L. W. DIEM.

TOOL.

APPLICATION FILED NOV. 15, 1919.

1,357,154. Patented Oct. 26, 1920.

Fig. 1.

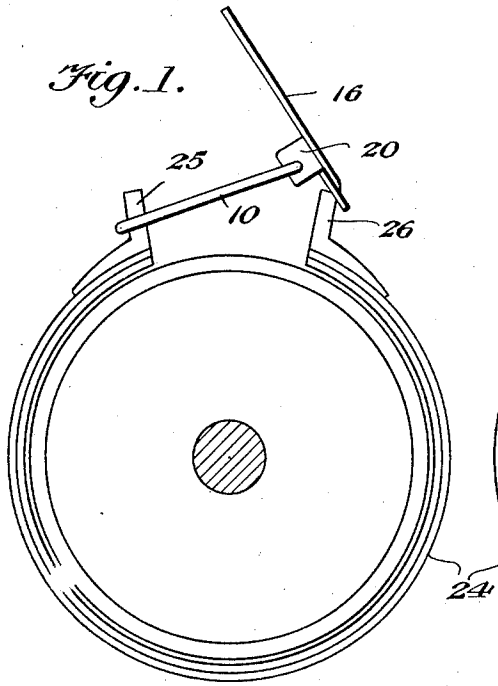


Fig. 2.

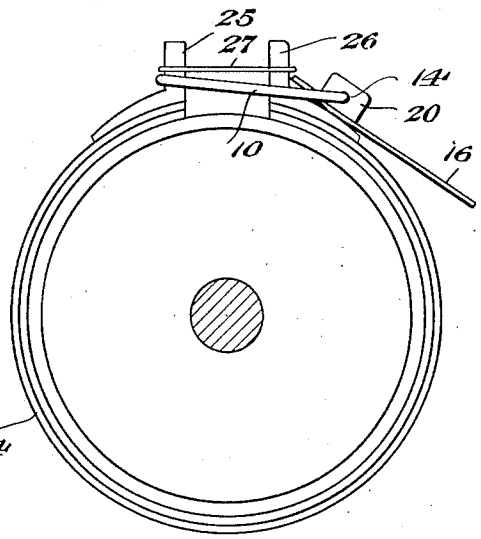


Fig. 3.

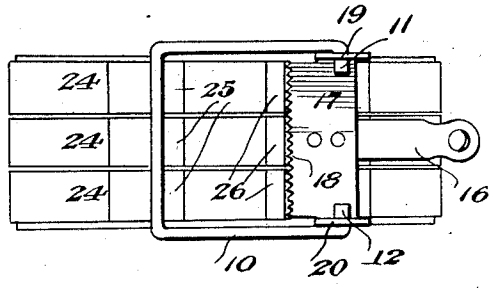
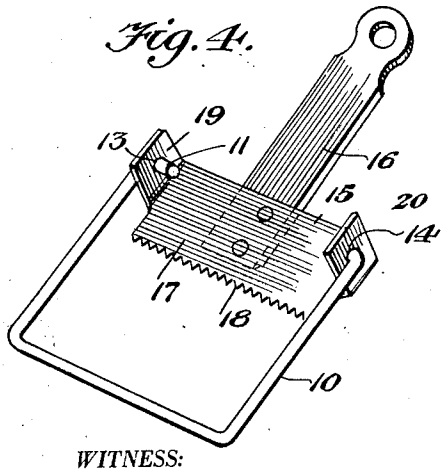


Fig. 4.



WITNESS:

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TOOL.

1,357,154. Specification of Letters Patent. Patented Oct. 26, 1920.

Application filed November 15, 1919. Serial No. 338,351.

To all whom it may concern:

Be it known that I, LOUIS W. DIEM, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented new and useful Improvements in Tools, of which the following is a specification.

This invention relates to a tool for use in replacing transmission bands of automobiles after said bands have been relined.

After the relining operation, the offset ends of the bands must be connected by wire or the like, in order to replace the cover, and it has heretofore been difficult to effect this operation unless the workman has the services of an assistant immediately available.

The object of the invention is to provide a tool comprising a bail-shaped element, and an element pivotally connected therewith for engaging the respective ends of the bands, the pivoted element when thrown to operative position producing tension on the bands and bringing the offset ends thereof into position where they may be readily connected by wire in order to retain them in proper position for permitting the replacing of the cover.

The invention consists in the construction and arrangement of the elements in a device of the type indicated, by means of which the desired results may be effected.

In the drawings,

Figure 1 is an edge view of the tool in the position in which it is first applied to the band,

Fig. 2 shows the position of the tool at the completion of the operation,

Fig. 3 is a perspective view of the implement, and

Fig. 4 is a plan view thereof.

In carrying out my invention, I provide a bail-shaped element 10 having inwardly turned end portions 11 and 12, for engaging apertures 13 and 14 in the element pivotally connected with the bail.

The element so connected is designated as a whole by 15, and includes a handle 16, a transversely extending flat portion 17 having teeth 18 on the edge thereof, and the plate having ears 19 and 20 offset therefrom, and provided with apertures, as before stated, for receiving the inwardly turned ends of the bail member.

In the application and use of the device, it may be assumed that the transmission bands have been relined, and are ready to be again placed in position. The band is designated 24 and the offset ends thereof are shown at 25 and 26. One of these offset ends is engaged by the bail member 10, and the other of said offset elements is engaged by the pivoted element including the flat plate and the handle constituting a lever.

The tool is first applied in approximately the position indicated in Fig. 1, and the handle is then thrown into position so that it extends in approximately the same direction as the bail 10. The edge of the plate being spaced the required distance from the axis of rotation, the movement of the handle in the manner indicated, produces tension on the ends of the bands and brings said ends into the position required for applying the wire designated 26, by means of which the ends are secured and permit the replacing of the cover. After the wire has been applied the tool is of course removed.

The advantages of the construction are apparent and no further description seems to be required.

What is claimed is—

In a device of the class described, a bail member having inwardly turned end portions, a pivoted element comprising a handle, a plate member connected therewith, having a roughened edge, ears connected with the plate member and engaging the inwardly turned portions, the roughened edge portion of the plate being spaced from the axis of rotation of the pivoted member.

In testimony whereof I affix my signature.

LOUIS W. DIEM.