

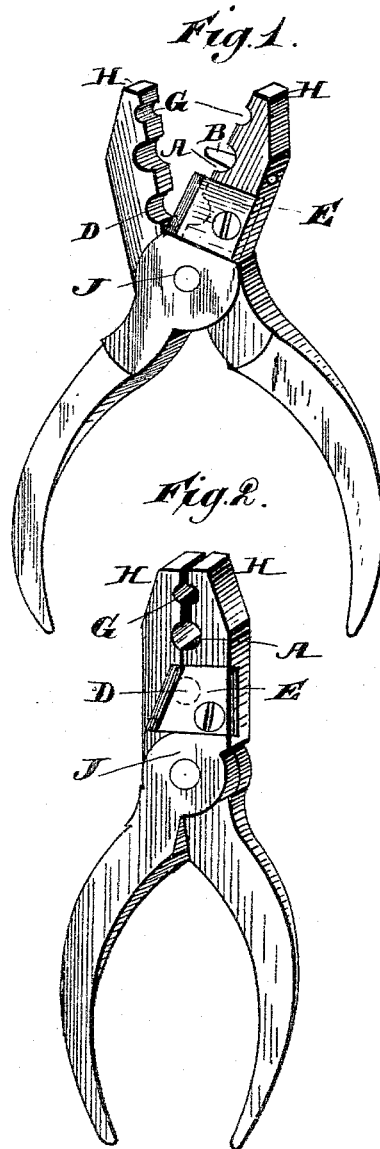
(No Model.)

S. W. ENTREKIN.

COMBINED CUTTER, PUNCH, AND PLIERS.

No. 304,089.

Patented Aug. 26, 1884.



Witnesses -
D. Snyder -
T. Weaver -
" "

J. Franklin Rigart
Atty for
S. W. Entekin - Inventor

UNITED STATES PATENT OFFICE.

SAMUEL W. ENTREKIN, OF HARRISBURG, PENNSYLVANIA, ASSIGNOR OF
ONE-HALF TO JACOB W. MEESE, OF SAME PLACE.

COMBINED CUTTER, PUNCH, AND PLIERS.

SPECIFICATION forming part of Letters Patent No: 304,089, dated August 26, 1884.

Application filed December 14, 1883. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL W. ENTREKIN, a citizen of the United States, residing at the city of Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented a new and useful Combined Cutter, Punch, and Pliers for use in Connection with Sewing-Machines, of which the following is a specification, reference being had to the accompanying drawings, forming part thereof, in which my new instrument is represented partly open in Figure 1 and closed in Fig. 2.

The object of my invention is to provide a convenient tool by which the round or half-round belts of sewing and other similar machines may be quickly and conveniently fitted to a proper length when they are to be applied to the machines, or may be shortened when they have become stretched and loose from use.

To this end my device consists of two jaws, H, pivoted together at J, and having handles like ordinary pliers. The jaws H are provided on their inner sides with half-round recesses D, A, and G, the recesses G being much smaller than the recesses D and A. To the side of one of the jaws H, adjacent to the recesses D, is attached the knife or cutter E, and in the same jaw in the recess A is secured an ordinary hollow punch, B, of sufficient length to reach the bottom of the opposite recess when the instrument is closed.

The operation of my device is as follows:

When a belt is to be fitted, the same is cut to a proper length by placing the end thereof in the recess D and closing the instrument to cause the cutter E, which shears against the opposite jaw, to cut off the end projecting beyond the cutter. Holes for the belt-fastening link or hook may next be made by the punch B operating in the recess A, by which latter the belt will be held, and the fastening link or hook may next be bent into proper shape by forcing the jaws H, together with the link or hook, in the recesses G, which will hold the same from slipping when under pressure.

Thus it will be obvious that by the use of my tool a belt may be quickly fitted to its proper length, punched, and the ends secured together by the fastener.

Having thus described my invention, I claim and desire to secure by Letters Patent—

The combined cutter, punch, and pliers herein described, the same consisting of two pivoted jaws having handles, said jaws being provided with belt-recesses of proper size to hold a belt while being cut and punched, and hook or link recesses smaller than said belt-recesses for holding a link or hook while being bent, one of the said jaws having a punch and a cutter operating in connection with said belt-recesses, substantially as set forth.

SAMUEL W. ENTREKIN.

Witnesses:

J. FRANKLIN REIGART,
J. W. MEESE.