No. 832,804. PATENTED OCT. 9, 1906.

G. W. ONEAL & J. B. PEARSON.

TOOL.

APPLICATION FILED MAY 22, 1906.

Fig. 2.

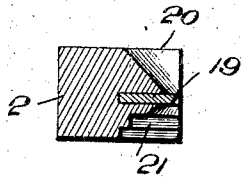


Fig. 3.

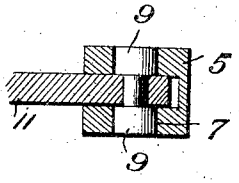
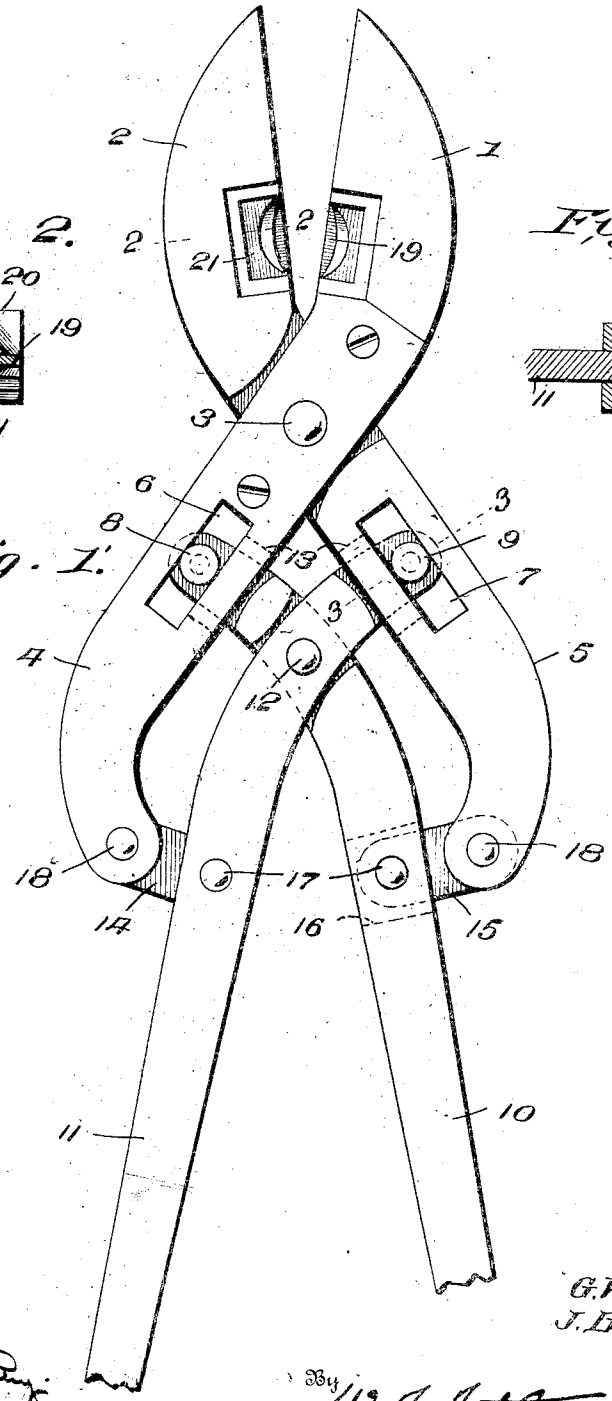


Fig. 1.



Witnesses

Inventors
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UNITED STATES PATENT OFFICE.

GUS W. ONEAL AND JOSEPH B. PEARSON, OF PLUMERVILLE, ARKANSAS, ASSIGNORS OF ONE-THIRD TO ANDREW S. NISLER, OF PLUMERVILLE, ARKANSAS.

TOOL.

No. 832,804. Specification of Letters Patent. Patented Oct. 9, 1906.

Application filed May 22, 1906. Serial No. 318,241.

To all whom it may concern:

Be it known that we, GUS W. ONEAL and JOSEPH B. PEARSON, citizens of the United States, residing at Plumerville, in the county of Conway and State of Arkansas, have invented certain new and useful Improvements in Tools; and we 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.

Our invention relates to new and useful improvements in tools; and our object is to provide a tool which is adapted to engage and hold bolts while the nut is being applied thereto.

A further object is to provide means for severing the bolt after the nut has been turned home thereon.

Other objects and advantages will be hereinafter made clearly apparent in the specification and pointed out in the drawings.

In the accompanying drawings, which are made a part of this application, we have shown the preferred form of our invention.

In said drawings, Figure 1 is an elevation of our improved tool, showing the ends of the handles broken away. Fig. 2 is a detail sectional view as seen from line 2 2, Fig. 1; and Fig. 3 is a similar view as seen from line 3 3, Fig. 1.

Referring to the figures by numerals of reference, 1 and 2 indicate the jaws of our improved tool, which are pivotally secured together by means of a pivot-pin 3, said jaws developing into shanks 4 and 5, respectively, below the pivot-pin 3, each of said shanks being provided with a longitudinal slot 6 and 7, respectively, said slots being designed to receive roller-bearings 8 and 9, respectively, which are secured to the extreme upper ends of the operating-handles 10 and 11, said handles or levers being crossed near their upper ends and pivotally secured together by means of a pin 12, the upper ends of said levers 10 and 11 being reduced in size and inserted through slots 13, said slots intersecting the longitudinally-disposed slots 6 and 7. The extreme lower ends of the shanks 4 and 5 are pivotally connected to the operating-levers 10 and 11 by means of links 14 and 15, respectively, one end of said links being entered in ways 16 in the levers 10 and 11 and pivotally secured therein by means of pins 17, while the opposite ends of said links are inserted in the bifurcated ends of the shanks 4 and 5 and are secured therein by means of pivot-pins 18. Each of the jaws 1 and 2 is provided with an insert-plate 19, said plates having their meeting edges beveled to form a cutting-surface, so that when a bolt is inserted between the jaws and the levers 10 and 11 brought together said bolt will be severed. The jaws 1 and 2 are tapered outwardly at one side of the insert-plates, as at 20, to engage a round-headed bolt and hold the same from rotation while a nut is being secured to the opposite end thereof, and the opposite faces of said jaws are cut away to form seats 21 to receive and hold square-headed bolts while a nut is being directed onto or off said bolt. That portion of the jaws 1 and 2 above the insert-plates is arranged to receive an object therebetween and grip the same when the levers 10 and 11 are directed toward each other.

By providing the levers 10 and 11 and disposing them into engagment with the shanks 4 and 5 it will be seen that additional leverage will be added to the tool and that it will require less pressure to sever a bolt or grip the same to prevent turning hereof than with a tool of the usual form having rigid handles connected directly to the jaws.

What we claim is—

1. A tool of the class described comprising jaws pivoted together, means carried by said jaws to receive and hold different-shaped bolt-heads, insert-plates having cutting edges thereon secured to said jaws, shanks integral with said jaws, said shanks having slots therein, levers pivotally secured together near their upper ends, roller-bearings in said slots and secured to said levers, and links pivotally secured to the lower ends of said shanks and the levers whereby additional leverage will be obtained.

2. A tool of the class described comprising

jaws, insert-plates in said jaws, said jaws having seats therein and at each side of the insert-plates adapted to engage bolt-heads, shanks integral with said jaws, and means to engage said shanks whereby said jaws may be opened or closed.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

GUS W. ONEAL.
JOSEPH B. PEARSON.

Witnesses:
S. J. GAUER,
L. J. GRIFFIN.