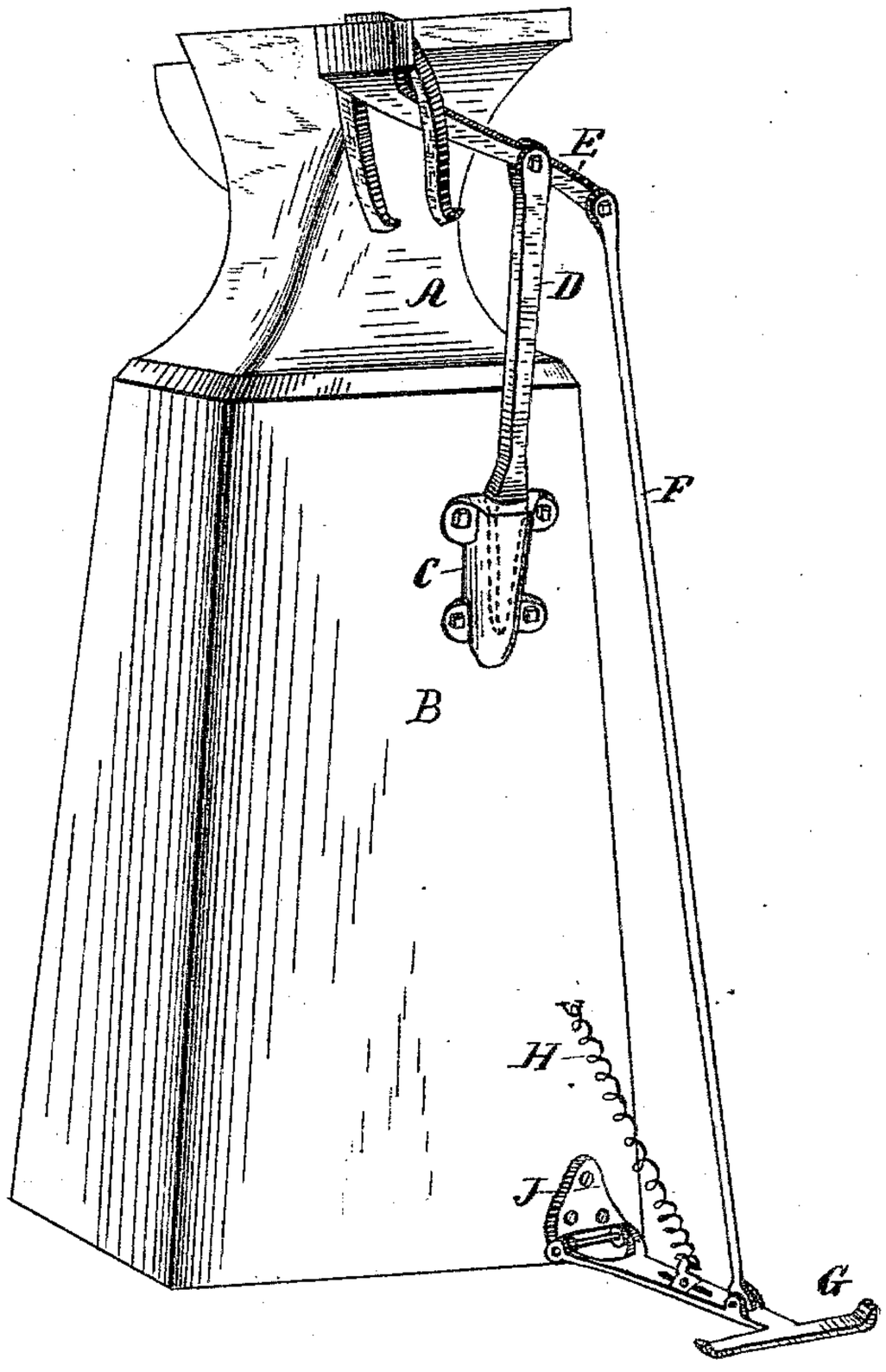
(No Model.)

M. A. LADD.

ATTACHMENT FOR ANVILS.

No. 296,850. Patented Apr. 15, 1884.



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MARVIN A. LADD, OF SPRINGVILLE, MICHIGAN.

ATTACHMENT FOR ANVILS.

SPECIFICATION forming part of Letters Patent No. 296,850, dated April 15, 1884.

Application filed April 26, 1883. (No model.)

To all whom it may concern:

Be it known that I, MARVIN A. LADD, of Springville, in the county of Lenawee and State of Michigan, have invented new and useful Improvements in Attachments to Anvils; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to certain new and useful improvements in attachments to blacksmiths' anvils.

The invention consists in the peculiar construction of a clamping-lever operated by a treadle, for clamping the horseshoe against the side of the anvil, all as more fully hereinafter set forth.

The drawing is a perspective view, showing my device as attached to an anvil, and with a horseshoe as clamped to place ready for sharpening the toe-calk.

A represents a blacksmith's anvil, mounted upon the block B. To the block B, I secure a socket, C, in a rigid and substantial manner, and this socket is to receive the standard D, in the upper end of which is properly pivoted the weighted lever E, the end of the long arm of which is curved and provided with a T-head, as shown. The short arm of this lever E is connected, by means of a rod, F, to the treadle-lever G, which is pivotally secured to the block B, near its base to plate J, and within easy reach of the operator's foot.

In practice, where it is desired to sharpen, say, the toe-calk of a horseshoe, the shoe is held against the side of the anvil. The operator then presses down upon the treadle, which compels the lever E to rise and clamp the shoe firmly against the anvil, while the operator draws or forges the calk into the desired shape. When the pressure on the treadle is removed, the lever E would fall back out of the way by its own weight but for the weight of the treadle and the rod F, and to counterbalance these I employ the spring H, acting directly on the treadle.

I am aware that it is not new to have clamping attachments to anvils for securing a horseshoe in place while the calk is being forged or sharpened, and lay no claim to such as forming a part of my invention, as in such constructions the clamping-jaw is caused to recede from the anvil, and yet remain in substantially the same plane as the anvil's face, which is objectionable, as the jaw will materially interfere with the workman when using the anvil for other purposes, whereas in my construction the clamping-jaw falls downwardly and out of the plane of the anvil's face, and at the same time outwardly and away from the anvil automatically by its own gravity, thus removing the objection to the above construction.

What I claim as my invention is—

In combination with the anvil A and lever E, provided with a weighted clamping-jaw, and pivoted substantially as described, whereby said jaw will automatically fall downwardly and away from the anvil by its own gravity, the rod F, treadle G, and spring H, all combined and operating substantially as set forth.

MARVIN A. LADD.

Witnesses:
ED. J. SCULLY,
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