

A. WHITTEMORE.
Peg-Cutters.

No. 157,145.

Patented Nov. 24, 1874.

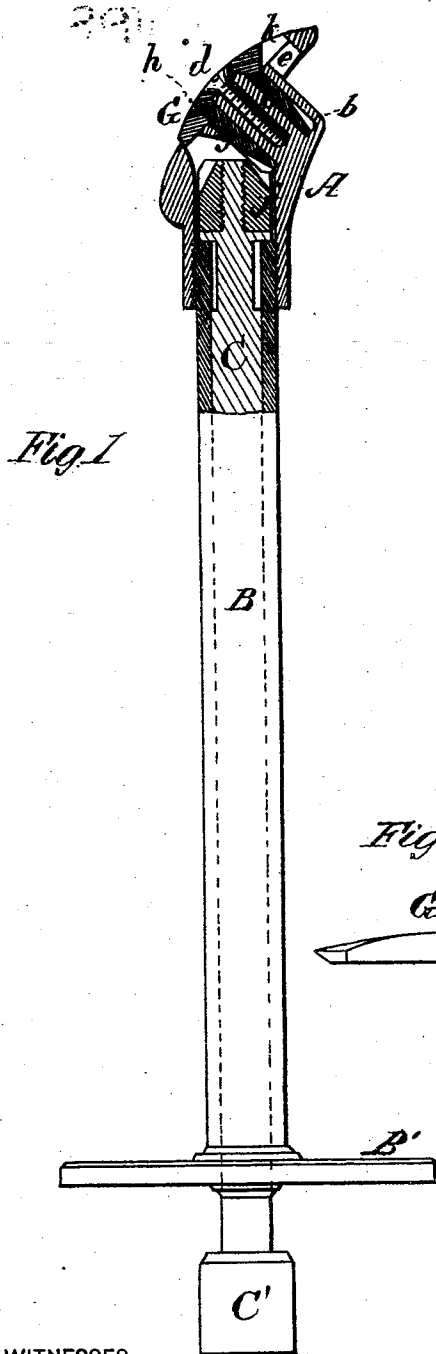


Fig. 1

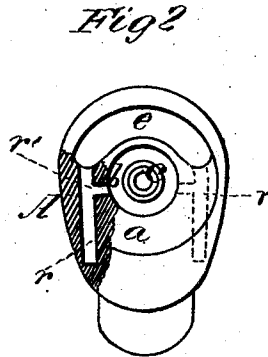


Fig. 2

Fig. 3

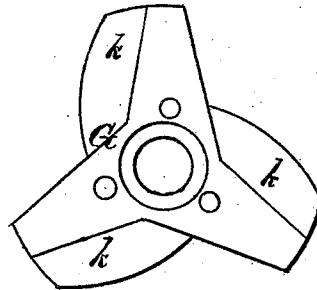


Fig. 5

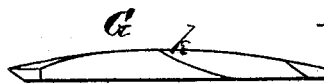
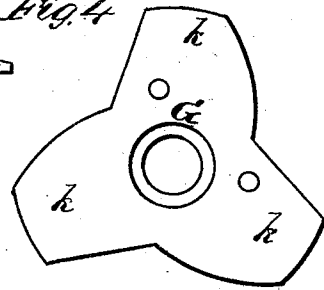


Fig. 4



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AMOS WHITTEMORE, OF CAMBRIDGEPORT, MASSACHUSETTS.

IMPROVEMENT IN PEG-CUTTERS.

Specification forming part of Letters Patent No. **157,145**, dated November 24, 1874; application filed September 19, 1874.

To all whom it may concern:

Be it known that I, AMOS WHITTEMORE, of Cambridgeport, in the county of Middlesex and State of Massachusetts, have invented a new and valuable Improvement in Peg-Cutters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawing is a representation of a sectional view of my peg-cutter. Fig. 2 is a top view. Figs. 3, 4, and 5 are detail views of the same.

This invention has relation to devices for cutting pegs out of boots and shoes wherein rotary cutters are employed; and it consists in a revolving self-clearing cutter-head, provided with two or more blades having convex bearing-surfaces, and so formed as to make a draw-cut, as will be hereinafter explained.

In the annexed drawings, A designates the cutter-stock, which is shaped somewhat like a shoe with the sole turned upward and inclined, as shown in Fig. 1. The upper side of the stock A has a circular recess, *a*, in it; also a central circular depression, *b*, in the center of which is a hub, *c*, having a screw-threaded hole to receive a screw, *d*. There is also a hole, *e*, through the upper portion of the stock A, for the purpose of allowing a free escape of the bits of pegs. The stock A is constructed with a hollow shank, to which a tubular standard, B, is rigidly secured, having a flanged base, B'. Inside of the standard B is a spindle, C, carrying a belt-pulley, C', on its lower end, and a bevel spur-wheel, *f*, on its upper end. Wheel *f* engages with a spur-wheel, *g*, which is in the recess *b*, and which has studs *h* on its upper end; also a beveled burr, as shown in Fig. 1. G designates my improved cutter-head, which is perforated to receive the studs *h*, and thus

allow it to be secured to the wheel *g*. The cutter-head and the wheel *g* are held in place by means of the screw *d*, above referred to. The cutter-head shown in the drawings is provided with three blades, *k k k*; but in practice more than three blades, or even two blades, would answer. The top of the cutter is convex, and the cutting-edge of each blade is curved and formed by under-beveling, as shown in Figs. 3 and 5. The bottom of the cutter-head is flat, and rotates on the flat bottom of the circular recess, so that during the operation of cutting out pegs the chips will be discharged through the hole *e*, and will not clog the cutter.

Among the advantages of my cutter over others for removing pegs is that it can be so easily sharpened on a flat stone.

It will be seen by reference to Fig. 2 that I provide for lubricating the parts by means of passages *r r'* formed in the stock A. The oil is put into the holes *r*, and by reason of the expansion of air in these holes the oil will be fed into the space *b* through the holes *r'*.

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

1. In a machine for cutting pegs, the convex rotary cutter-head G, provided with draw cutting-blades *k*, beveled and rounded, substantially as described, and applied in a stock.

2. The cutter-stock A, constructed with a circular recess, *a*, circular depression *b*, hub *c*, and the escape-hole *e*, in combination with the rotary cutters, substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

AMOS WHITTEMORE.

Witnesses:

F. J. MASI,

H. C. HOLLINGSHEAD.