

No. 676,026.

C. V. BURCH.
HAND VISE.

Patented June 11, 1901.

(Application filed July 5, 1900.)

(No Model.)

FIG. 1.

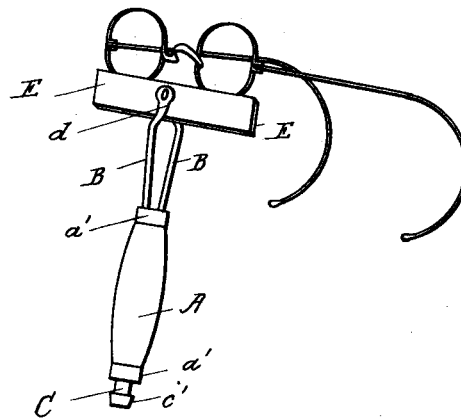
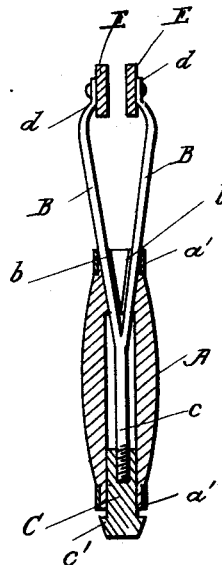


FIG. 2.



WITNESSES

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CLARANCE V. BURCH, OF TERRE HAUTE, INDIANA.

HAND-VISE.

SPECIFICATION forming part of Letters Patent No. 676,026, dated June 11, 1901.

Application filed July 5, 1900. Serial No. 22,585. (No model.)

To all whom it may concern:

Be it known that I, CLARANCE V. BURCH, a citizen of the United States, residing at Terre Haute, in the county of Vigo and State of Indiana, have invented certain new and useful Improvements in Hand-Vises; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

This invention relates to hand-vises for holding the frames of spectacles while being soldered together; and it consists in the novel construction and combination of the parts
15 hereinafter fully described and claimed.

In the drawings, Figure 1 is a perspective view of the hand-vise. Fig. 2 is a longitudinal section through the same.

A is the handle, which is formed of wood or
20 other similar material and provided with ferrules *a'* at its ends. The handle is tubular and has internal grooves *b* at its upper end portion.

B represents two diverging spring-arms
25 which are slidable in the grooves *b* longitudinally of the handle. The lower ends of the spring-arms are provided with a screw-threaded stem *c*, which is formed integral with the said arms and is screwed into a push-piece C.
30 The push-piece C is slidable in the lower part of the tubular handle and has a projecting stop *c'* below the end of the handle for limiting its motion. The upper end portions *d* of the arms B are cranked toward each other
35 and are flattened.

E represents the vise-jaws, the middle parts

of which are riveted to the upper ends of the spring-arms.

The spectacles are held between the jaws as shown in Fig. 1, and as both the lense-
40 frames are held securely in their proper relative positions the bridge-piece between them can be soldered to them with great facility. The handle is held between the thumb and fingers of one hand, and the spectacles are re-
45 leased by elevating the push-piece with the little finger of the same hand. The jaws may be retracted toward the handle by pulling the part *c'*; but the jaws are preferably caused
50 to clamp the work by first pressing them together by hand upon the work and then pushing up the handle upon the spring-arms toward the jaws until it jams upon the spring-arms and is retained in position by their elasticity.

What I claim is—

55 In a hand-vise, the combination, with a stem provided at its upper end with a pair of diverging spring-arms, the upper end portions of which are cranked toward each other and flattened; of jaw-plates secured to the said
60 flattened end portions, a tubular handle provided with grooves for engaging with the said spring-arms, and a push-piece secured to the lower end of the said stem and slidable inside the lower part of the tubular handle, sub-
65 stantially as set forth.

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

CLARANCE V. BURCH.

Witnesses:

OSCAR JONES,
W. J. STRANG.