

(No Model.)

O. CYR.

HEEL BURNISHING MACHINE.

No. 283,381.

Patented Aug. 21, 1883.

Fig. 1.

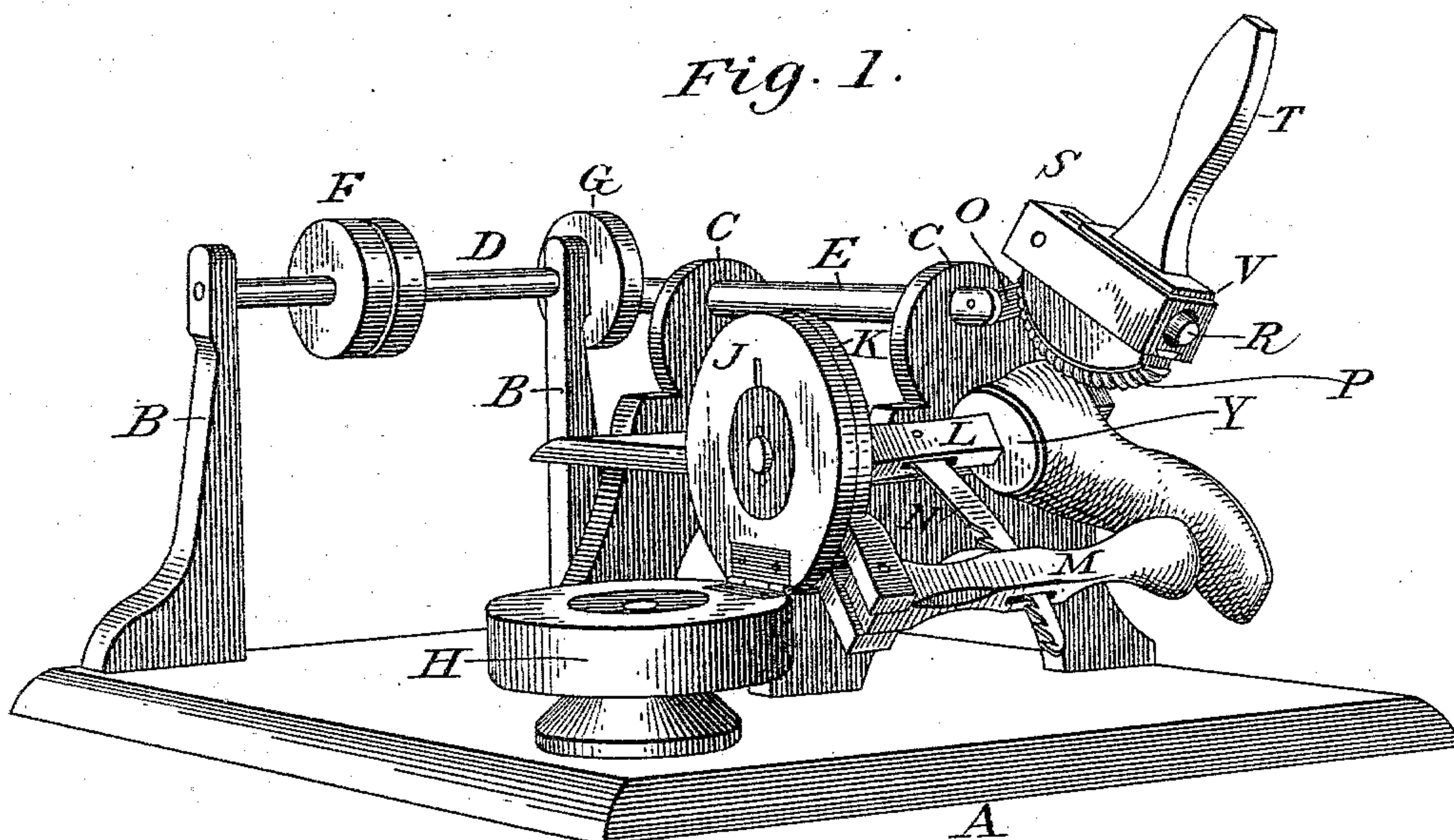
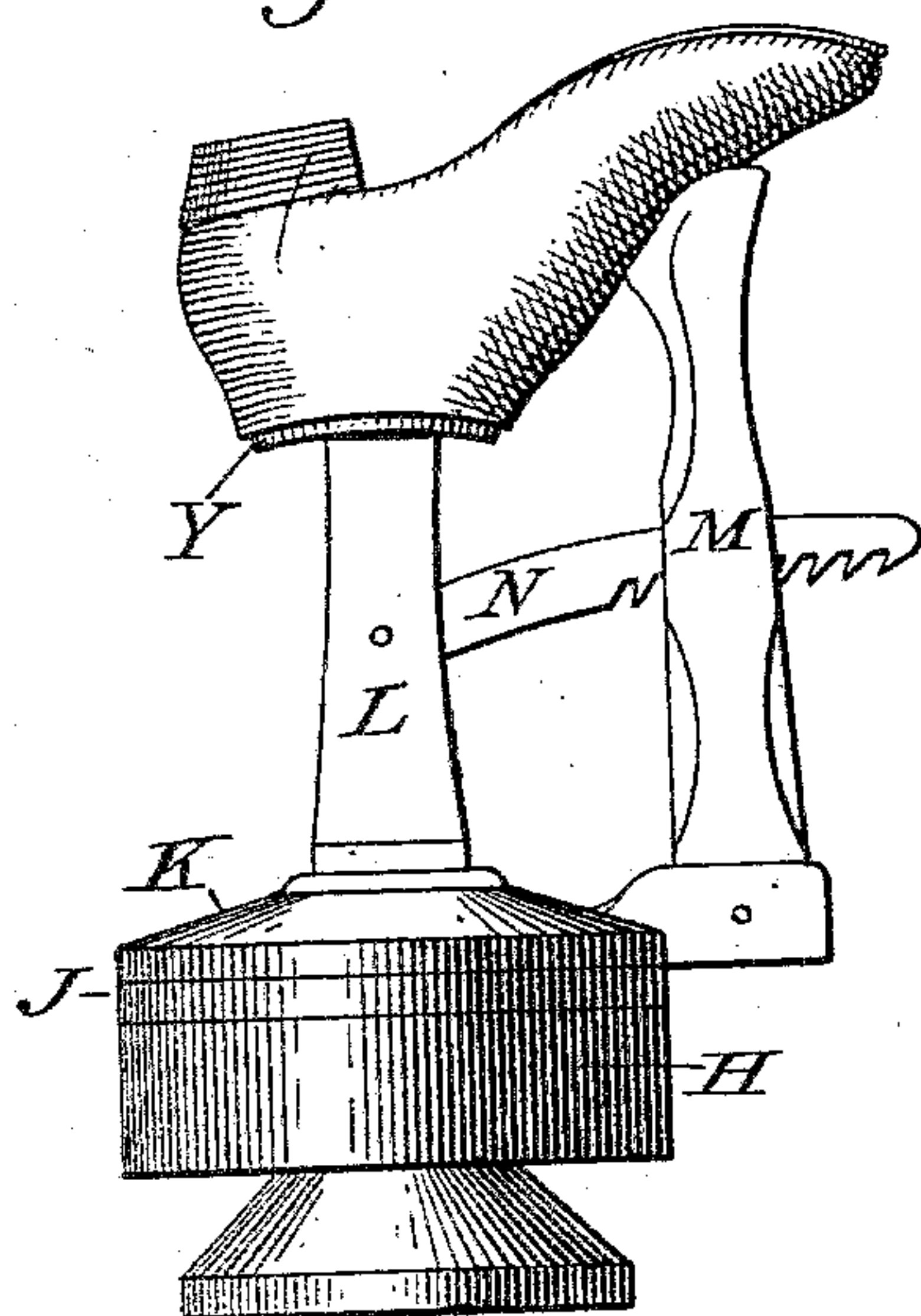


