

(No Model.)

S. E. KEIGHLEY.
BELT PUNCH.

No. 566,402.

Patented Aug. 25, 1896.

Fig. 1

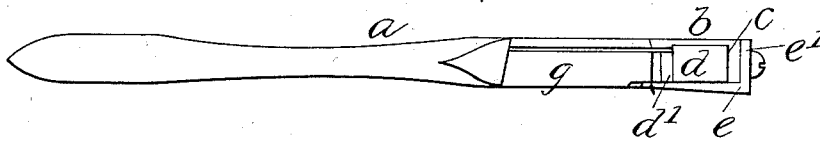


Fig. 2

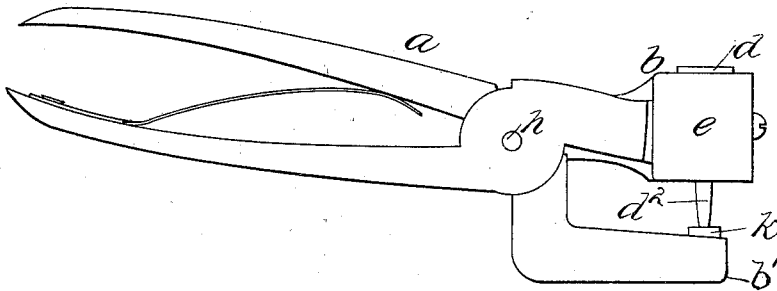
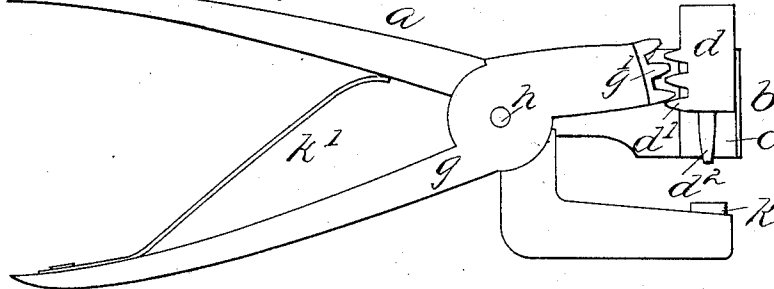


Fig. 3



Witnesses
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UNITED STATES PATENT OFFICE.

SEBASTIAN E. KEIGHLEY, OF COBALT, CONNECTICUT.

BELT-PUNCH.

SPECIFICATION forming part of Letters Patent No. 566,402, dated August 25, 1896.

Application filed April 9, 1892. Serial No. 428,471. (No model.)

To all whom it may concern:

Be it known that I, SEBASTIAN E. KEIGHLEY, of Cobalt, in the county of Middlesex and State of Connecticut, have invented certain new and useful Improvements in Belt-Punches, of which the following is a full, clear, and exact description, whereby any one skilled in the art can make and use the same.

The object of my invention is to provide a punch with lever-handles and one in which the movable cutting part is readily removable and interchangeable, the cutter also being given a movement in a straight line; and to this end my invention consists in the details of the several parts making up the device as a whole and in their combination, as more particularly hereinafter described, and pointed out in the claim.

Referring to the drawings, Figure 1 is a detail back view of the device. Fig. 2 is a detail side view of the device with the parts closed together. Fig. 3 is a detail side view of the device with the cover-plate removed.

In the accompanying drawings, the letter *a* denotes one of the lever-handles, the head portion of which is formed into two branches *b* and *b'*. In the branch *b*, at the outer end, is arranged a transverse socket *c*, that is adapted to inclose on two sides a sliding cutter-block *d*. This socket is closed as to one side by a cover-plate *e*, having a flanged end *e'*, overlying the outer end of the head and secured thereto, as by means of a screw that passes through the flange into a threaded socket in the head.

The cutter-block socket is formed in part in the substance of the head, so as to form a

guide for the block in its sliding movement in the socket. The cutter-block *d* is provided on the edge adjacent to the rear open side of the socket with a rack *d'*, arranged to engage the segmental gear *g'*, that is formed on the end of the lever-handle *g*, that is pivoted to the other lever-handle, as by means of a bolt or pin *h*. The other branch of the lever-head extends outward and supports an anvil or block *k* opposite the cutter-block *d*. Any convenient form of cutter or punch *d''* is secured to the block, and by forcing the cutter-block toward the anvil any article interposed between the anvil and the cutter may be cut or pierced.

The lever-handles are kept always in an extended position by means of a spring *k'*, fastened to one of the handles and thrusting against the opposite lever in any convenient manner.

I claim as my invention—

In combination with a lever-handle having a bifurcated head, a cutter-block socket formed transversely of the head, a removable angular plate secured to the end of the head and with one portion forming one side of the cutter-block socket, a sliding cutter-block bearing on one side a rack and a lever-handle pivoted to the first lever-handle and having a segmental gear on the end in engagement with the rack on said cutter-block, all substantially as described.

SEBASTIAN E. KEIGHLEY.

Witnesses:

S. S. SCOVILL,
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