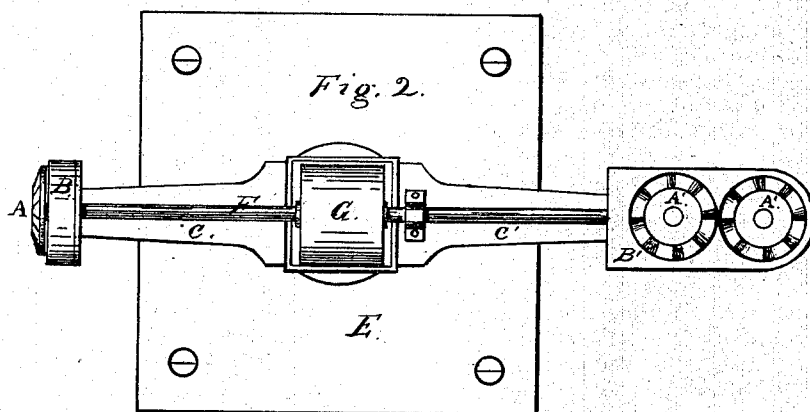
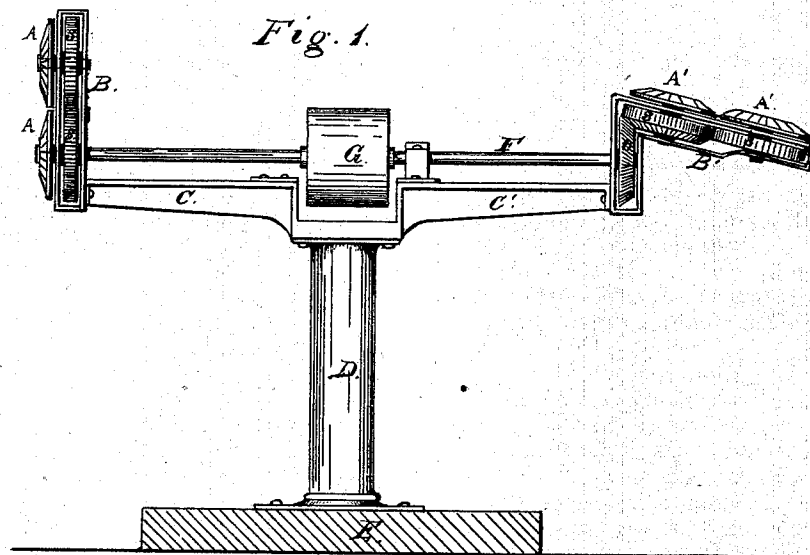


J. D. VINNEDGE.

Machines for Cutting out Pegs.

No. 139,441.

Patented May 27, 1873.



Witnesses.

Sam. H. Knefler
O. F. Mayhew

Joseph D. Vinnedge Inventor.

UNITED STATES PATENT OFFICE.

JOSEPH D. VINNEDGE, OF INDIANAPOLIS, INDIANA.

IMPROVEMENT IN MACHINES FOR CUTTING OUT PEGS.

Specification forming part of Letters Patent No. 139,441, dated May 27, 1873; application filed April 1, 1873.

o all whom it may concern:

Be it known that I, JOSEPH D. VINNEDGE, of Indianapolis, in the county of Marion and State of Indiana, have invented a certain Device for Cutting Off the Ends of Pegs Projecting from the Inside of the Soles of Boots and Shoes, of which the following is a specification :

My invention relates to device for rapidly and effectively cutting off the ends of pegs that project through the soles into the interior of boots and shoes; and it consists in a series of cutting-disks arranged on projecting arms in such manner as to be readily inserted into the boot or shoe and brought into contact with all parts of inner surface of the sole; said cutters being rotated by means of a suitable gearing operated by hand or power, as may be desired.

Figure 1 is a side elevation of a machine for cutting pegs from the interior surface of the soles of boots and shoes, embodying my invention.

The drawing is made with the sides of the cases containing the gearing removed, so as to show more clearly the arrangement for operating the cutters.

Fig. 2 is a top view of the same. A A' are cutters having their exposed surfaces serrated similar to an ordinary shoe-float. These cutters are fixed on the journals of cog-wheels S S S S that are housed in cases B B' fixed to the outer ends of horizontal arms C C'. The arms are supported by an upright post, D, that is firmly secured at the foot to the floor E. The cutters A, attached to the cog-

wheels S in the upright case, are arranged as shown for the purpose of cutting the pegs from the heel and shank, and the cutters A' are arranged on an inclined case adapted to cut the pegs in the toe and forward part of boots and shoes.

It will be readily understood that the boot or shoe must be moved so as to bring the row of pegs into contact with the cutters.

The cutters A' are operated by means of a bevel-wheel, O, on the end of the horizontal shaft F, that gears with one of the cog-wheels S. The cutters A are operated by the same shaft, on the end of which the lower cog-wheel S is fixed. G is the driving-pulley. The machine may be operated by hand or power. The cog-wheels S S S S and O are inclosed in the cases B B', so as to prevent their injuring the upper leather of the boot or shoe.

I claim as my invention—

1. The arrangement of the double cutters A A' attached to the opposite ends of the horizontal arms C C', operated by the drum-shaft F, bevel-wheel O, and the incased gearing S S S S, substantially as shown and described.

2. In a peg-cutting machine, the frame, consisting of the upright post D, horizontal arms C C', with the housed gearing-cases B B', attached to the outer ends of said arms, constructed and arranged as specified.

JOSEPH D. VINNEDGE.

Witnesses:

DAN. W. KNEFLER,
O. F. MAYHEW.