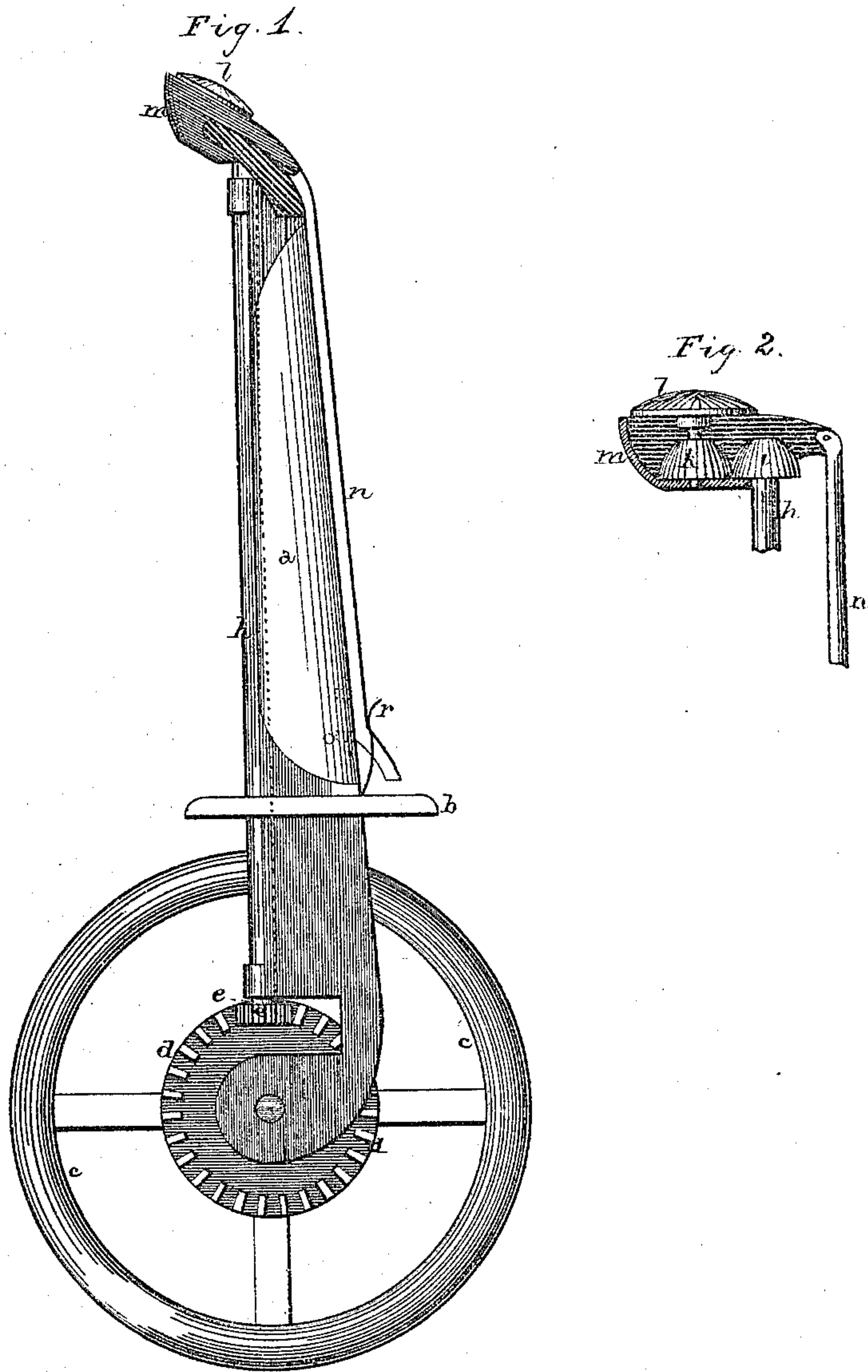


N. S. WAKEFIELD.

Peg-Cutters for Boots and Shoes.

No. 134,449.

Patented Dec. 31, 1872.



Witnesses.  
Alex Davidson  
Wm. J. Harrison

Inventor.  
Nathan. S. Wakefield  
Per H. J. Abbott  
Atty.

# UNITED STATES PATENT OFFICE.

NATHAN S. WAKEFIELD, OF CAMDEN, NEW YORK.

## IMPROVEMENT IN PEG-CUTTERS FOR BOOTS AND SHOES.

Specification forming part of Letters Patent No. 134,449, dated December 31, 1872.

*To all whom it may concern:*

Be it known that I, NATHAN STOEL WAKEFIELD, of town of Camden, in the county of Oneida and State of New York, have invented certain new and useful Improvements in Peg-Cutters for Boots and Shoes; and I do hereby declare that the following is a full, clear, and exact description thereof, that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing and to the letters of reference marked thereon which form a part of this specification.

My invention relates to that class of machines for cutting the pegs from boots and shoes; and consists in a rotary cutter, which is secured in a hinged frame so that it can be adjusted to different angles, so as to more effectually operate over all parts of the sole.

Figure 1 is a side elevation of my improvement; Fig. 2, a detail sectional view of the same, showing the gearing by which the cutter is driven.

*a* represents a metal standard, provided with the flange or ear *b* for securing it to a table or other suitable support. Journaled in the lower end of this standard is a driving-wheel, *c*, provided with cogs *d* upon its face so as to mesh with the pinions *e*, which is secured to the lower end of the shaft *h*. This shaft is secured to the standard, and has a rounded or conical cog, *i*, secured to its top, which meshes with and gives motion to the gear *k*, and through this gear and its shaft to the rotary cutter or bur *l*. This cutter is journaled in the hinged frame *m*, which is secured to the top of the standard,

so that by means of the lever *n* the cutter can be made to work horizontally or at an angle of about forty-five degrees. The lever *n* is provided with a small projection, *o*, which catches in a hole in the standard, and thus secures the hinged frame in the desired position, the spring *r* preventing it from accidentally slipping out.

In all of the peg-cutters now in use the cutter is placed in a stationary bearing, which allows it to work to an advantage in some positions, but not all.

In making the bearing adjustable, I am enabled to make a clean sweep around the whole sole, and so remove every peg in a much shorter time.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The automatic revolving cutter *l*, arranged in a hinged frame, substantially as set forth and specified.

2. The hinged frame *m* having revolving cutter *l* provided with gear-wheel *k*, in combination with shaft *h* provided with cogs *i*, substantially as and for the purpose specified.

3. The hinged frame, cutter, and wheels *c d e i k*, when all are combined as set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 30th day of October, 1872.

NATHAN STOEL WAKEFIELD.

Witnesses:

W. W. WILLIAMS,  
QUINCY BARBER.