

W. R. LAMB.
TOOL.

APPLICATION FILED SEPT. 16, 1915.

1,197,502.

Patented Sept. 5, 1916.

Fig. 1.

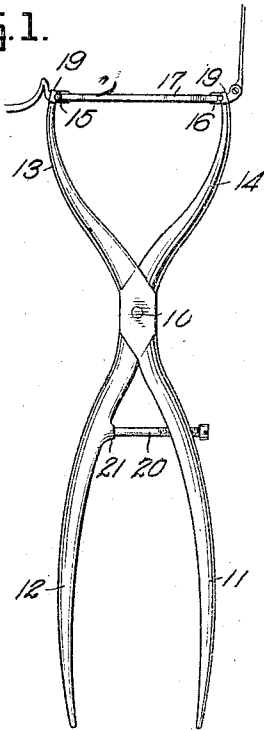


Fig. 2.

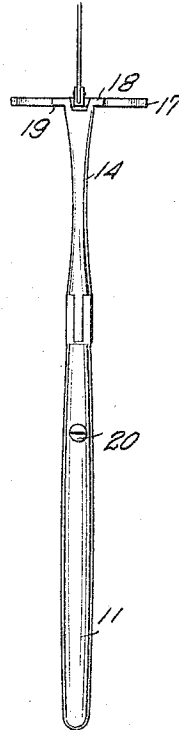


Fig. 3.

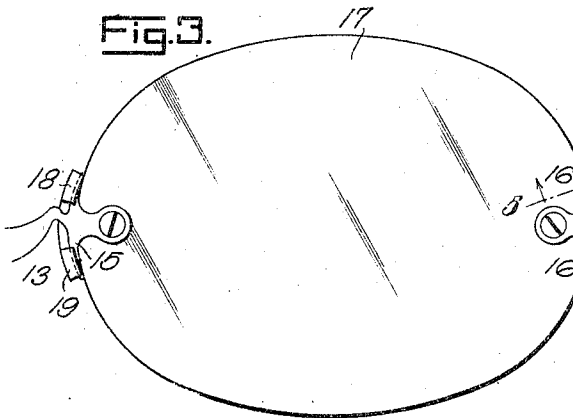


Fig. 4.

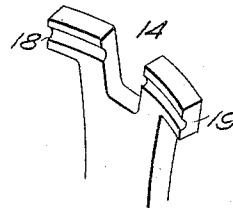
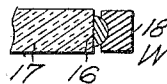


Fig. 5.



WITNESSES

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TOOL.

1,197,502.

Specification of Letters Patent.

Patented Sept. 5, 1916.

Application filed September 16, 1915. Serial No. 50,982.

To all whom it may concern:

Be it known that I, WILLIAM R. LAMB, a citizen of the United States, and a resident of Mount Holly, in the county of Burlington and State of New Jersey, have invented a new and Improved Tool, of which the following is a full, clear, and exact description.

The invention relates to tools for tightening the lips or shoes of rimless eyeglass or spectacle mounts.

The object of the invention is to provide a new and improved tool more especially designed for the use of opticians and other persons and arranged to permit of quickly and conveniently tightening the two opposite sets of lips or shoes on the edge of the lens without removing the mount from the lens.

In order to produce the desired result use is made of a pair of jaws movable toward and from each other, the jaws being adapted to simultaneously engage and press the lips of a lens mount against the edge of the lens.

A practical embodiment of the invention is represented in the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a plan view of the tool as applied; Fig. 2 is an edge view of the same; Fig. 3 is an enlarged front view of a portion of the eyeglass with the jaws in position on the mount lips; Fig. 4 is an enlarged perspective view of one of the bifurcated jaws; and Fig. 5 is a cross section of the tool as applied, on the line 5—5 of Fig. 3.

The tool, as illustrated in Figs. 1 and 2, is in the form of a pair of pliers, the members of which are pivotally connected with each other by a pivot 10, the members having handles 11 and 12 and bifurcated jaws 13 and 14 arranged for engagement with the lips or shoes 15 and 16 extending from the studs or necks of the mount for the corresponding lens 17 of a pair of eyeglasses or spectacles. Each bifurcated jaw 13 and 14 has its clamping members 18, 19 extending in opposite directions and curved both transversely and longitudinally of the tool to permit them to fit upon and follow the shape of the lips or shoes 15 and 16.

In using the tool the plier members are

opened to cause the jaws to span the pairs of lips 15 and 16 on opposite sides of the lens 17, and then the operator presses the handles 11 and 12 toward each other so as to cause the jaws 13 and 14 to exert pressure against the lips 15, 16 to press the same in firm contact with the edge of the lens 17. It is further understood that by making the jaws 13 and 14 bifurcated they can readily straddle the necks or studs of the mount, and the jaw members 18, 19 readily fit on the lips 15 and 16 to allow of pressing the same in firm contact with the edge of the lens without danger of the members 18 and 19 becoming disengaged from the said lips during the pressing operation. It will also be noticed that by forming the members 18 and 19 in the manner described a pressure is exerted against the lips 15 and 16 throughout their exterior surfaces so that the lips are accurately pressed against the edge or rim of the lens 17.

In order to prevent possible injury to the lens 17 on the operator pressing too hard on the handles 11 and 12 while setting the lips 15 and 16 as above described, use is made of a limiting screw 20 screwing in the handle 11 and abutting against a shoulder 21 on the other handle 12. By the arrangement described the closing movement of the handles 11 and 12 is limited and by adjusting the screw 20 the jaws can be set for engaging the lips of mounts of eyeglasses and spectacles of different sizes.

It is understood that in a tool of this kind for use only on eyeglasses having but one pair of lips on each lens one of the jaws need not be bifurcated but curved to correspond to the edge of the lens.

The tool shown and described is very simple in construction and it enables an operator or other person to simultaneously tighten the four lips or shoes on a lens without detaching the mount from the lens.

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

As a new article of manufacture, a tool for tightening the lips of eyeglass mounts, comprising a pair of pivoted members having handles at one end and jaws at the other end, the jaws being bifurcated to permit

them to straddle the shanks of the mounts
at opposite sides of a lens and having their
inner faces curved both transversely and
longitudinally to permit them to fit upon
5 the lips of the said mounts and press them
firmly into engagement with the edge of a
lens.

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

WILLIAM R. LAMB.

Witnesses:

THEO. G. HOSTER,
PHILIP D. ROLLHAUS.