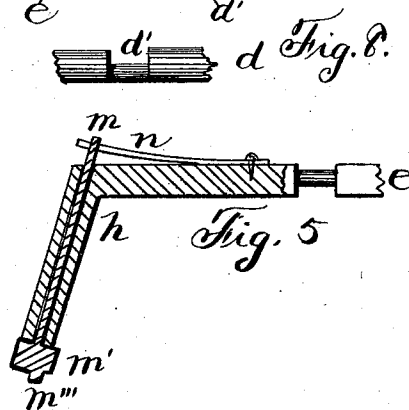
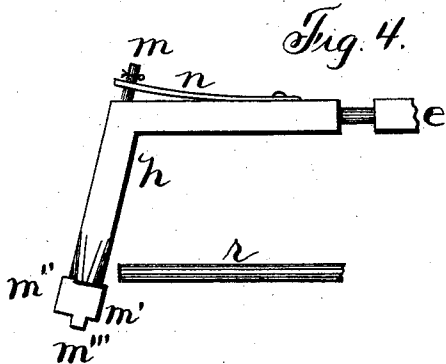
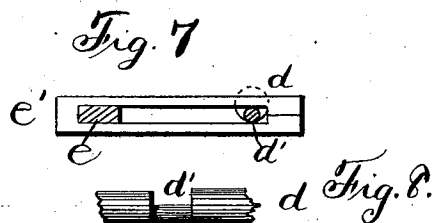
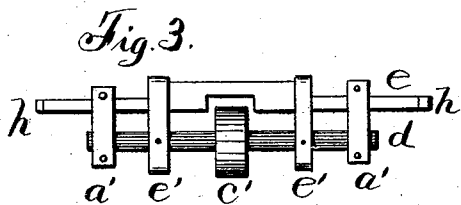
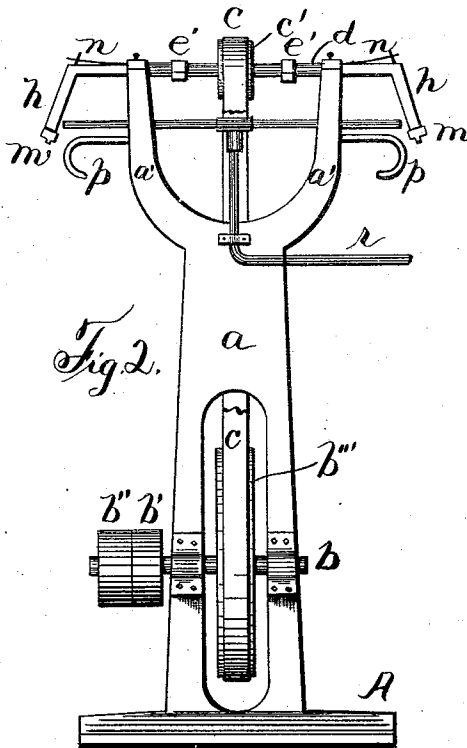
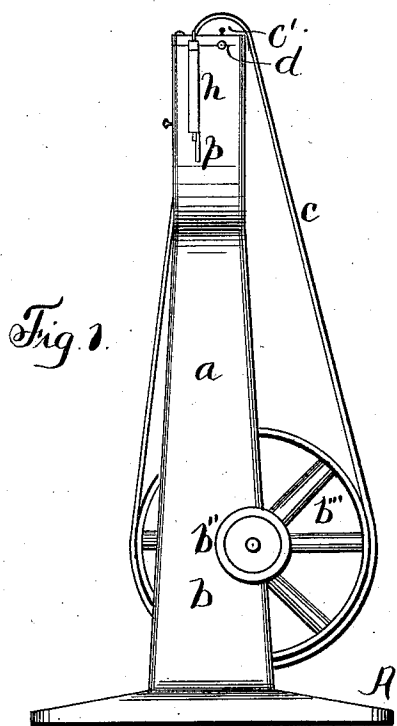


(No Model.)

