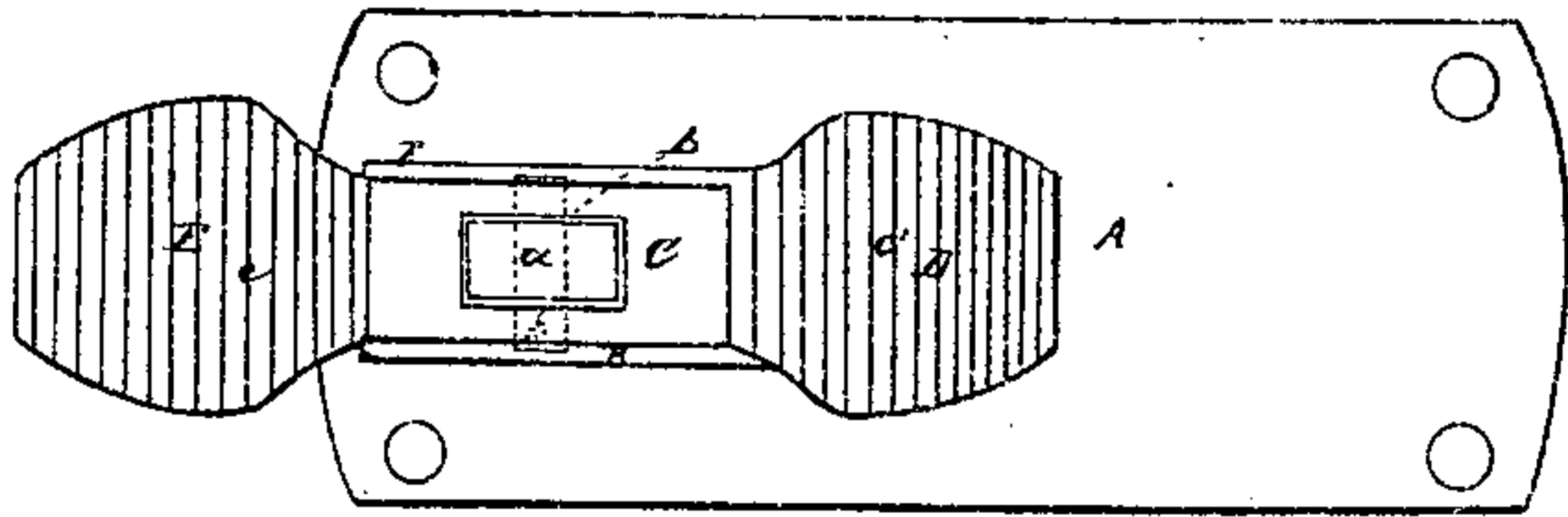
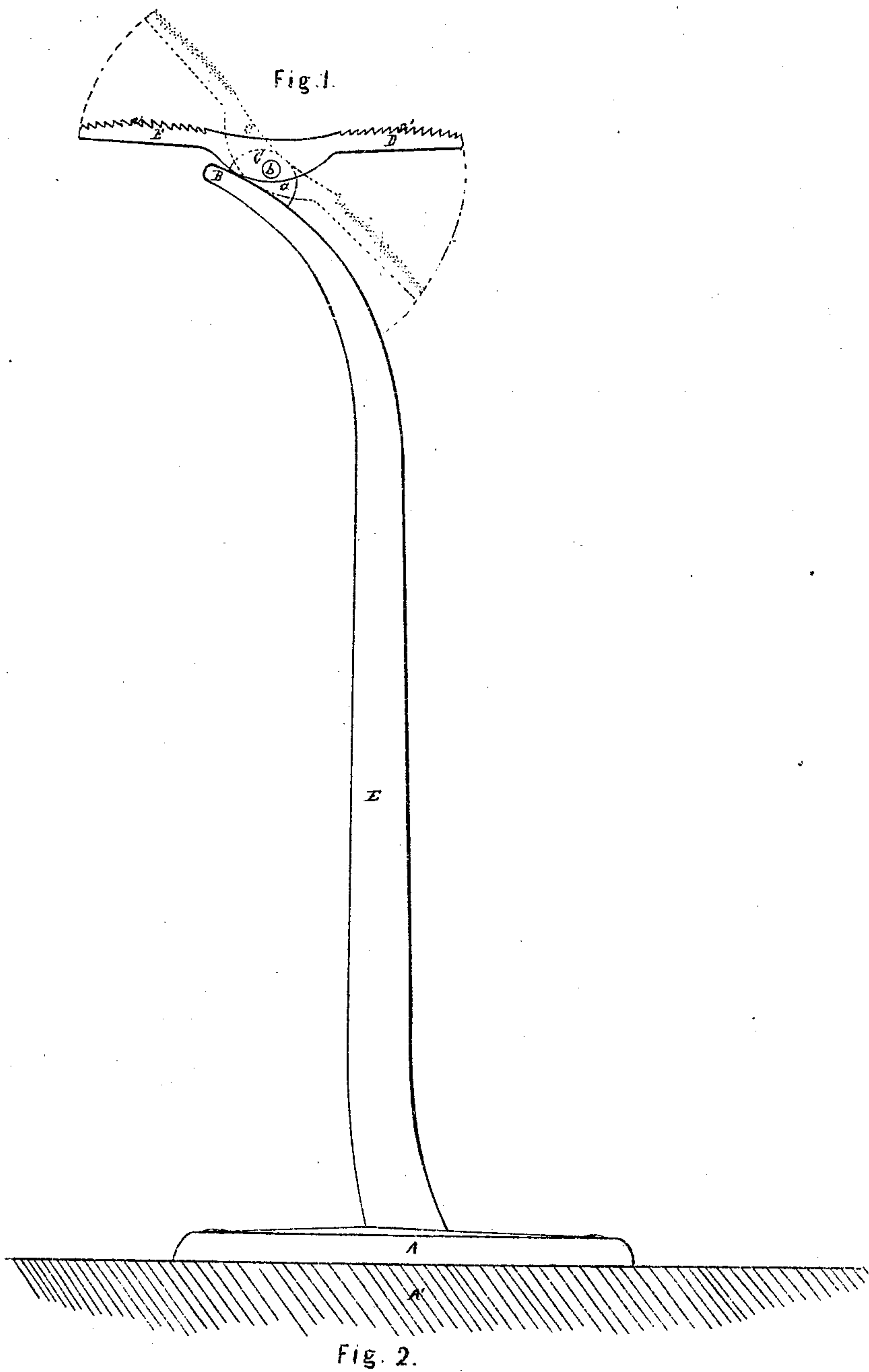


