

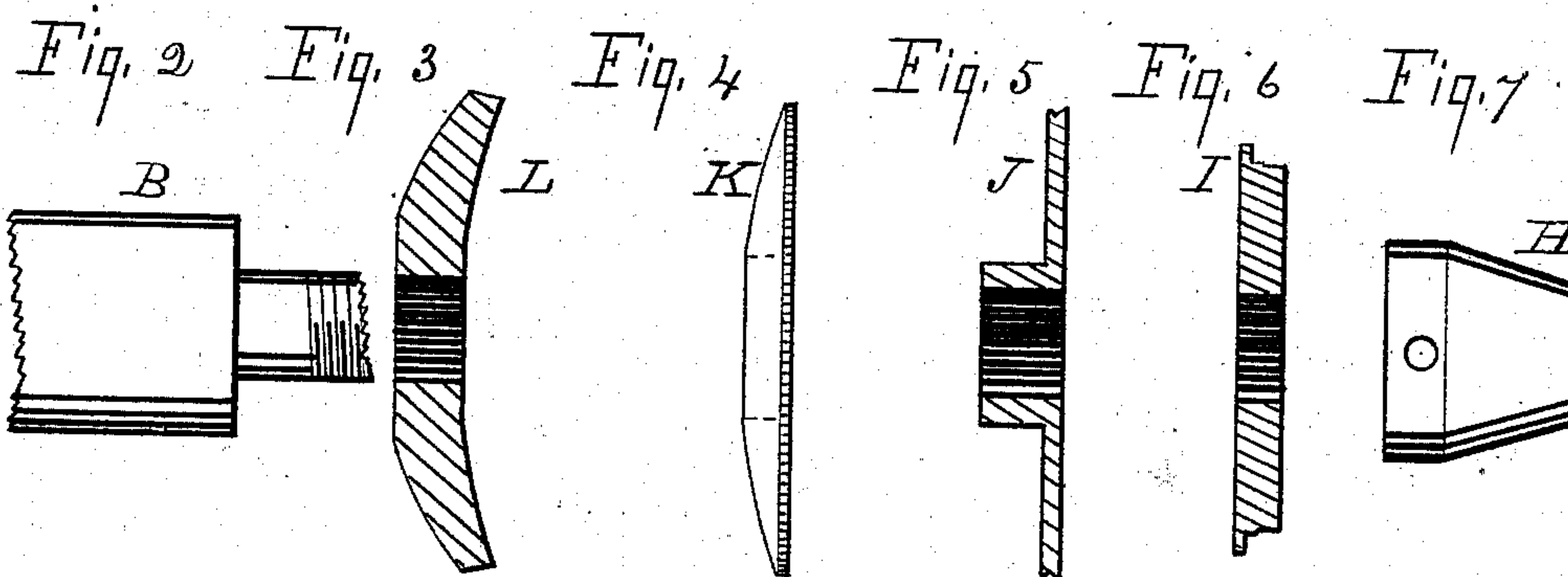
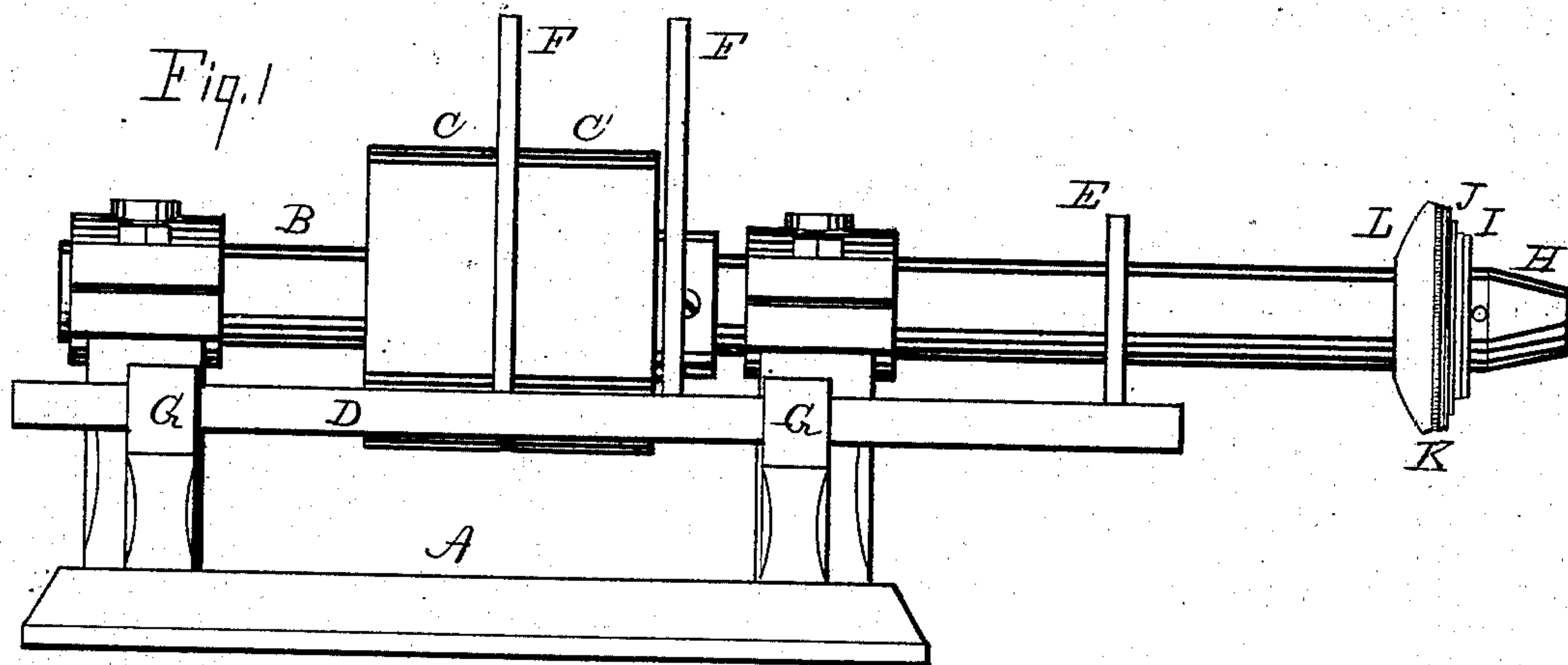
(No Model.)

