

(No Model.)

L. D. JUNKINS.
MONKEY WRENCH ATTACHMENT.

No. 432,945.

Patented July 22, 1890.

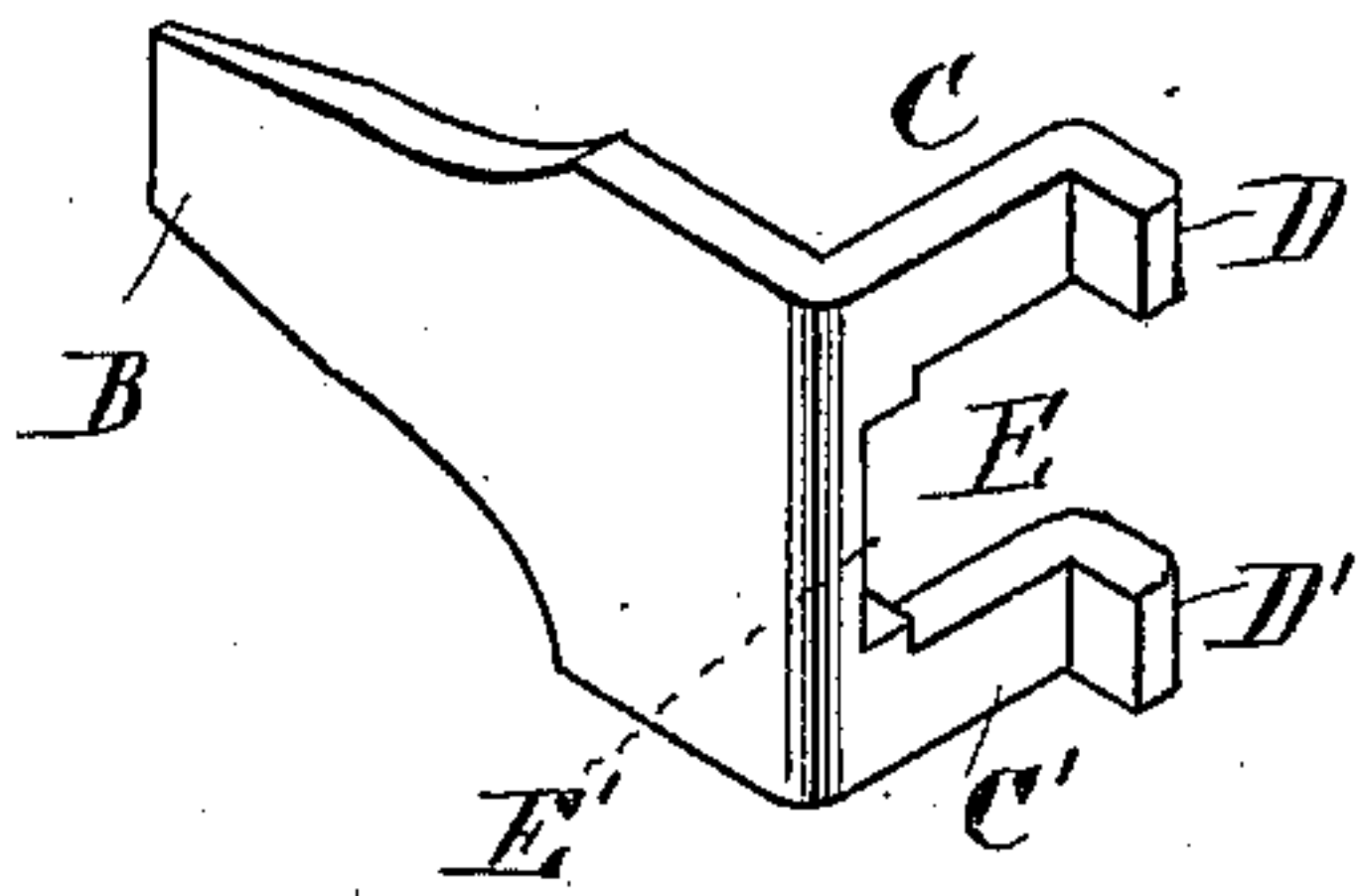


Fig. 1.

