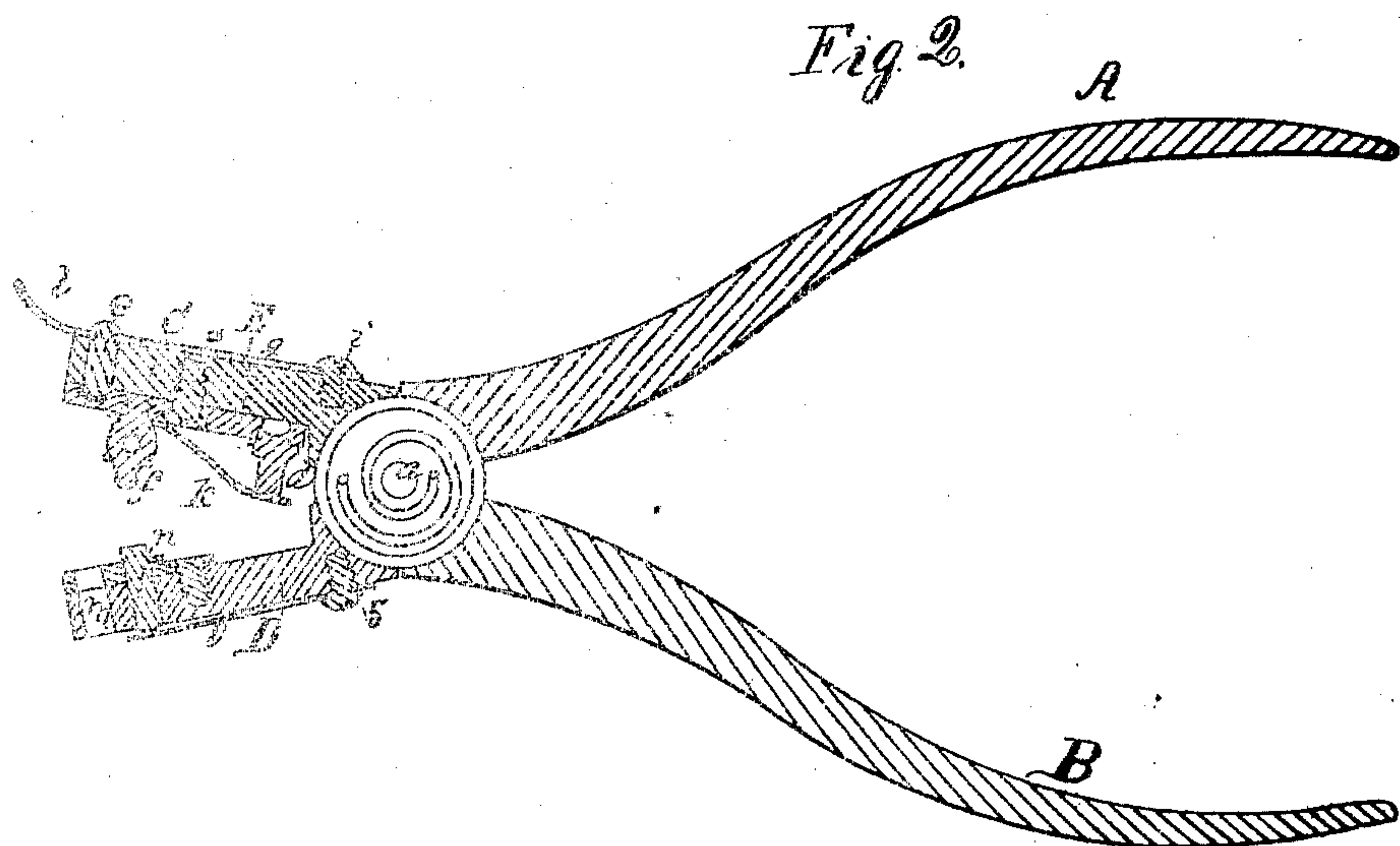
