

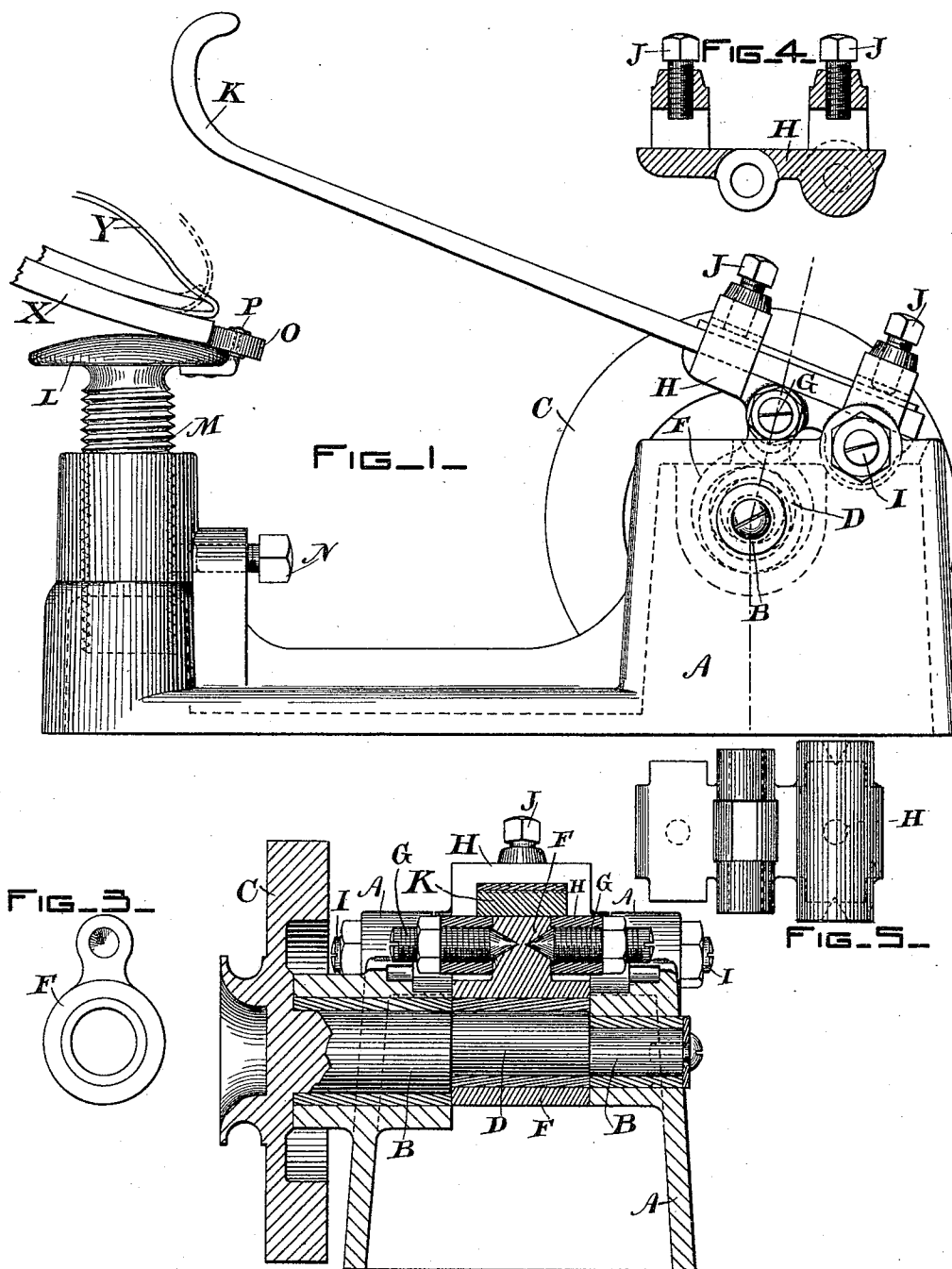
(No Model.)

F. F. FIELD.

MACHINE FOR HAMMERING DOWN THE EDGES OF INSOLES.

No. 463,447.

Patented Nov. 17, 1891.



WITNESSES:
A. C. Ome
N. L. Hayes

FIG. 2

INVENTOR:

Fred F. Field
by Bentley Knight

ATTYS.

UNITED STATES PATENT OFFICE.

FRED F. FIELD, OF BROCKTON, MASSACHUSETTS.

MACHINE FOR HAMMERING DOWN THE EDGES OF INSOLES.

SPECIFICATION forming part of Letters Patent No. 463,447, dated November 17, 1891.

Application filed December 11, 1890. Serial No. 374,298. (No model.)

To all whom it may concern:

Be it known that I, FRED F. FIELD, a citizen of the United States, residing at Brockton, in the county of Plymouth and State of Massachusetts, have invented a certain new and useful Improvement in Machines for Hammering Down the Feathers of Boots and Shoes, of which the following is a specification.

My invention relates to a machine for hammering down the feathers of shoes; and the invention consists in the matters hereinafter described, and referred to in the appended claims.

The accompanying drawings represent my improved machine, Figure 1 being a side elevation of the machine; Fig. 2, a cross-section through the shaft; Fig. 3, a detail of the eccentric-rod, and Figs. 4 and 5 further detail views of the hammer-holder.

A is a cast-iron frame having mounted therein a shaft B, which is provided with a driving-pulley C and an eccentric D. The eccentric-rod F is journaled on this eccentric and is pivoted at G to the hammer-holder H, which in turn is pivoted to the base at I. The hammer-holder is provided with two clamping-screws J, which serve as means for clamping the hammer K. The hammer K I may be made of spring-steel of about the shape shown—that is to say, with its end curved upward and backward, so as to form a curved surface for beating against the shoe.

L is an adjustable anvil for supporting the shoe under the hammer, and it may be adjusted at different heights by means of the screw-thread M, and clamped at any given height by a set-screw N. A roller-guide O on a pivot P serves to form a guide against which the edge of the sole of the shoe is pressed.

X represents the sole of the shoe and Y the

vamp, the full lines showing the vamp in its hammered-down position and the dotted lines showing the same before it is hammered down. The upper surface of the shoe support or anvil is rounded, and the roller is located at a point on the edge of the anvil eccentric thereto, by which arrangement the shoe may be held in such position that the blow of the hammer will give the desired effect in the best manner.

It will be understood that the operator moves the shoe around, keeping the sole against the roller-guide and causing each part of the feather to come successively under the action of the hammer.

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

1. The combination, with a frame, of the main shaft, an eccentric on said shaft, a hammer, pivotal connections between the hammer and the frame and the hammer and eccentric, and a shoe-support located under the striking end of the hammer, the upper surface thereof being rounded and provided with its edge with a roller-guide, substantially as described.

2. The combination, with the frame, of the main shaft, an eccentric on said shaft, an eccentric-rod on said eccentric, a hammer-holder to which the eccentric-rod is pivoted, said hammer-holder being also pivoted to the frame, a hammer removably secured in said holder, and a shoe-support located under the striking end of the hammer and having a roller-guide, substantially as described.

In witness whereof I have hereunto set my hand this 6th day of December, 1890.

F. F. FIELD.

Witnesses:

W. H. KNIGHT,
N. F. HAYS.