

A. E. DOBLE.
PLIERS.
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1,409,835.

Patented Mar. 14, 1922.

Fig. 1.

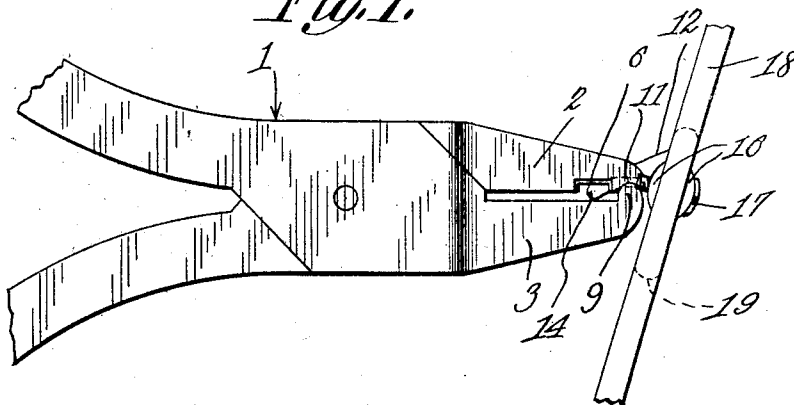


Fig. 2.

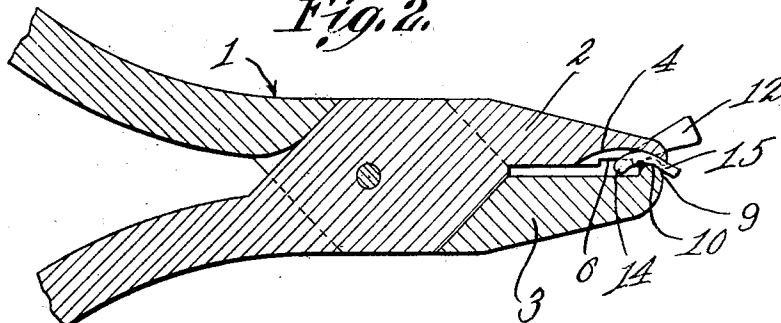


Fig. 3.

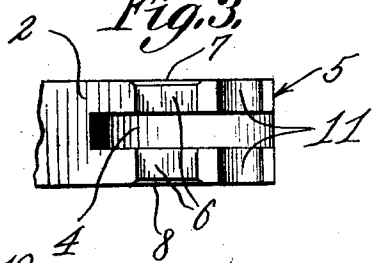


Fig. 4.

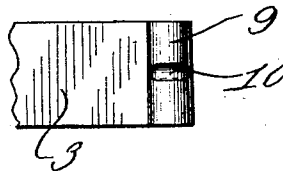
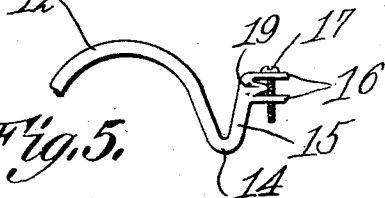


Fig. 5.



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ALBERT E. DOBLE, OF SCRANTON, PENNSYLVANIA.

PLIERS.

1,409,835.

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To all whom it may concern:

Be it known that I, ALBERT E. DOBLE, a citizen of the United States, residing at Scranton, in the county of Lackawanna and State of Pennsylvania, have invented new and useful Pliers, of which the following is a specification.

The device forming the subject matter of this application is a pair of pliers, adapted for the manipulation of portions of the bridge of a pair of spectacles, and the invention aims to provide a pair of pliers the jaw faces of which are so fashioned as to accommodate and hold the portions of the spectacle bridge which are to be manipulated.

It is within the province of the disclosure to improve generally and to enhance the utility of devices of that type to which the invention appertains.

With the above and other objects in view, which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that, within the scope of what is claimed, changes in the precise embodiment of the invention shown can be made without departing from the spirit of the invention.

In the accompanying drawings:—

Figure 1 shows in side elevation, a portion of a pair of pliers constructed in accordance with the invention, the tool being disclosed in operative relation with respect to the spectacles; Figure 2 is a longitudinal section; Figure 3 is an elevation showing the inner surface of one jaw; Figure 4 is an elevation showing the inner surface of the other jaw; and Figure 5 is an elevation showing a portion of a bridge of a pair of spectacles.

The numeral 1 marks a pair of spectacle pliers comprising a first jaw 2 and a second jaw 3, the first jaw 2 having a longitudinal groove 4 extended to the free end 5 of the jaw 2. The jaw 2 has a transverse groove 6 intersecting the longitudinal groove 5, the transverse groove 6 being extended from one side 7 of the jaw 2 to the other side 8 thereof. The second jaw 3 is provided with a transverse rib 9 cooperating with the longitudinal groove 4 of the first jaw 2 near to the free end 5 of the first jaw. The rib 9 is

provided with a transverse groove 10 alined with the longitudinal groove 4 of the first jaw 2, the first jaw 2 having a transverse seat 11 located between the transverse groove 6 and the free end 5 of the said jaw, and receiving the rib 9 when the jaws 2 and 3 are closed together.

Referring to Figure 5, the numeral 12 denotes the bridge of a pair of spectacles having bends 14 merging into arms 15 having parallel fingers 16 connected by a screw 17 carrying a lens 18, the numeral 19 denoting the usual strip which, being located on the end of the arm 15, extends along the edge of the lens 18.

In practical operation, the arm 15 of the bridge 12 is received in the longitudinal groove 4 of the first jaw 2 and is received in the transverse groove 10 which is fashioned in the rib 7 of the second jaw 3. The bend 14 is received at the point of intersection between the longitudinal groove 4 and the transverse groove 6, the extremity of the bridge 12 projecting outwardly through the transverse groove 6. It is possible, in view of the foregoing, to bend the arm 15 with respect to the bridge 12 without touching the lens 18 in any way. The jaws are so constructed that they will retain a firm hold on the arm 15.

Having thus described the invention, what is claimed is:—

A pair of spectacle pliers comprising first and second jaws, the first jaw having a longitudinal groove extended to the free end thereof and having a transverse groove intersecting the longitudinal groove and extended from one side of the first jaw to the other side thereof, the second jaw having a transverse rib cooperating with the longitudinal groove near to the free end of the first jaw, the rib having a groove alined with the longitudinal groove of the first jaw, the first jaw having a transverse seat located between the transverse groove and the free end of said jaw and receiving the rib when the jaws are closed together.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

ALBERT E. DOBLE.

Witnesses:

GEORGE J. WESLAN,
FRED BONN.