D.D. Allen.

Self Adjusting Peg Float.

Nº 9340.

Patented Oct. 19. 1852



UNITED STATES PATENT OFFICE.

D. D. ALLEN, OF ADAMS, MASSACHUSETTS.

TOOL FOR CUTTING PEGS OUT OF BOOT-SOLES.

Specification of Letters Patent No. 9,340, dated October 19, 1852.

To all whom it may concern:

Be it known that I, D. D. ALLEN, of Adams, in the county of Berkshire and State of Massachusetts, have invented a new and useful Improvement in the Tool for Cutting Pegs Out of the Soles of Boots, which improvement I denominate "Allen's self-adjusting peg floats or cutter;" and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1, is a side elevation of one of my peg floats attached to a bench, the float being shown in two different positions in black and dotted lines; showing the position it occupies when cutting the pegs in the front or toe portion of the boot in dotted lines and the position it occupies in black lines, when operating upon the heel portion. Fig. 2 is a top or birdseye view of the same detached from the bench, the float being in a horizontal position.

Similar letters of reference in each of the two figures indicate corresponding parts.

The nature of my invention consists, in making the peg float of the shank, capable of adjusting itself to any position desired so as to allow of its accommodating itself to the heel or toe portion of the boot as may be necessary, and thereby effectually cutting or breaking off all the sharp ends, (from the heel to the toe of the boot), of the pegs usually left protruding above the inner surface of the sole of the boot.

A, Fig. 1, represents the base upon which the shank B, rests and which is secured firmly to a bench or counter A'. The shank B, which is cast with and forming part of the base A, is made of a shape most suitable for the leg of the boot to rest upon during the operation of cutting out the pegs. This shank has cast on it, near its top, (as shown in the drawing;) a small projecting piece *a*, of nearly hemispherical shape, which projection *a*, serves as a standard or bearing for the pivot, or pin *b*, (which passes entirely through the center of the float), to turn in as the float, having two cutters, adjusts itself to either a horizontal or inclined position, during the operation of cutting out the pegs.

The float, C, as before stated, is attached to the part *a*, of the shank B, and turns loosely on the pin or pivot *b*. This float is, or may be made in the form represented in the figures of the drawing or of any other more suitable shape, and has a number of sharp teeth or cutters, *c*, *c'*, cut on its face or on the top surfaces of the two wings D, E, of the same, in the manner represented: the teeth *c'*, of the wing D, being cut the reverse of those *c*, of the wing E, so as to allow of one cutting forward, and the other backward, or one cutting the pegs out of the toe portion of the boot and the other the heel.

The float C, as will be seen by referring to the drawings (shown in dotted lines in an inclined position,) is so constructed or may be of such shape that it will always rest or bear on the curved part of the shank B, whether it be in the inclined position shown in dotted lines or in the horizontal position shown in full black lines. The direction in which the float C is capable of moving when being used, is indicated by an arc of a circle in dotted lines.

The advantages effected by the use of my improved float over other tools in use, for cutting pegs out of boots, are these viz: When my improved adjustable float is secured to or cast with the shank, and the shank attached to a bench or counter, and a boot, having pegs to be cut out, put on to it, and also moved back and forth, the sharp ends of the pegs can be cut or broken off, from the toe to the heel with very little labor, and in the most effectual and perfect manner, and also in a very short space of time. Whereas by the ordinary method, it is a very tiresome job, to cut off the sharp ends of the pegs, from heel to toe, and also a job that is seldom done perfectly, owing to the tools in use, not being capable of cutting in both directions, at the same time, and also in not being adjustable. It requires, by the ordinary method of cutting out pegs, two or three different tools to accomplish the work tolerably well, and also considerable time and labor, and indeed after all the tools have been used it is done but very imperfectly; and very often boots are brought back to the makers' to have the pegs cut or broken off a second time.

Having thus fully described the nature of

my invention, I will now state what I claim as new and desire to secure by Letters Patent.

I claim the adjustable float or cutter C,
5 D, E, connected to a shank B, by means of the pin or pivot *b*, which turns loosely in the bearing or standard *a*,—so as to permit the

float to adjust itself to the proper positions to cut the pegs from the heel to the toe of the boot in the manner herein set forth.

D. D. ALLEN.

Witnesses:

HENRY J. BLISS,
M. G. FARNSWORTH.