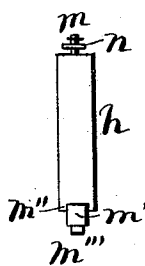
J. W. BRAYMAN.
EDGE SETTING MACHINE.

No. 531,620.

Patented Jan. 1, 1895.



WITNESSES:
Charles. H. Marvin.
M. M. Borst.



INVENTOR
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BY
Smith & Dennisow
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN W. BRAYMAN, OF SILVER SPRINGS, NEW YORK.

EDGE-SETTING MACHINE.

SPECIFICATION forming part of Letters Patent No. 531,620, dated January 1, 1895.

Application filed March 15, 1894. Serial No. 503,678. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. BRAYMAN, of Silver Springs, in the county of Wyoming, in the State of New York, have invented new and useful Improvements in Edge-Setting Machines, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

My invention relates to edge-setting machines, used in the manufacture of shoes.

My object is to produce an edge-setter, in which the edge-iron is vibrated rapidly, back and forth; and in which the edge-iron is reversible, the iron being heated in the ordinary manner; and in which the edge irons are mounted in arms connected to a rock-shaft actuated by a cam or eccentric shaft, driven by power. It is constructed as follows, reference being had to the accompanying drawings, in which—

Figure 1, is a side elevation of the machine. Fig. 2, is a rear elevation thereof. Fig. 3, is a top plan of the rock-shaft, the cam-shaft and the connections whereby the rock-shaft is operated to vibrate the arms which carry the edge-irons. Fig. 4, is a front elevation of part of the rocking or vibratory shaft, and an edge iron mounted in an arm thereon. Fig. 5, is a vertical section of the same. Fig. 6, is an end elevation thereof. Fig. 7, is a sectional elevation of the rock-shaft, the cam-shaft, and the slotted connection. Fig. 8, is a detail of part of the cam or eccentric shaft.

A— is the base upon which the standard —a— is erected, bifurcated at its upper end to create the arms —a'— and otherwise adapted to permit the journaling of the drive shaft —b— upon which the drive-pulley —b'—, the loose pulley —b''— and the driven pulley —b'''— are mounted which through the belt —c— drive the pulley —c'— secured upon the shaft —d—. This shaft is cut away eccentrically as at —d'— and is journaled at its ends in the arms —a'—. A rocking or vibratory shaft —e—, is also journaled in said

arms, and is connected to the shaft —d— by the slotted bars —e'— in which slots the eccentrics —d'— have their bearings, so that the rotation of the shaft —d— vibrates these connecting bars as to their front ends and this vibrates the shaft —e—.

Arms —h— are secured to or are integral with the shaft —e— and in each arm the edge-iron —m— is mounted, having a head —m'— adapted to be held between the lips —m''— upon the lower extremities of these vibratory arms, and prevented from changing its position thereby, said head being provided with an oblong point —m'''— transverse to it. A spring —n— engages with the shank of said edge-iron, to hold said iron in place; but by pressing down upon said shank, its head is released from said lips, or jaw, and then said iron can be rotated to bring either the broad or the narrow face of said iron into use, as desired. Finger hooks —p— are mounted upon the arms —a'— in the usual manner. Also the irons are heated by means of the gas pipe —r— and its branches.

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

In an edge setter, a standard, a drive shaft, journaled thereon, an eccentric upon the shaft, a rock shaft journaled parallel to the drive shaft, a vertically oscillated arm secured at one end to the rock shaft and journaled at the other end upon said eccentric; vertical tubular tool holder secured at an angle to said rock shaft and provided with projecting lips and an edge iron mounted in said holder and having a head fitting between said lips and adapted to be removed from engagement therewith to be rotated.

In witness whereof I have hereunto set my hand this 23d day of December, 1893.

J. W. BRAYMAN.

In presence of—

C. D. EASTMAN,
R. B. BRAYMAN.