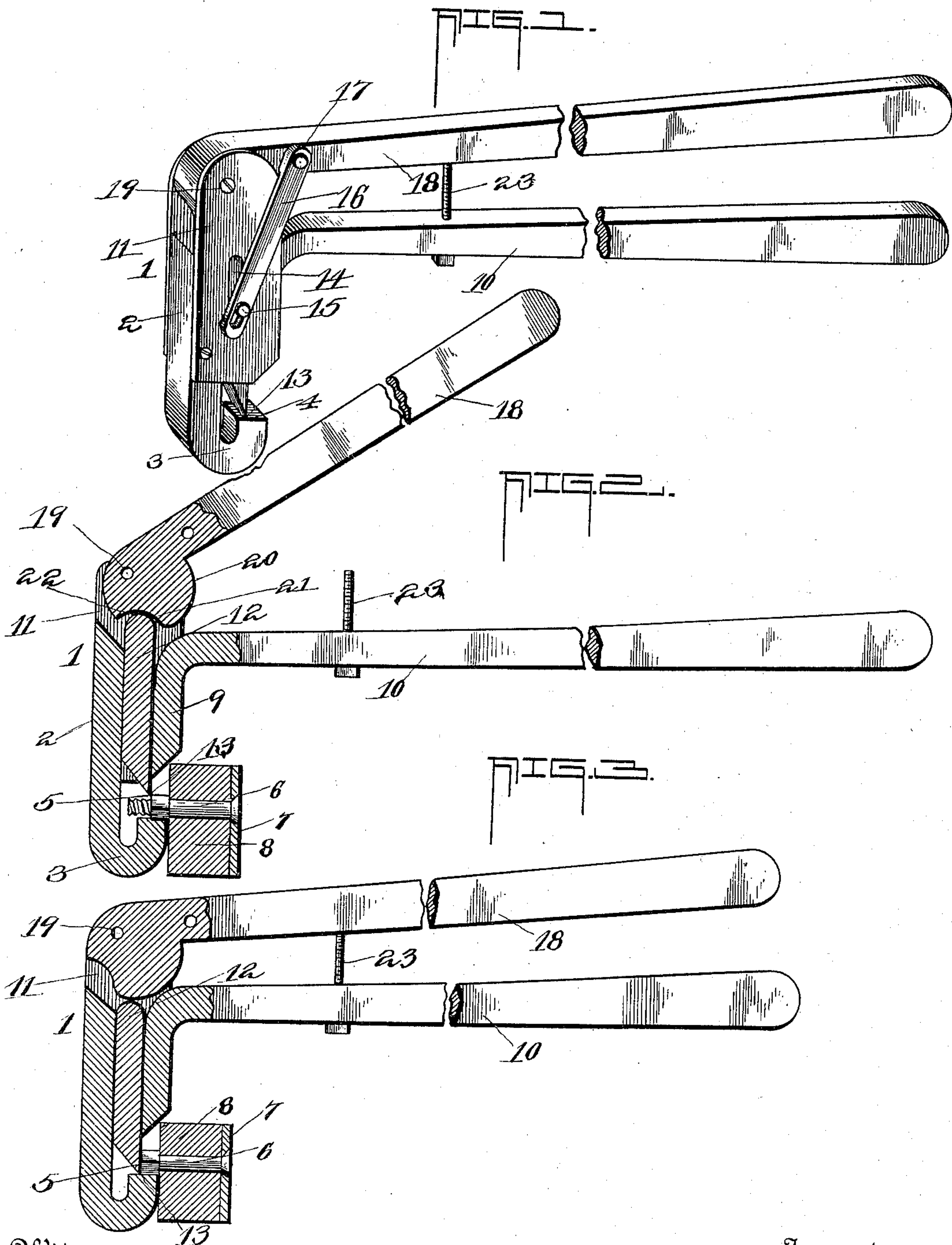


(No Model.)

J. L. GREEN.
TIRE BOLT CLIPPER.

No. 598,778.

Patented Feb. 8, 1898.



Witnesses
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UNITED STATES PATENT OFFICE.