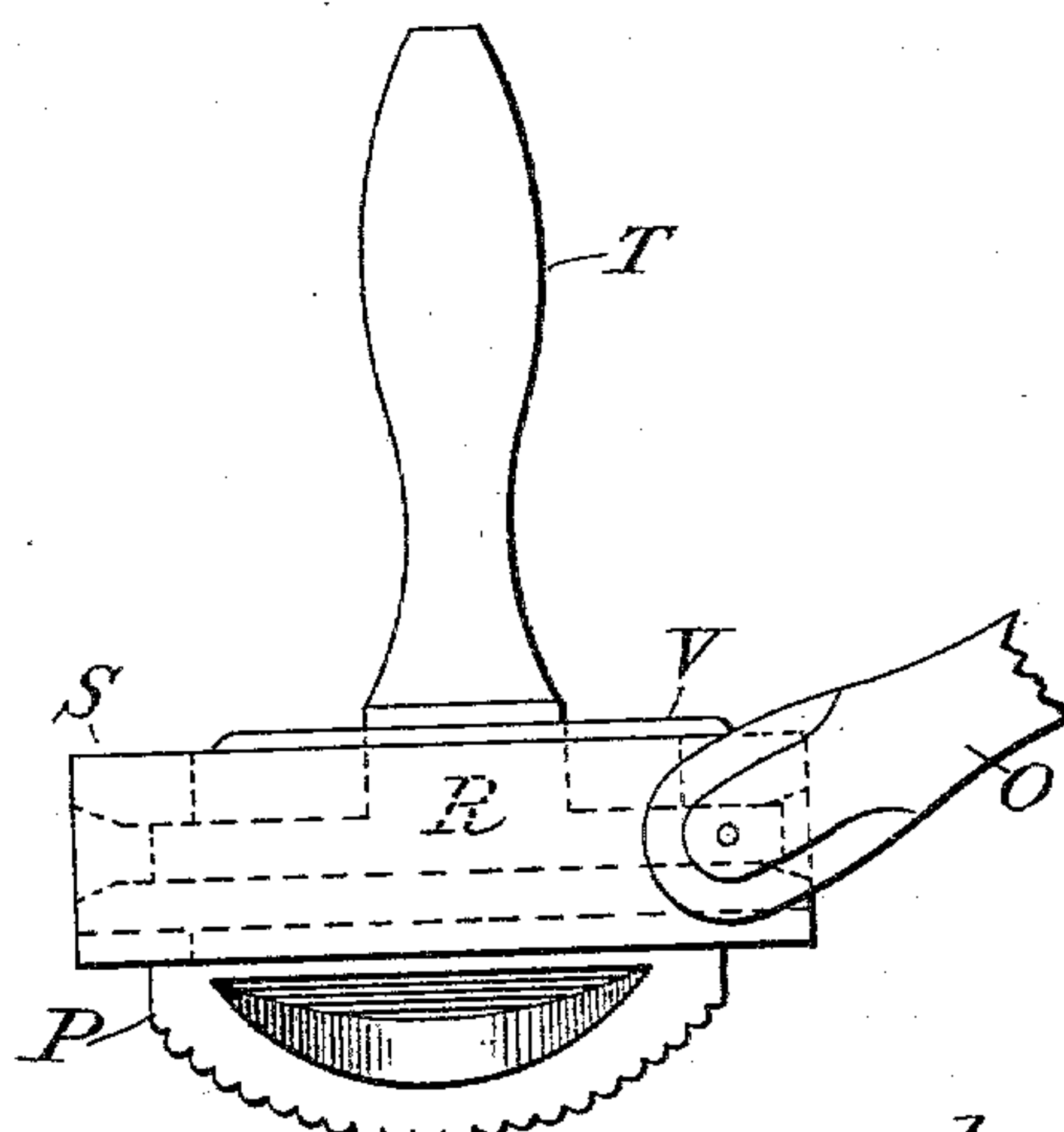
Fig. 2.



