

G. Bell.

Oliver.

N^o 66,118.

Patented Jun. 25, 1867.

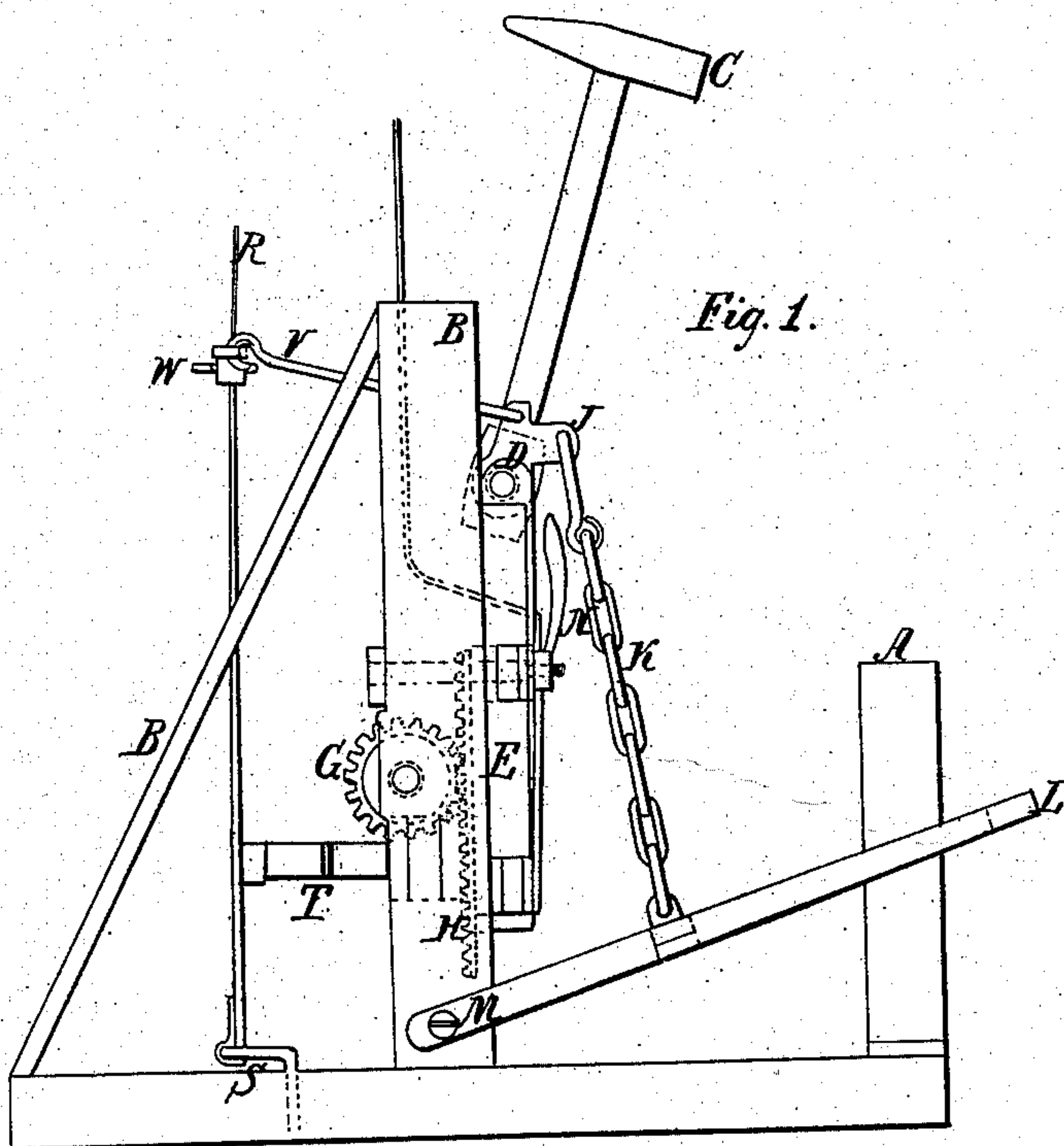


Fig. 1.