JOSEPH LEWIS GREEN, OF PULASKI, TENNESSEE.

TIRE-BOLT CLIPPER.

SPECIFICATION forming part of Letters Patent No. 598,778, dated February 8, 1898.

Application filed August 18, 1897. Serial No. 648,639. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH LEWIS GREEN, residing at Pulaski, in the county of Giles and State of Tennessee, have invented certain new and useful Improvements in Tire-Bolt Clippers; and I do hereby 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.

This invention relates to tire-bolt clippers, the object in view being to provide a simple device of the character referred to especially designed for clipping off the ends of tire-bolts after the nuts have been secured in place therein.

The detailed objects and advantages of the invention will be pointed out in the course of the ensuing description.

The invention consists in certain novel features and details of construction and arrangement of parts, as hereinafter fully described, illustrated in the drawings, and incorporated in the claims.

In the accompanying drawings, Figure 1 is a perspective view of the improved tire-bolt clipper. Fig. 2 is a sectional view thereof, showing the same in position to remove the end of a tire-bolt; and Fig. 3 is a similar view showing the position of the parts after the bolt has been clipped.

Similar numerals of reference designate corresponding parts in all the views.

The tire-bolt clipper contemplated in this application comprises a suitable casing 1, the outer wall of which is formed by means of a bar 2, having one end bent to form a hook 3, terminating in an abrupt shoulder 4, adapted to bear against one side of a nut 5 upon the bolt 6, which secures the tire 7 to a wheel-felly 8. The opposite side of the casing 1 is composed of a bar 9, which is bent at a right angle and extending sufficiently to form a stationary handle 10 of the clipper. Oppositely-arranged plates 11 are secured to the bars 2 and 9 in such manner as to inclose a sliding cutter or bit 12, which operates between the bars 2 and 9 and plates 11, the said bit having its lower end chamfered or beveled to form an acute cutting edge 13. One of the plates 11 is provided with a slot 14, through

which works a pin 15, extending laterally from the cutter 12. Connected to the pin 15 is a link 16, which extends upward and connects pivotally at 17 to a pivoted lever or handle 18, mounted at the upper end of the casing 1 and fulcrumed at the point 19. The lever 18 is provided with a cam-shaped head 20, which operates against the round heel end 21 of the sliding cutter 12. The head 20 is also provided with a notch or recess 22 to facilitate the rapid withdrawal of the sliding cutter when the same is thrown backward by the link 16.

23 designates a gage-screw passing through one of the handles or levers, said screw acting as a stop for limiting the movement of the levers toward each other, thus preventing the edge of the bit from striking against and being injured by the shoulder 4.

From the foregoing description the operation of the device will be understood.

By referring to Figs. 2 and 3 it will be seen that the abrupt shoulder 4 is brought to bear against one side of the nut 5, so that the edge of the cutter will bear against the end of the bolt 6 immediately adjacent to the outer surface of the nut. By now moving the lever 18 toward the handle 10 the cutter is moved longitudinally toward the shoulder 4 until the end of the bolt is severed, and this is done without the cutter or bit coming into contact with the shoulder 4.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a clipper of the class described, the combination with a handle having a hollow head or casing and provided with a hook-shaped piece formed with an abrupt shoulder, of a sliding cutter mounted in said casing and movable toward said shoulder, a cam-lever mounted to actuate said cutter for severing the bolt, and a link interposed between said cam-lever and cutter and having an elongated slot in which the pin of said cutter works, substantially as described.

2. In a tire-bolt clipper, a handle having a hollow head or casing, and a hook connected to said head and having an abrupt shoulder designed to engage the nut of a tire-bolt, of a sliding cutter operated in said head or casing

and movable toward said shoulder, a cam-lever engaged to actuate said cutter, a link interposed between said lever and cutter, having an elongated slot receiving a laterally-extending pin on said cutter and a gage-screw for limiting the movement of said lever and preventing the cutter from coming in contact with said shoulder, substantially as described.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

JOSEPH LEWIS GREEN.

Witnesses:

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C. B. BARNES.