Witnesses:

Francis E. Pearl
Charles Abbott

Fig. 3.



Inventor.

Oliver Cyr

UNITED STATES PATENT OFFICE.

OLIVER CYR, OF HAVERHILL, MASSACHUSETTS, ASSIGNOR OF ONE-HALF
TO WILFRED L. CHARON, OF SAME PLACE.

HEEL-BURNISHING MACHINE.

SPECIFICATION forming part of Letters Patent No. 283,381, dated August 21, 1883.

Application filed January 10, 1883. (No model.)

To all whom it may concern:

Be it known that I, OLIVER CYR, a subject of Great Britain, residing at Haverhill, in the county of Essex and State of Massachusetts, have invented a new and useful Jack and Heel-Burnishing Machine Combined, of which the following is a specification.

My invention relates to improvements in jacks and heel-burnishing machines.

10 The objects of my improvements are, first, to provide a jack so constructed and combined with a heel-burnishing machine that the last, with the boot or shoe thereon, can be brought into any position desired by the operator for the purpose of burnishing the heel without removing the last from the jack, the toe-piece of the jack being movable and held in position by a ratchet for the purpose of using lasts of different sizes; and, second, to combine with a 20 jack a heel-burnishing iron driven by steam or other power, and furnished with a handle to enable the operator to guide its motion and increase or diminish its pressure on the heel.

25 The drawings accompanying this specification illustrate the mechanism by which the foregoing objects are accomplished. In said drawings, Figure 1 is a view of the entire machine adjusted for operation. Fig. 2 represents the jack detached from the rest of the machine 30 and in its normal position. Fig. 3 represents the burnishing-iron and holder detached from the rest of the machine.

Similar letters refer to similar parts in all of the figures.

35 The table A and the standards B B and C C constitute the frame-work of the machine.

H represents the base of the jack, which is fastened to the table A, and is immovable. The lower plate of the jack (marked J) is connected 40 with the base H at the side, so that the portion of the jack above the base can be tipped, as it appears in Fig. 1. The upper plate of the jack (marked K) is rotary, the base of the spindle L passing through its center and connecting it 45 with the plate J, upon which it turns.

L is the spindle. Its base passes through the center of the plates J and K. It is held in position by a pin at the bottom of the plate J. The top of the spindle L is so shaped that it 50 can be inserted in the hole in the last.

Y represents a last with a shoe thereon placed

on the head block and in process of manufacture. The toe-piece M is fastened to the plate K by a pin, and can be inclined in either direction for the purpose of using a longer or 55 shorter last. The top of the toe-piece is shaped to receive the toe of the last. The ratchet N is connected with the spindle L by a pin, is movable, and is designed to hold the toe-piece in position after it has been adjusted to receive 60 the toe of the last.

D is the shaft passing through the standards B B, by means of which power is applied. The shaft D may be driven by a belt passing around one of the pulleys F, which is connected with 65 the shaft D. One of the pulleys F revolves on the shaft D, and is designed to carry the belt when the power is not in use.

G is the fly-wheel at the end of the shaft D. The eccentric-rod E is attached to the fly-wheel 70 G. The rod E is broken between the standard C and the fly-wheel G, the two parts being united by a pin. The portion of the rod E near the fly-wheel G is curved to prevent its interference with the motion of the fly-wheel. 75 The straight part of the rod E slides through holes in the standards C C, and is connected by a pin with the rod O, which is also connected by a pin with the holder S. The rod O is curved to admit of the movement of the last 80 on the jack.

P is the burnishing-iron, which fits into a groove on the under side of the holder S. It may be held in position by a screw or plug. The burnishing-iron is concave on one side, to 85 admit the flame from a gas jet or lamp for heating it.

The burnishing-irons may be of different sizes and shapes, according to the work to be performed. The holder S has a groove in its 90 under side for the reception of the burnishing-iron P, and is hollow throughout, to admit of the motion of the round slide R when the machine is in use.

T is the handle, by means of which the operator guides the burnishing-iron and applies 95 pressure. The handle T is made to move readily on the holder S by means of the flat slide V, which moves on the top of the holder S, and the round slide R in the inside of the 100 holder S.

I am aware that prior to my invention jacks

with rotating and opening plates have been in use, and also heel-burnishers operated by steam or other power, and I do not claim jacks and heel-burnishers, broadly, as my invention; but

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

1. In a burnishing-machine, the jack having a rotary plate, K, a plate J, connected with the base H by a hinge at the side, a spindle,
10 L, set in the center of the plate K, a toe-piece, M, fastened to the plate K by a pin and held in position by a ratchet, N, all substantially as set forth.

2. A heel-burnisher, P, fixed in a holder, S,
15 moved by the rods E and O, connected with the fly-wheel G and the shaft D, and furnished with the handle T and the slides V and R, all substantially as set forth.

3. The combination, in a burnishing-machine, of a jack having a rotary plate, K, a
20 plate, J, connected with the base H by a hinge at the side, a spindle, L, set in the center of the rotary plate K, a toe-piece, M, fastened to the rotary plate K by a pin and held in position by a ratchet, N, with a heel-burnisher, P,
25 fixed in a holder, S, moved by the rods E and O, connected with the fly-wheel G and the shaft D, and furnished with the handle T and the slides V and R, all substantially as set forth.

OLIVER CYR.

Witnesses:

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JOHN A. PAGE.