Dec. 6, 1927. 1,652,075

L. E. WATSON

TOOL

Original Filed Jan. 22, 1926

Fig. 1.

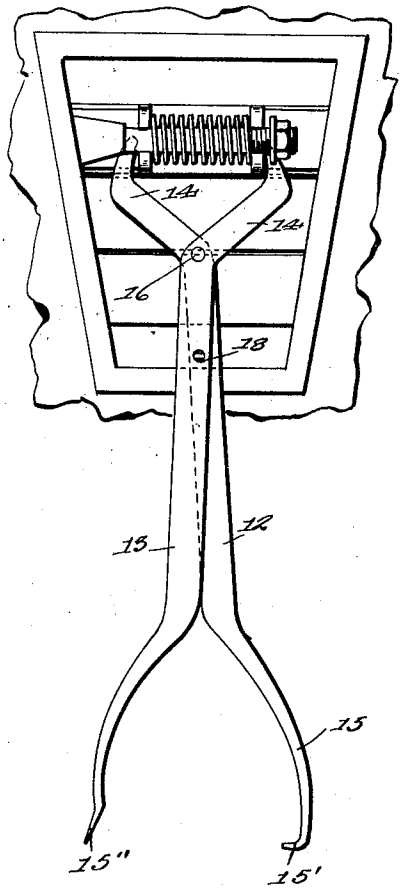


Fig. 2.

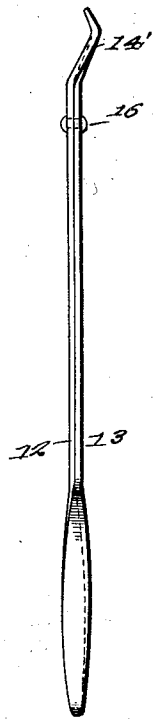


Fig. 3.

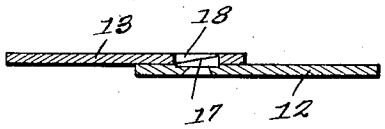
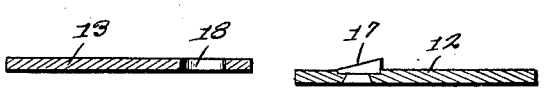


Fig. 4.



R. G. Thomas

WITNESS:

L. E. Watson INVENTOR

BY Victor J. Evans

ATTORNEY

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UNITED STATES PATENT OFFICE.

LEONARD E. WATSON, OF ST. MARYS, WEST VIRGINIA.

TOOL.

Original application filed January 22, 1926, Serial No. 83,102. Divided and this application filed June 21, 1926. Serial No. 117,474.

This invention relates to a tool for use in the removal and replacement of the transmission bands in the Ford type of motor vehicle, the general object of the invention being to provide means for holding the ears on the band together while the nut is being tightened or slackened, and also to provide means for removing and replacing the ear on the band and for pulling the band out of the housing and drawing it around the drum.

This application is a division of that filed by me on January 22, 1926, Serial No. 83,102.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings, and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Fig. 1 is a view showing the tool in use;

Fig. 2 is an edge view of the tool;

Fig. 3 is a transverse sectional view through the tool, showing the parts held together; and

Fig. 4 is a similar view, but showing the parts separated.

As shown in these drawings, the tool comprises a pair of members 12 and 13, each comprising a straight intermediate portion, a jaw portion 14, and an offset handle portion 15. The two members are pivoted together, as at 16, the jaw parts and the handle parts diverging when the parts of the tool are assembled. The jaw portions have their extremities of flat V-shape, as shown at 14′ and each extremity extends in a plane which is substantially parallel with the straight portion of the tool. One handle part is formed with a hook 15′ and the other with a beveled part 15″. The member 12 is provided with a beveled projection 17 which is adapted to engage a hole 18 in the part 13, when the tool is closed, these parts acting to hold the tool in closed position. By slightly springing the members apart, one part will be caused to slide over the beveled end of the pin 17 so that the jaws can be opened.

This tool is used for pressing together the ears of the band, as shown in Fig. 1, so that the nut and washer of the shaft can be removed or replaced. The beveled part 15″ is used for removing the ear or lug from the band and the hook 15′ is used for pulling the band around the drum. When the tool has been used to press the two ears toward each other, as shown in Fig. 1, the pin 17 will engage the hole 18 and thus lock the tool in this position. This will leave both hands of the operator free to turn the nut or to do other work. While the tool is mainly designed for facilitating the removal and replacement of bands on drums, as shown in Fig. 1, it will, of course, be understood that it can be used for other purposes.

The operation of the tool, with the device forming the subject-matter of the beforementioned application, is more specifically described in said application.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. A tool of the class described comprising a pair of members, each comprising a long straight intermediate portion, an outwardly inclined jaw portion, and a curved handle portion which extends in an opposite direction from the jaw portion, a pivot pin connecting the two members together, said pin passing through the junction of each jaw part with the straight part, each jaw part having its extremity lying in a plane substantially parallel with the straight portion and each extremity being of flat V-shape.

2. A tool of the class described comprising a pair of members, each comprising a long straight intermediate portion, an outwardly inclined jaw portion, and a curved handle portion which extends in an opposite

direction from the jaw portion, a pivot pin connecting the two members together, said pin passing through the junction of each jaw part with the straight part, each jaw part having its extremity lying in a plane substantially parallel with the straight portion and each extremity being of flat V-shape, and means for frictionally holding the intermediate portions in overlapping relation to hold the jaw parts in operative position.

In testimony whereof I affix my signature.

LEONARD E. WATSON.