

J. SCHOFIELD & J. STEVENS.

METAL-CUTTING MACHINE.

No. 176,246.

Patented April 18, 1876.

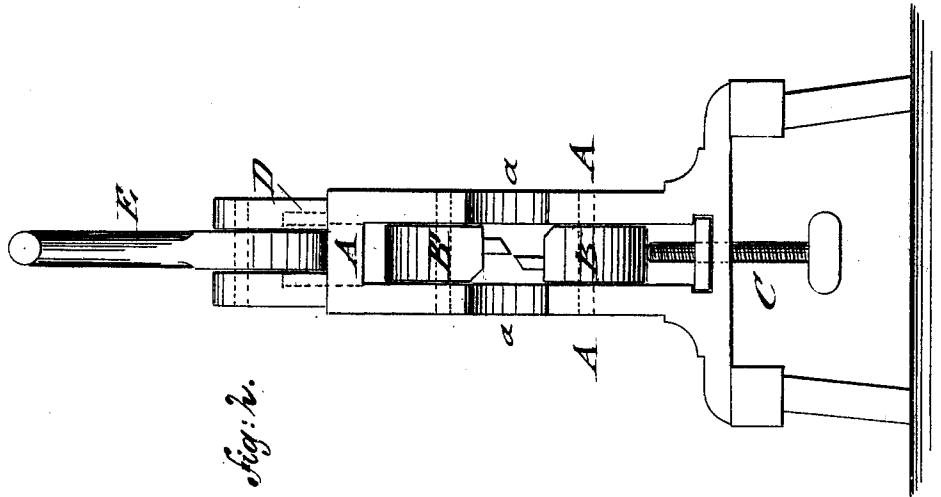


Fig. 2.

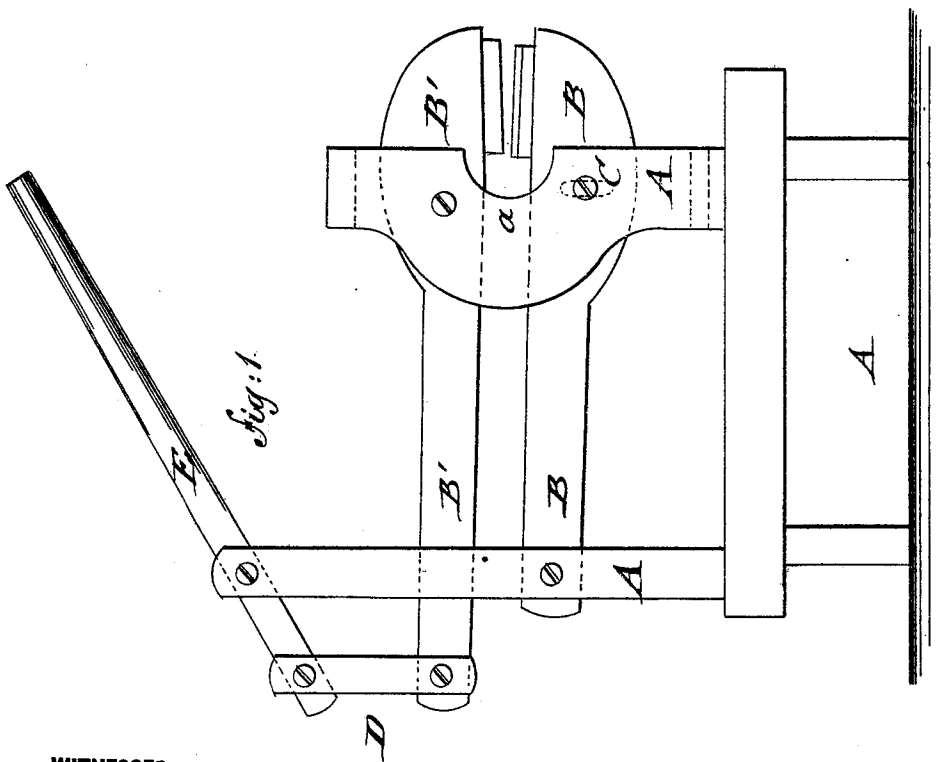


Fig. 1.

WITNESSES:

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JACOB SCHOFIELD AND JOSEPH STEVENS, OF NEWTON, IOWA.

IMPROVEMENT IN METAL-CUTTING MACHINES.

Specification forming part of Letters Patent No. **176,246**, dated April 18, 1876; application filed March 6, 1876.

To all whom it may concern:

Be it known that we, JACOB SCHOFIELD and JOSEPH STEVENS, of Newton, in the county of Jasper and State of Iowa, have invented a new and Improved Iron-Cutting Machine, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side elevation of our improved iron-cutting machine, and Fig. 2 an end view of the same.

Similar letters of reference indicate corresponding parts.

Our invention is designed to furnish an improved iron-cutting machine for shearing off pieces of iron of different thickness with great facility and convenience, said machine comprehending two cutting-jaws, of which the lower jaw is adjustable to different heights, while the upper jaw is brought down by suitable lever-power.

In the drawing, A represents a supporting-frame of suitable size and shape, to which the cutting-jaws B B' are applied. The lower jaw is pivoted to the rear part of the frame and adjusted at the front part by a strong set-screw, C, that raises or lowers the cutting-jaw as required for cutting iron pieces of various thickness. The set screw C may be adjusted from the side or bottom of the jaw B, as desired. The top jaw B' is fulcrumed to frame A above the lower jaw, and connected, by pivot rods or links D at the rear end, to the rear end of

a fulcrumed lever, E, that extends above the jaws to the front part of the machine. The cutting-knives are set centrally into the jaws, which furnish a solid bed or bearing for the same, so that they are not liable to break. One man can handle the machine by introducing with one hand the iron to be cut to the jaws and bringing down the lever with the other hand to produce the cutting. For cutting large size of iron the lower jaw is lowered and the lever then brought to cut; the lower jaw is then set higher by the screw, and another cut given, and so on until the iron is cut through entirely. The head-block of the frame A is provided with a suitable recess, a, near the cutters of the jaws, so that the iron may be placed between the cutters at any point and be cut near to the center of the jaws, thereby economizing power.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The herein-described improved iron-cutter, consisting of a lower rear pivoted jaw, B, adjustable by a bottom vertical screw, C, and an upper jaw, B', actuated by a lever, E, all arranged substantially as shown and described.

JACOB SCHOFIELD.
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Witnesses:

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