156,870.

Specification of Letters Patent.

Patented Oct. 19, 1915.

Application filed October 8, 1913. Serial No. 794,094.

To all whom it may concern:

Be it known that I, PIETRO AIAZZI, citizen of Italy, residing at Winnemucca, in the county of Humboldt and State of Nevada, have invented new and useful Improvements in Spike-Extractors, of which the following is a specification.

The present invention relates to improvements in spike extractors, and consists in certain novel features of construction and combination of parts set forth in the following specification and falling within the scope of the appended claim.

One of the primary objects of the invention is the construction of a tool for extracting railroad spikes which shall embody both a claw and co-acting jaws, both of which having a fulcrum member in the nature of a roller which is pivoted between the members of the claw and whereby the spikes may be extracted rapidly and easily without injury to the spikes.

In the accompanying drawing there has been illustrated a simple and preferred embodiment of the invention and in said drawing: Figure 1 is a perspective view of the improved spike extractor, Fig. 2 is a view illustrating the spike engaged by the claws, Fig. 3 is a similar view illustrating the spike being withdrawn by the jaws, Fig. 4 is a detail end elevation of the tool looking toward the jaws thereof, and Fig. 5 is a detail sectional view on the line *x-x* of Fig. 2.

Referring now to the drawings in detail, the numeral 1 designates a lever, of any suitable length, but which preferably has its lower portion flat and enlarged, as at 2, one of the edges of the lower portion being rounded toward the second portion, and the rounded edge terminating in an enlarged head 3, the said head having both its outer and inner faces rounded and projecting beyond the opposite flat sides 2 of the lever.

The numeral 4 designates the combined jaw and claw member of the device. The member 4 is provided with a head 5 which forms the jaw proper and which is adapted to co-act with the head or jaw 3 of the lever 1. The head has both of its faces rounded,

and is of a thickness corresponding to the thickness of the jaw 3, the said member beyond its head being bifurcated to permit of its side members 6 being arranged upon the opposite sides or faces of the flat portion 2 and the member 4 being pivotally secured adjacent the outer edge of the rounded end of the lever, as at 7. The side members 6 have their ends arranged at an opposite curvature to that of the head or jaw proper, and the edges of said curved ends of the sides terminate in sharpened points to provide the claws 8 of the device. Arranged between the claws 8, near the body of the member 4 is a combined spacing and stop member 9, the said member being in the nature of a transversely arranged pin which properly retains the claws in spaced relation and also contacts with one of the edges of the lever to limit the inner swinging movement of the jaw 5 toward the head or jaw 3. Pivotaly connected, as at 10, between the rounded corners of the claws at their juncture with the sides proper, and projecting a suitable distance beyond said corners is a wheel 11 which serves as a fulcrum for both the claws and the jaws, as clearly illustrated in the figures of the drawing.

From the above description, taken in connection with the accompanying drawing, the simplicity of the device as well as the advantages thereof will, it is thought, be perfectly apparent to those skilled in the art to which such inventions appertain without further detailed description.

Having thus described the invention, what I claim is:

A spike extractor comprising a lever, a jaw provided on the end of said lever, said jaw having a flat lower surface and a rounded outer face, the inner face of said jaw being inclined at an angle to the base and adapted to abut against the under side of the head of the spike when the spike is partly extracted, a second jaw pivotally connected to the lever, said jaw comprising a bifurcated member fitting over the flat portion of the lever and pivoted thereto, and a jaw member disposed opposite the integral

jaw, said jaw member having an angularly disposed inner face, the bifurcated portion of the jaw being curved downwardly, a roller journaled in the lower part of the curved portion thereof and adapted to ride on the surface from which the spike is being extracted.

In testimony whereof I affix my signature in presence of two witnesses.

PIETRO AIAZZI.

Witnesses:

NICK LITTLE,
THOS. J. D. SALTER.

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