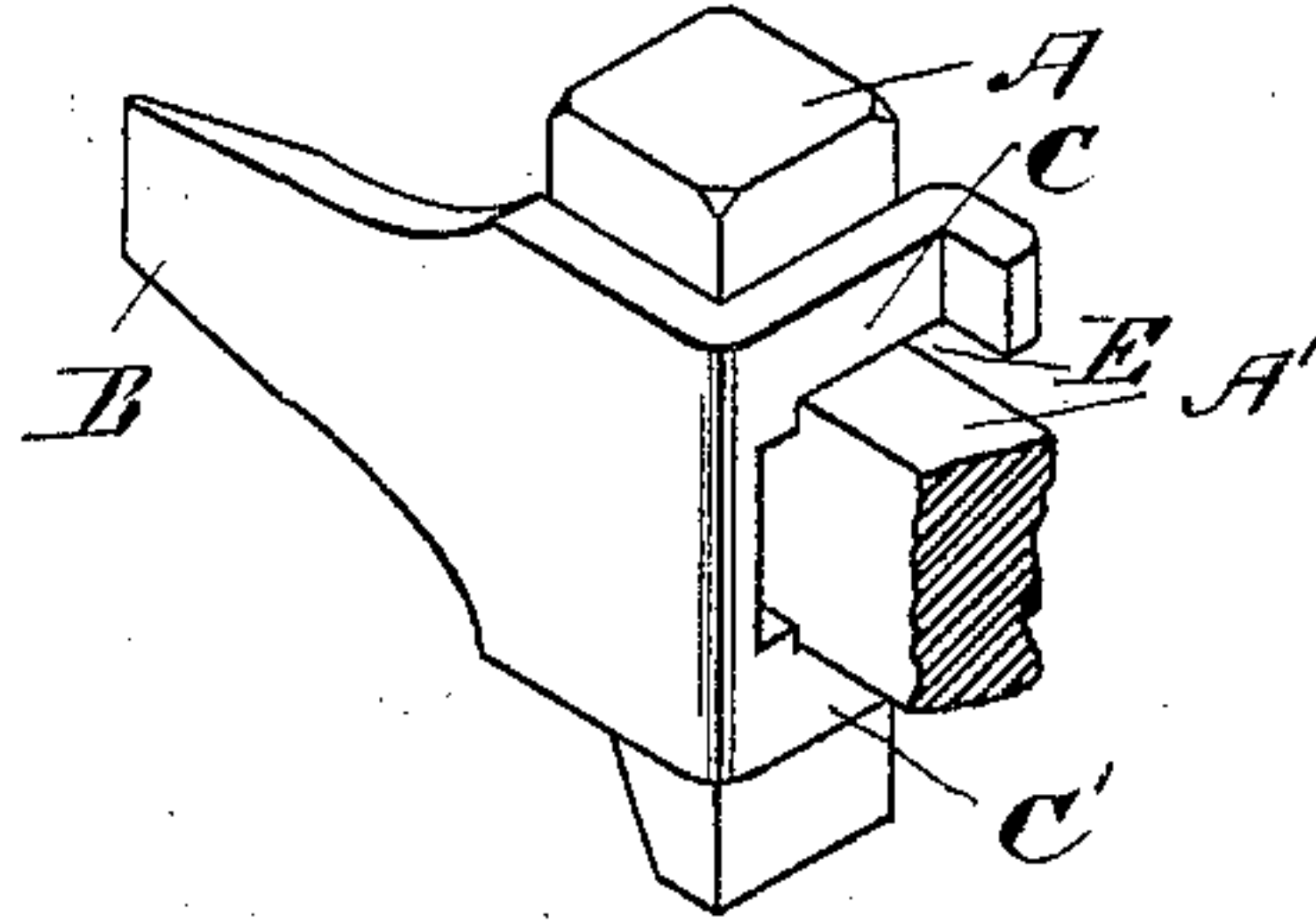


Fig. 2.