C. J. WEINMAN.

SHOE HEEL BEADING MACHINE.

No. 284,349.

Patented Sept. 4, 1883.



WITNESSES

John Prantman
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UNITED STATES PATENT OFFICE.

CHRISTIAN J. WEINMAN, OF DAYTON, OHIO.

SHOE-HEEL-BEADING MACHINE.

SPECIFICATION forming part of Letters Patent No. 284,349, dated September 4, 1883.

Application filed April 5, 1883. (No model.)

To all whom it may concern:

Be it known that I, CHRISTIAN J. WEINMAN, a citizen of the United States, residing at Dayton, in the county of Montgomery and State of Ohio, have invented a certain new and useful Improvement in Shoe-Heel-Beading Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

My invention relates to a series of disks attached to a revolving shaft used in finishing the edges of boot and shoe heels; and it consists of a suitable frame to support the shaft and the necessary pulleys to communicate force to the same.

The objects are to bead the seat of the heel and burnish the upper and lower edges. I attain these objects by the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the shoe-heel-beading machine. Fig. 2 is the outward end of shaft of said machine. Fig. 3 is a section of the bearing-disk. Fig. 4 is a side view of the beading-disk. Fig. 5 is a section of the edging-disk. Fig. 6 is a section of the disk I. Fig. 7 is a side view of the locking-nut.

The draft is one-half the size of the practical machine, and the detailed drawings are full size.

Similar letters refer to similar parts throughout the several views.

A is a substantial iron frame, having two posts, in which the shaft B has its bearings. On the shaft, between the bearings, are the fixed pulley C and the loose pulley C'. A belt runs from a counter-shaft to the fixed pulley to rotate the shaft.

D is a belt-guide supported on the posts G, used to give motion to the machine or to arrest the same.

The end of the shaft is shouldered, and a screw-thread is cut on the same, as illustrated at B, Fig. 2. The several disks are placed on the shaft in the order of their illustration—

first, the bearing-disk L; second, the beading-disk K; third, the edging-disk J. These several disks are used for beading and burnishing the edge of the heel next to the upper, or the seat of the heel. The disk I is the last, and against which the lock-nut H bears. This nut is turned up tightly against the disk by a spanner. This causes all the disks to rotate with the shaft, with the exception of the serrated or beading disk, which rests loosely on the hub of the disk J, and is rotated when the operator places a shoe-heel against it by the movement given by said operator. While the operator holds, the disk J burnishes the edge, the bearing-disk preventing the beading-disk from making too deep an impression on the heel.

The top lift of heel is burnished by the disk I, which may have a plain notch or a slight elevation on the face, as represented.

Before operating the machine the disks are suitably heated in any convenient manner. In burnishing either the seat or top of the heel the operator holds the toe of the shoe in his right hand and the counter in his left, and the circular surface of the heel is firmly pressed against the revolving disks, as above specified.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is—

In a machine for beading boot or shoe heels, the bearing-disk L, the edging-disk J, provided with an annular notch and projecting hub, the beading-disk K, and the burnishing-disk I, all secured in place by a suitable lock-nut, H, the disks L, J, and I being rigidly secured to the shaft, and the beading-disk K being loosely mounted upon the hub of the disk J, as described, all being adapted to finish the edge of a boot or shoe, in the manner and for the purpose set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CHRISTIAN J. WEINMAN.

Witnesses:

B. PICKERING,
SUMNER T. SMITH.