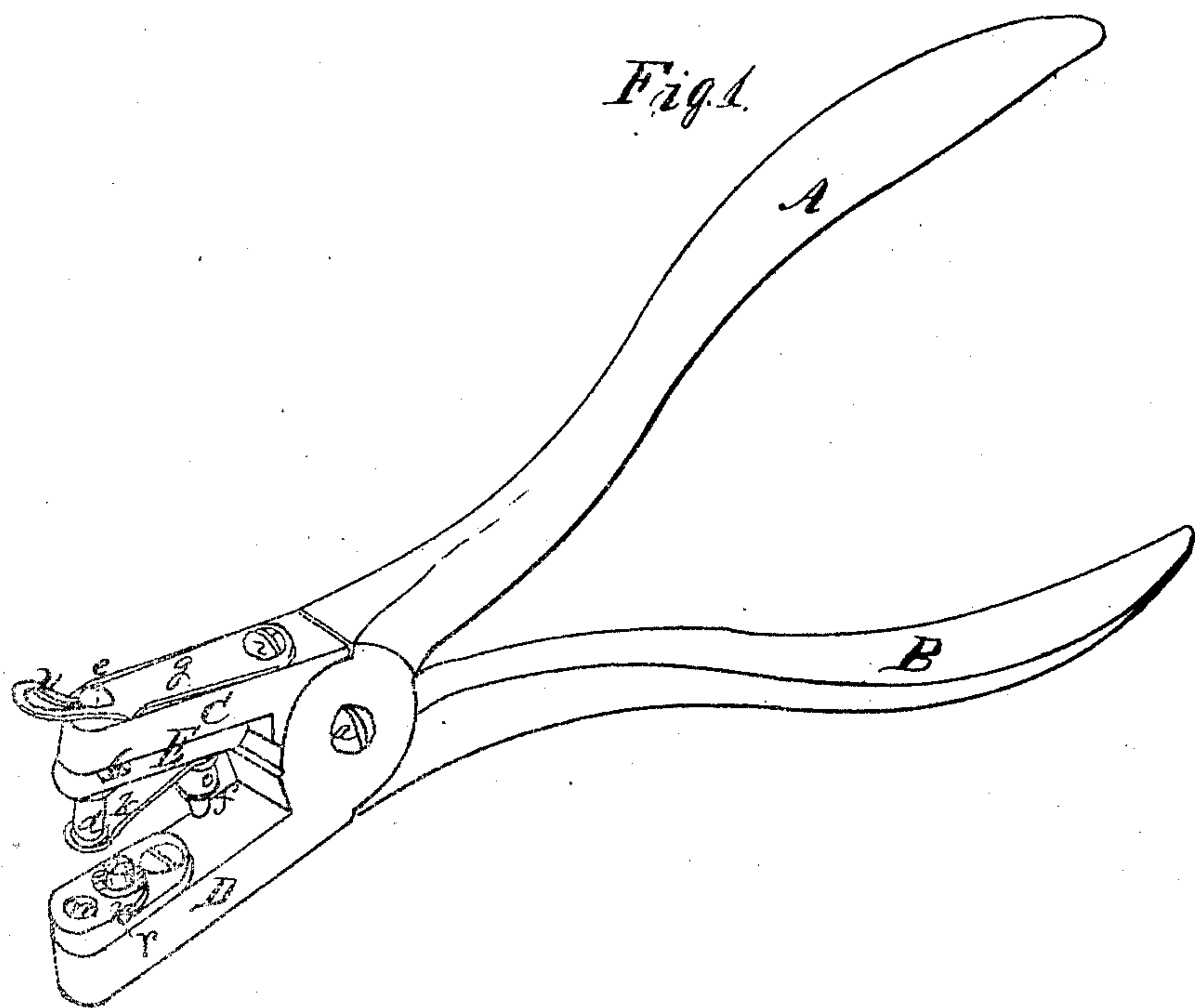


