

A. C. WEBBER.

TIRE TOOL.

APPLICATION FILED JAN. 24, 1907. RENEWED DEC. 15, 1908.

929,905.

Patented Aug. 3, 1909.

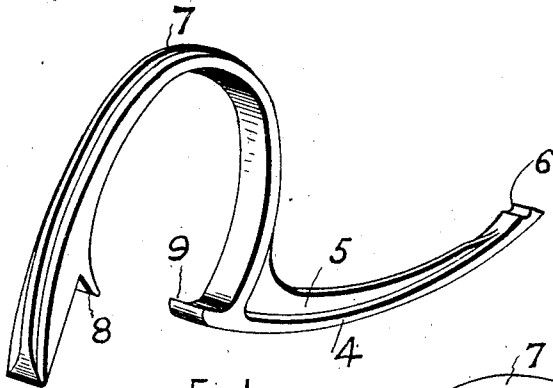


FIG. 1.

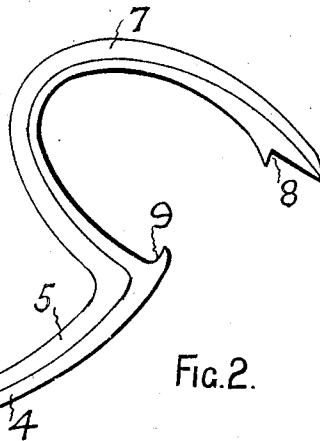


FIG. 2.

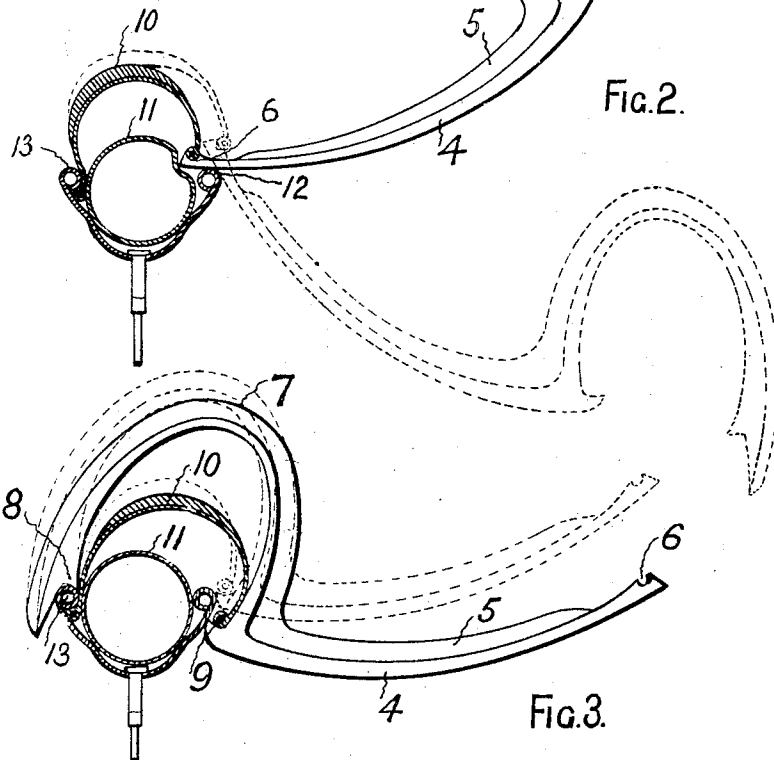


FIG. 3.

Witnesses.

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UNITED STATES PATENT OFFICE.

ARTHUR COURTIS WEBBER, OF MARRICKVILLE, SYDNEY, NEW SOUTH WALES,
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TIRE-TOOL.

No. 929,905.

Specification of Letters Patent.

Patented Aug. 3, 1909.

Application filed January 24, 1907, Serial No. 353,825. Renewed December 15, 1908. Serial No. 467,689.

To all whom it may concern:

Be it known that I, ARTHUR COURTIS WEBBER, a subject of the King of Great Britain, residing at Warren Road, Marrickville, Sydney, in the State of New South Wales, in the Commonwealth of Australia, have invented certain new and useful Improvements in Tire-Tools, of which the following is a specification.

This invention refers to a tool for removing and replacing the outer cover of a pneumatic tire. The tools for this purpose at present in use are difficult to manipulate and in the manipulation the inner tube is liable to be punctured, and the object of this invention is to obviate these defects and provide a cheap and efficient tool for the purpose.

In the drawings:—Figure 1 shows a perspective view of the tool. Fig. 2 shows the tool in position removing the cover. Fig. 3 shows the tool in position replacing the cover.

Referring to the drawings which show the shape and construction of the tool clearly, 4 is the portion which is used to remove the cover 10, this portion consists of a curved blade provided with a strengthening web 5 and having its extreme end grooved as at 6, as to grip the edge of the cover as shown in Fig. 2. In this figure the inner tube 11 is shown partially inflated for the purpose of clearness of illustration although it is well known that in practice the inner tube would be deflated before attempting to remove the cover. Having gripped the edge of the cover as shown the other end of the tool 7 is used as a handle and with the edge of the rim 12 as

fulcrum the tool is depressed as shown in dotted lines (Fig. 2) and the cover levered over the rim. When it is desired to replace the cover the other end 7 of the tool is used as shown in Fig. 3. This end consists of a hooked shaped member having shoulders 8 and 9 and is constructed of such a size as to embrace the rim of the wheel.

In operation the hooked end 7 of the tool is passed over the cover so that the shoulder 8 rests on that edge of the rim opposite to the displaced edge of the cover, and the shoulder 9 under the said displaced edge. The blade 4 which is now used as a handle is then lifted as shown in dotted lines Fig. 3 and the shoulder 8 on the rim 13 of the wheel acting as a fulcrum the cover is levered up into position.

What I claim and desire to secure by Letters Patent is:—

A tool for removing and replacing outer covers of pneumatic tires comprising, a removing blade, having at one end a tire bead engaging groove, and at the other end a curved replacing part, formed to inclose the exposed part of the tire, the curved replacing part having, at its inner end, a tire bead engaging projection, and, near its outer end, a wheel rim engaging projection angularly disposed to the curved replacing part and extending toward the outer end thereof.

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

ARTHUR COURTIS WEBBER.

Witnesses:

WALTER SIGMONT,
T. C. ALLEN.