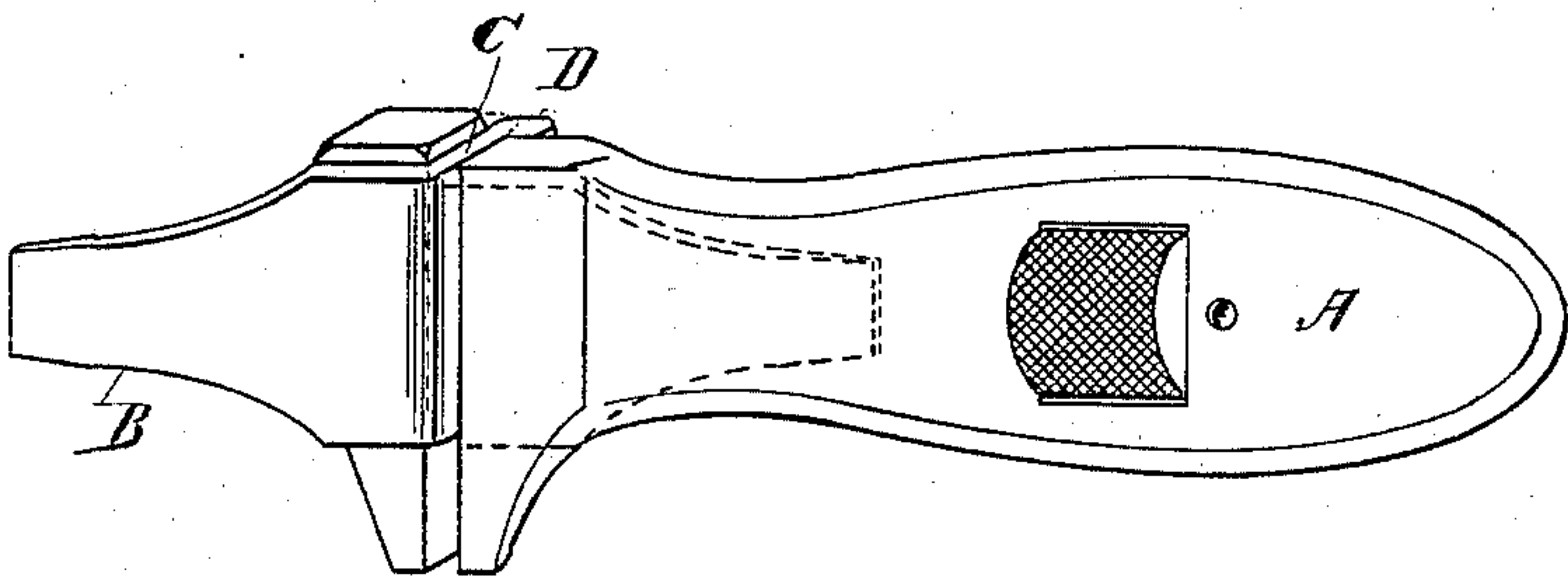


Fig. 3.