H. D. Walcott.
Eyeletting Machine.
N^o 35003 *Patented Apr. 15, 1862.*



P. B. Schumacher
Command Master

H. D. Walcott
by his Attorney

UNITED STATES PATENT OFFICE.

HALSEY D. WALCOTT, OF BOSTON, ASSIGNOR TO HORACE WILLIAMS, OF
BROOKLINE, MASSACHUSETTS.

IMPROVEMENT IN EYELET-MACHINES.

Specification forming part of Letters Patent No. 35,003, dated April 15, 1862.

To all whom it may concern:

Be it known that I, HALSEY D. WALCOTT, of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Eyelet Set and Punch Combined, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the instrument; Fig. 2, a longitudinal section through the same.

In the instrument for "setting eyelets," for which Letters Patent of the United States were granted to me March 27, 1860, and assigned to Horace Williams, the punch for cutting the holes and the die for setting the eyelet were placed one on each corner of a wide jaw of a pair of pinchers.

The object of my present invention is to improve the construction of this instrument, to render it more neat and compact, and by bringing the punch and set or die both into line with or into a vertical plane passing through the pivot or joint of the pinchers to relieve this joint of the lateral strain to which it was subjected in the former case; and my invention consists in the improved instrument or "eyelet set" and "punch" combined, which I will now proceed to describe, so that others skilled in the art may understand and use my invention.

In the said drawings, A B are the pinchers pivoted at *a*. The jaws C D, which are made as narrow as is practicable, project a sufficient length beyond the pivot *a* to accommodate the punch and set. To the inner face of the jaw C is pivoted at *c* a piece E, which carries at one end a punch *d*, for punching holes in the articles to which the eyelets are to be attached, and near its other end a die *f*, for setting the eyelet, the die being placed much nearer to the pivot *c* than the punch is, so that when the piece E is turned end for end the die and punch shall strike on the jaw D, (when the pinchers are shut to,) in a line with each other but at different parts of the length of the lower jaw. The piece E is retained in position by a stop *e*, which passes through the jaw C, and is held down by a spring *g*, fastened at *i* to the outside of the jaw. This

spring is lifted by the thumb-piece *l* when the piece E is to be revolved. A hole *m* is made in the outer end of the jaw D to receive the punch *d*, which enters it when the piece E is in the position shown in Fig. 1. A spring *k* clears the punch of the material through which it has cut in the usual manner. Immediately behind the hole *m*, in a line with it but somewhat nearer to the pivot *a* of the pinchers, and immediately beneath where the die *f* will strike, when the piece E is in the position shown in Fig. 2, is a yielding point or nib *n*, which is pressed up by a spring *o*, attached at *5* to the outside of the jaw D. This point is intended to guide the position of the eyelet while the die is being brought down onto it, but forms no part of my present invention, as the die may shut down onto the face of the jaw. A block of hardened steel *r* is attached to the face of the jaw D. A beveled notch *6* is cut in the side of the piece E near each end to slip by the end of the stop *e*, the stop falling into a hole in the top of the piece E.

A different form of punch will be used for leather.

When the piece E is locked in position, as shown in Fig. 1, the punch may be used as conveniently as if it were only an independent instrument for punching holes, and the same with the die or set when the piece E has been revolved on the pivot *c*, and is again locked by the stop *e*, while the strain of closing the jaws is brought directly in line with the middle of the pivot *a* of the pinchers, so that by avoiding any lateral strain I am enabled to make the instrument lighter, neater, and cheaper than heretofore.

What I claim as my invention, and desire to secure by Letters Patent, is—

The above-described improved eyelet set and punch combined, the piece E being so pivoted to the jaw C that when it is revolved the punch *d* and die *f*, attached thereto, will fall on different parts of the jaw D, substantially as set forth.

HALSEY D. WALCOTT.

Witnesses:

THOS. R. ROACH,
EDMUND MASSON.