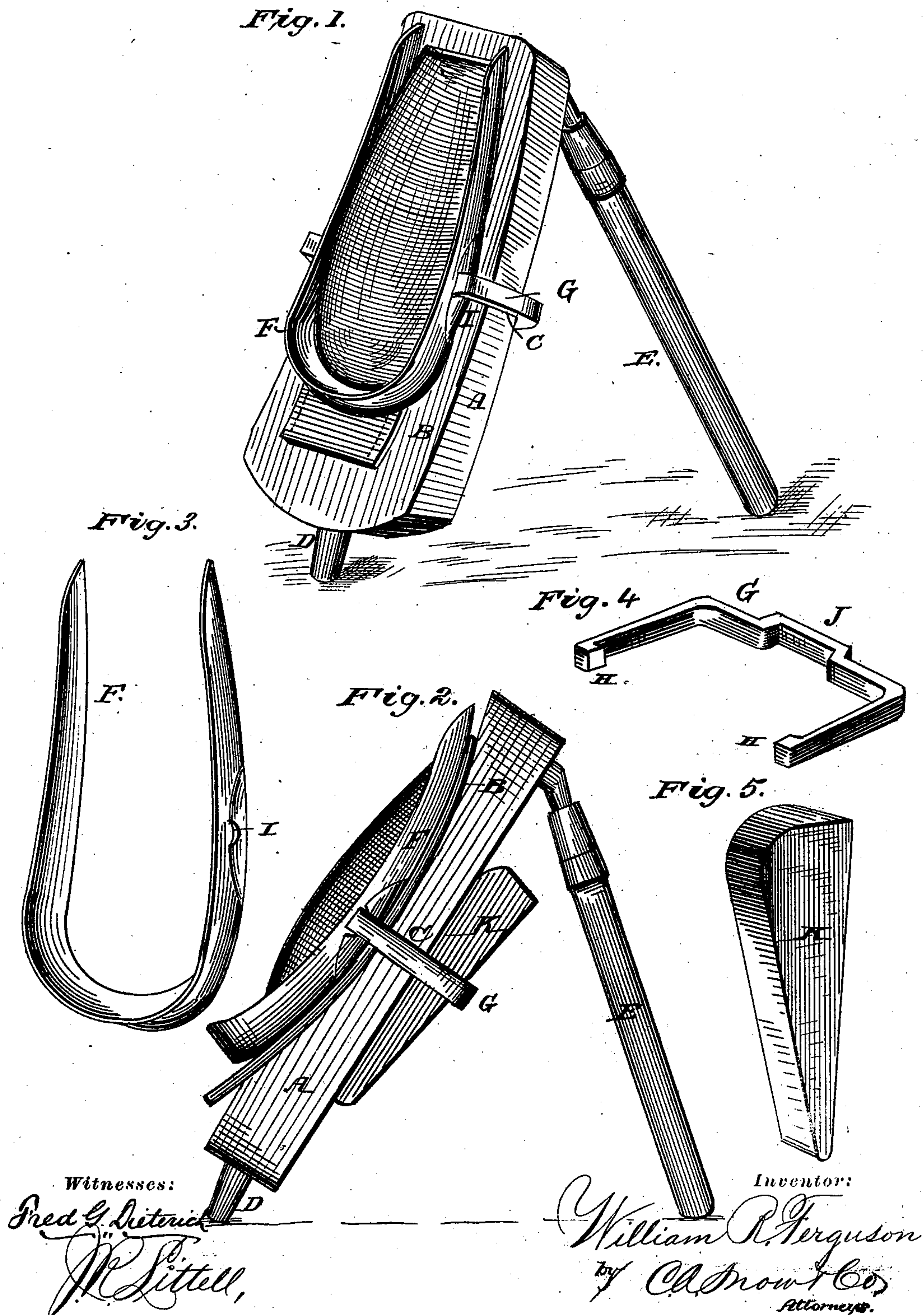


(Model.)

W. R. FERGUSON.
Machine for Forming Harness-Pads.

No. 227,748.

Patented May 18, 1880.



UNITED STATES PATENT OFFICE.

WILLIAM R. FERGUSON, OF MARSEILLES, ILLINOIS, ASSIGNOR OF ONE-HALF OF HIS RIGHT TO JAMES MONTGOMERY, OF SAME PLACE.

MACHINE FOR FORMING HARNESS-PADS.

SPECIFICATION forming part of Letters Patent No. 227,748, dated May 18, 1880.

Application filed April 14, 1880. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM ROSE FERGUSON, of Marseilles, in the county of La Salle and State of Illinois, have invented certain new and useful Improvements in Machines for Forming Harness Back-Pads; 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, which form a part of this specification.

Figure 1 is a view, in perspective, of my machine for forming harness-pads, showing the completed pad in place in the former. Fig. 2 is a side view. Fig. 3 is a perspective view of the shaping-iron; and Figs. 4 and 5 are views of the clamp and tightening-wedge.

This invention has relation to machines for forming harness-pads; and it consists in the improvements in the construction of the same, hereinafter fully described, and particularly pointed out in the claim.

Referring by letter to the drawings, A designates a block having a concave face, B, and side notches, C, being further provided with a short foot, D, at its lower end, and long legs E at its upper end, so arranged as to hold the block in an inclined position for convenience in operation.

F designates the shaping-iron, of the configuration shown, which is that required to give the necessary shape to the harness-pad.

G designates a clamp, which has lugs H up-

on its ends to engage with recesses I in the sides of the shaping-iron when the latter is in place upon the forming-block. The clamp G has also a depression, J, in which the wedge K works to bind the parts together when the pad is in place for filling.

The leather necessary to form the exterior of the pad is first cut out and sewed together, the upper or smaller end being left open. This portion of the pad is then placed in the former and tightly clamped by driving the wedge down. Then, by means of a tin funnel and a spring-rod, it is filled from its open end with short straw or hair, and when so filled has the configuration of the interior of the shaping-iron, and is then ready to be removed and applied to the harness.

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

In a machine for forming harness-pads, the block A, provided with the concave face B, notches C, foot D, and legs E, in combination with the shaping-iron F, having recesses I, clamp G, having depression J and lugs H, and the wedge K, constructed and operating substantially as and for the purposes set forth.

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

WILLIAM ROSE FERGUSON.

Witnesses:

JAMES MONTGOMERY,
LOUIS B. BRUCE.