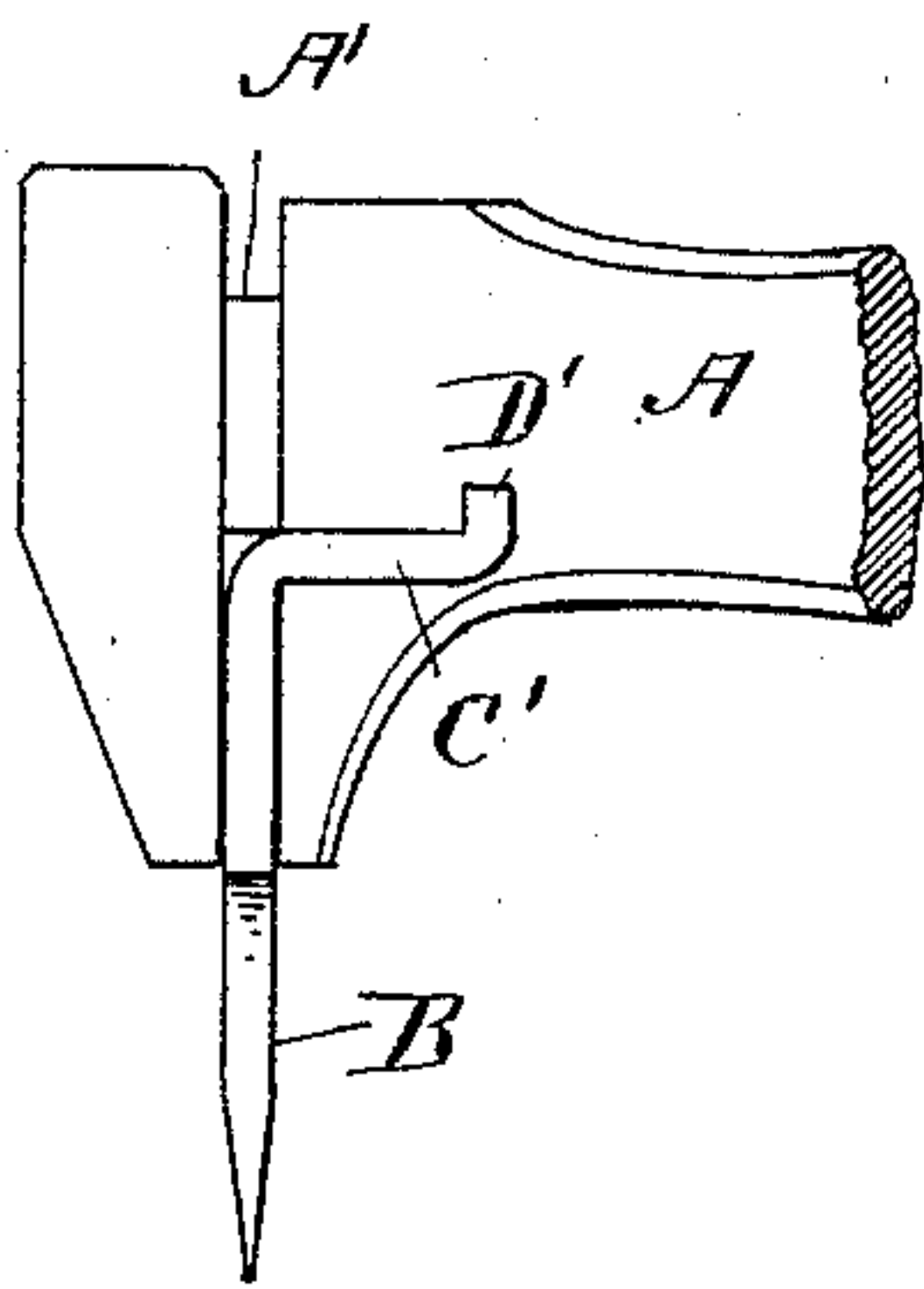


Fig. 4.

