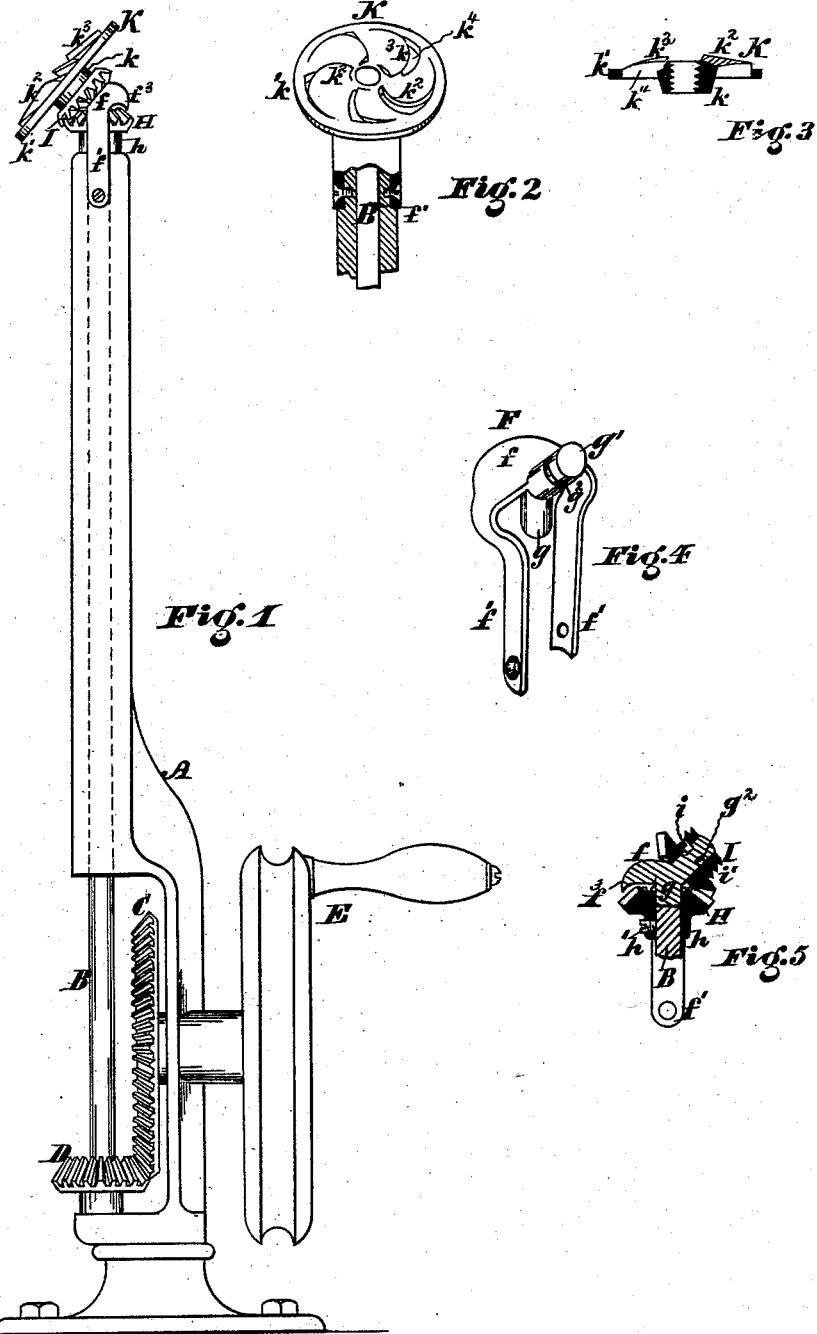


E. DICKINSON.
Peg-Floats.

No. 214,555.

Patented April 22, 1879.



WITNESSES:

Saml. J. VanStavoren
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INVENTOR,

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By Connolly Bros, ATTORNEYS.

UNITED STATES PATENT OFFICE.

EMANUEL DICKINSON, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN PEG-FLOATS.

Specification forming part of Letters Patent No. **214,555**, dated April 22, 1879; application filed August 22, 1878.

To all whom it may concern:

Be it known that I, EMANUEL DICKINSON, of Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Peg-Cutters; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification, in which—

Figure 1 is a side elevation of my improvements. Fig. 2 is a front elevation of the cutter and a broken sectional view of the supporting-standard. Fig. 3 is a vertical section of the cutter; Fig. 4, a perspective of the yoke; and Fig. 5 is a vertical section of yoke and attached gearing.

My invention consists in the peculiar construction and combination of parts, hereinafter set forth, having reference particularly, first, to the construction of the cutter; second, to the combination and arrangement of the gearing whereby motion is conveyed from the main driving-shaft to the cutter.

Referring to the accompanying drawings, A indicates a stand, in which is mounted a vertical shaft, B. C and D are gear-wheels for giving motion to said shaft from a handle, E, or equivalent treadle. F is a yoke, composed of the cross-piece *f* and depending side pieces, *f*¹ *f*², the latter having openings for the passage of screws, which enter the standard A near its upper end, so as to retain said yoke thereon. *g* is a vertical stud or stem depending from the cross-piece *f*, and *g*¹ is an inclined stud or stem projecting in an upward direction from said cross-piece. H is a beveled-gear wheel, which turns loosely on the stem *g*, its hub *h* being fastened by a set-screw, *h*¹, to the shaft B. I is another beveled-gear wheel, meshing with the wheel H and driven therefrom. Said wheel I turns loosely on the stem *g*¹, being prevented from sliding off said stem by a pin or screw, *i*, which enters an annular groove, *g*². The hub *i*¹ of the wheel I is threaded to receive the hub *k* of the cutter K, the latter being formed with an internal left-handed screw.

Said cutter is composed of the hub *k* and a

rim, *k*¹, between which two parts are located the cutting-blades *k*² *k*². Said blades are elevated or thrown out, as shown, so that their cutting-edges *k*³, which form radial curves, are above the plane of the rim *k*¹. A space, *k*⁴, or opening, is thus left below each cutting-edge for the passage through the cutter of the chips, shavings, or portions of the pegs removed by such cutter.

The operation is simple and obvious. The handle E being duly turned, the cutter K is thereby rapidly rotated. Coming in contact with the projecting ends of the pegs in any boot or shoe being operated upon, such ends are instantly cut off, and pass through the openings *k*⁴, dropping down and out of the way.

The cross piece *f* may be formed with a lip, *f*³, which will serve to protect the gear-wheels H I from the peg-cuttings.

The rim *k*¹ operates as a guard, preventing the blades *k*² from coming in contact with the upper of the boot or shoe, and thereby preserving the same from injury.

I have spoken of the various parts of the cutter—viz., the hub, rim, and blades; but in practice I design making these all in one piece.

What I claim as my invention is—

1. The peg-float cutter K, composed of the hub *k*, rim *k*¹, and curved radial blades *k*² *k*², and having the slots or passages *k*⁴, said cutter, with its blades, being constructed in one piece, as described and shown.

2. The yoke F, having cross-piece *f*, with vertical depending stem *g* and an inclined projecting stem, *g*¹, substantially as shown and described.

3. The combination, with standard A and shaft B, of yoke F, with inclined and vertical stems *g* *g*¹, gear-wheels H I, and cutter K, the parts being constructed and combined for operation substantially as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 12th day of August, 1878.

EMANUEL DICKINSON.

Witnesses:

S. J. VAN STAVOREN,
CHAS. F. VAN HORN.