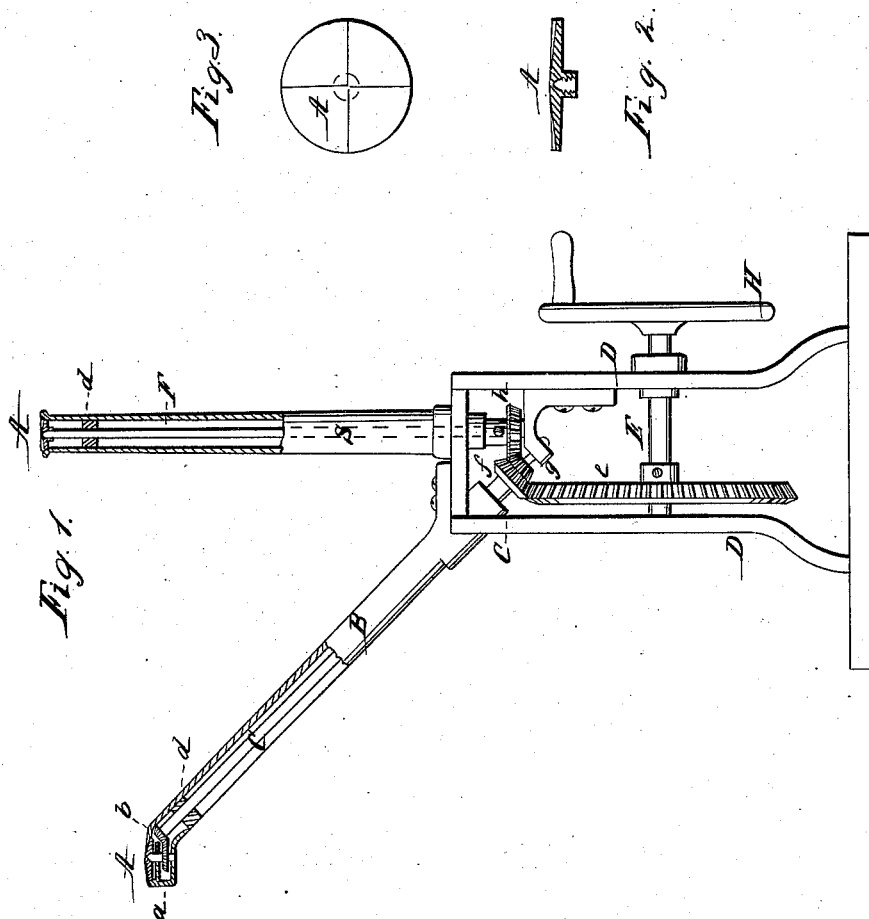


*T. Corey,*  
*Shoemakers' Tool.*  
*Nº 54,692.*                      *Patented May 15, 1866.*



*Witnesses:*  
*J. S. Coombs*  
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# UNITED STATES PATENT OFFICE.

THOMAS COREY, OF MARLBOROUGH, MASSACHUSETTS.

## MACHINE FOR CUTTING PEGS OUT OF BOOTS AND SHOES.

Specification forming part of Letters Patent No. 54,692, dated May 15, 1866; antedated November 15, 1865.

*To all whom it may concern:*

Be it known that I, THOMAS COREY, of Marlborough, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Machinery for Cutting Off the Ends of Pegs in Boots and Shoes; and I hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings.

The nature of my invention consists in so arranging a rotary cutter for the purpose of cleaning pegs from the inside of boots and shoes that it may be acted upon by suitable mechanism in such a manner as to give it a quick rotary motion while it is inside the boot or shoe, at the same time that the boot or shoe is being moved from heel to toe or toe to heel by the operator.

In the accompanying drawing, Figure 1 is an elevation, partly in section, of my improved machine, and Figs. 2 and 3 are sectional and plan views of the rotary cutters therein used.

A is the rotary cutter, provided with four or more cutting-edges on its upper surface, as represented in the drawings.

The cutter A is fitted into a recess formed in the upper side of the extreme outer end of the hollow arm or "horn" B, so that only its cutting-edges will project above the metal surrounding it. It also has on its lower side a hub projecting downward and fitting into a hole provided as a bearing for it in a metal plate in which the recess is formed to receive the cutter. To the under side of this hub is attached a small bevel-wheel, *a*, which is acted upon by the bevel-pinion *b* on the upper end of the shaft *c*. Said shaft has its upper bearing in the boss *d*, riveted by a shank to the casing or horn B. The lower end of the shaft *c* is coupled to the larger shaft C, having its bearings in the main frame of the machine D, and receiving its motion from the main driving-shaft E by means of the bevel-wheel *e* and pinion *f*. The shaft C also carries the bevel-wheel *g*, which, gearing with bevel-wheel *h*, carries the vertical shaft F, on the top of which is keyed another cutter to be used for cutting the pegs around the heel of the boot or shoe.

The operation of my machine is as follows: Power being applied to the pulley or wheel H by means of a belt or otherwise, as may be convenient, the cutter will rotate rapidly. The boot or shoe to be cleaned is drawn over the horn B in such a manner as to insert the horn inside of the boot or shoe with the face of the cutter bearing on the inner sole and the side of the casing surrounding the cutter pressed against the upper leather so as to bring the pegs directly over the cutter. Then, with a slight pressure upon the boot, it is moved from shank to toe and from toe to shank, effectually removing the pegs from that portion of the boot. The boot is then removed from the horn B and placed upon the arm or horn S in the same manner, and operated in the same way to remove the pegs from the heel.

Having thus described my invention, I claim—

1. The arrangement, in a machine for removing pegs from the inside of boots and shoes of cutters, in combination with suitable mechanism for imparting rotary movement thereto, substantially as shown and described.

2. In combination with cutters and machinery for imparting rotary movement thereto, the frame provided with vertical and oblique arms or horns, substantially as and for the purpose set forth.

3. So constructing the arms or horns of the frame as to inclose and surround the cutters and mechanism rotating the same, leaving only the cutting-edges of the former to project, as shown and described.

4. The arrangement of the rotary cutters in relation to their respective driving machinery and horns or arms, so that they shall revolve on vertical axes, substantially as set forth.

In testimony whereof I have signed my name to this specification before two subscribing witnesses.

THOMAS COREY.

Witnesses:

E. HEIDENREICH,  
E. W. BRIGHAM.