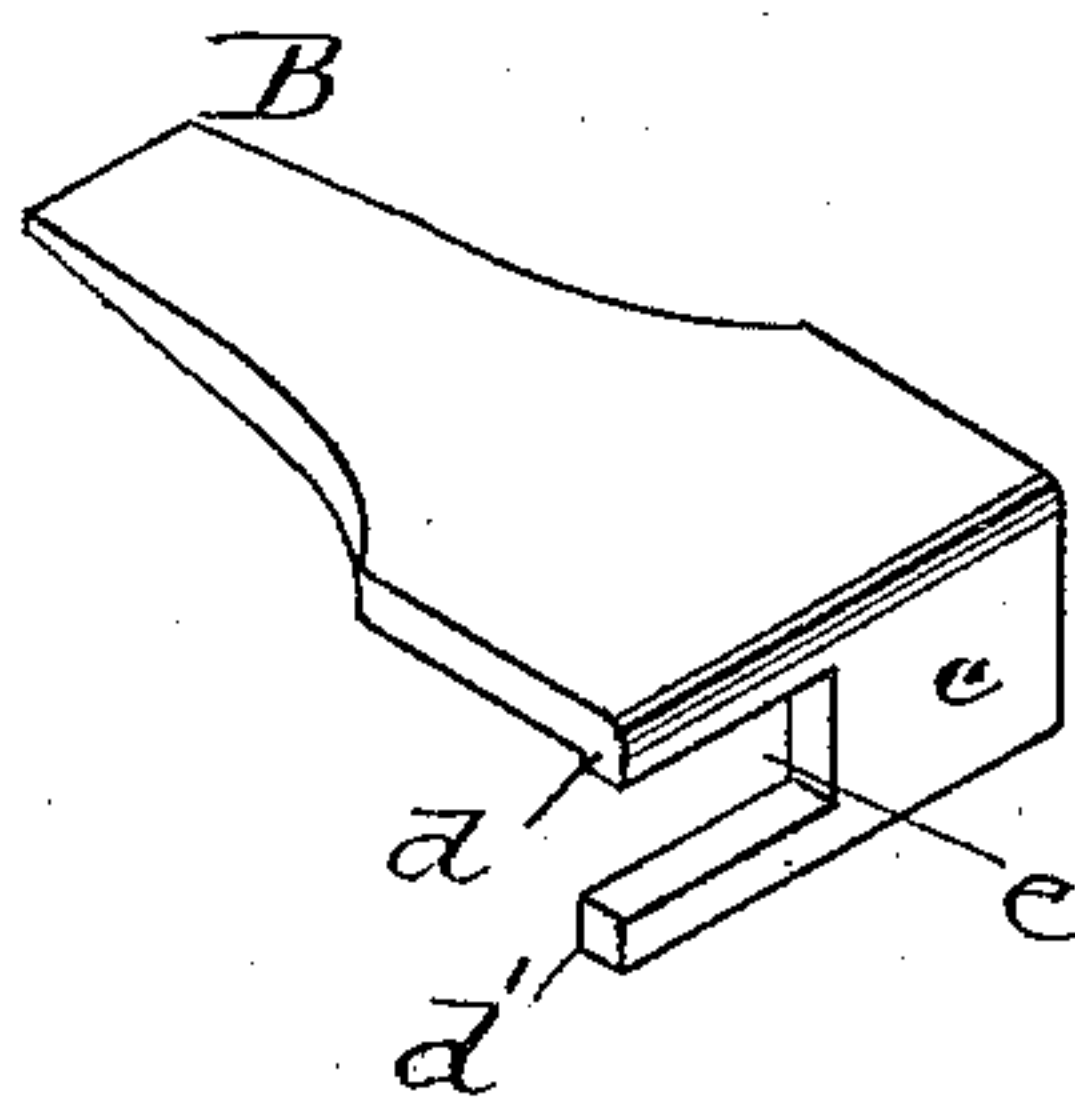


Fig. 5.

WITNESSES

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LEANDER D. JUNKINS, OF SOMERVILLE, MASSACHUSETTS.

MONKEY-WRENCH ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 432,945, dated July 22, 1890.

Application filed May 26, 1890. Serial No. 353,230. (No model.)

To all whom it may concern:

Be it known that I, LEANDER D. JUNKINS, of Somerville, in the county of Middlesex and State of Massachusetts, have invented certain
5 new and useful Improvements in Monkey-Wrench Attachments, of which the following, taken in connection with the accompanying drawings, is a specification.

My invention consists in so constructing
10 and combining with a monkey-wrench a screw-driver bit that the whole constitutes a very useful and convenient portable tool.

My invention is illustrated in the accompanying drawings, in which—

15 Figure 1 is a view in perspective of the screw-driver bit. Fig. 2 shows the same in connection with a part of the monkey-wrench. Fig. 3 shows in elevation a pocket monkey-wrench with my screw-driver bit attached.
20 The dotted lines in this view show the position of the screw-driver bit when not in use. Fig. 4 is an elevation showing a part of the monkey-wrench with the screw-driver bit clamped in a position at right angles to the
25 handle of the wrench. Fig. 5 is a perspective view showing a modified form of my screw-driver bit.

In the drawings, A represents a monkey-wrench, and A' the head-bar of the same.
30 This wrench is of ordinary construction, and need not be particularly described.

The screw-driver bit consists in a bit-edge B and bent arms C and C', each of the bent arms C and C' being bent to form buttress-tips DD', as shown. The bent arms C and C'
35 have an opening E between them large enough

to embrace the head-bar A' when placed as shown in Figs. 2 and 3—that is, in a position in which the screw-driver bit is in line longitudinally with the wrench. The recess E',
40 Fig. 1, is adapted to embrace the rear jaw when the screw-driver bit is placed at right angles with the wrench, as shown in Fig. 4.

When not in use, the screw-driver bit is turned back and secured to the wrench, as
45 shown by dotted lines in Fig. 3. When in this position, the whole may become a pocket-instrument.

In Fig. 5 I have shown a modified form of my instrument. In this form the buttress-
50 arms C D C' D' of Fig. 1 become the parts d d' of the modified form, and the recess E' corresponds to the recess e'. The method of using this and of attaching and detaching it from the wrench is so obvious as not to require any
55 explanation.

What I consider new, and desire to secure by Letters Patent, is set forth in the following claim:

The combination of a monkey-wrench A A' 60 with a screw-driver bit having buttress-arms adapted to embrace the head-bar of the wrench, substantially as and for the purpose set forth.

In testimony whereof I have signed my
65 name to this specification, in the presence of two subscribing witnesses, on this 24th day of May, A. D. 1890.

LEANDER D. JUNKINS.

Witnesses:

FRANK G. PARKER,
MATTHEW M. BLUNT.