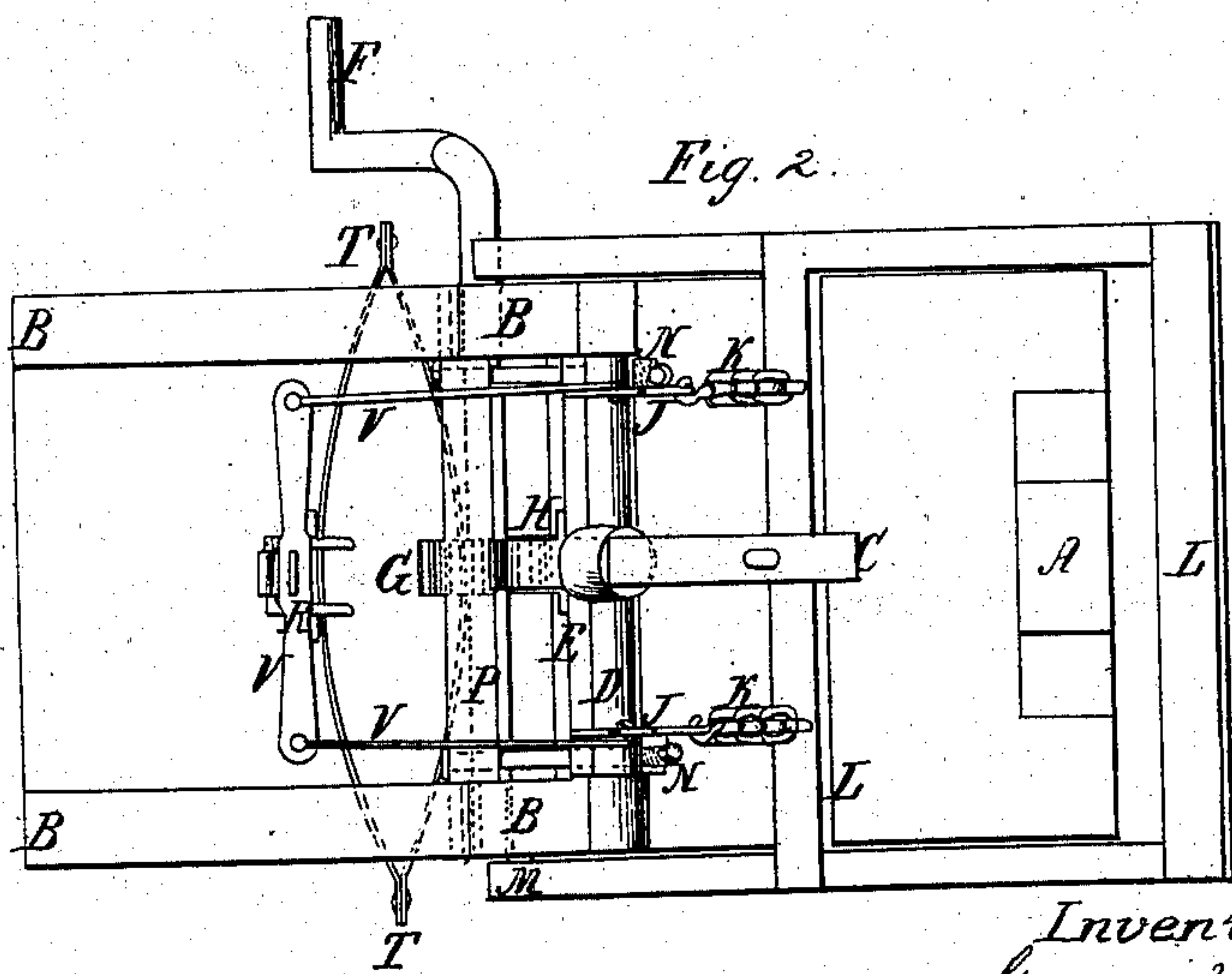


Fig. 2.

Witnesses;
C. A. Rogers
Walter Evans

Inventor;
George Bell.
By his Atty
J. Franklin Rogers

United States Patent Office.

GEORGE BELL, OF MARTINSBURG, WEST VIRGINIA, ASSIGNOR TO HIMSELF
AND JONATHAN STRINE, OF SAME PLACE.

Letters Patent No. 66,118, dated June 25, 1867.

IMPROVEMENT IN BLACKSMITHS' STRIKERS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, GEORGE BELL, of the town of Martinsburg, Berkeley county, State of West Virginia, have invented new and useful "Improvements in Blacksmiths' Strikers;" and I do hereby declare the following to be an exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification, in which—

Figure 1 represents a side elevation of the machine.

Figure 2, a top view.

The nature of my invention consists in the arrangement and construction of the adjustable frame, chains, and arms, all in combination, for the purpose of forging iron on an anvil, and dispensing with the employment of a hand-striker.

A represents an anvil; B, an upright frame that supports the devices; C, the hammer, that operates on a roller; D, located at the top of an adjustable upright gate, E, that moves up and down upon the upright posts B B of the frame B. The gate E is adjusted by means of the lever F, pinion G, and the rack H; the rack-H being attached to the back part of the movable sliding-frame or gate E, and the lever F and pinion G operate between the posts B B, and are supported by the posts B B. Short arms J J are attached to the roller D, to which adjustable chains K are attached, and at their opposite ends connected to a treadle, L, which operates on a pivot, M, on each side of the posts B. The chains are lengthened or shortened by the hooking of the links to the arms J. Set-screws N tighten the gate E to the posts B by means of the cross-brace P. Q is an upright spring, against which the hammer rebounds, and is prevented from flying too far back. R is an upright spring, permanently fastened below to a platform, S, and attached to an elliptic spring, T, and has an adjustable frame, V, near the top; this frame V is also hooked into the arms J J, so as to draw the hammer back after the treadle L has drawn it down and struck the blow. The frame V is adjusted up or down on the spring R, to correspond with the stroke of the hammer, and the adjustment of the gate E and chains K by means of a pin, W, inserted through apertures in the spring R.

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

The combination of the spring R, adjusting device W, frame V, hammer and lugs C J, chain K, and treadle L, all constructed and arranged as described.

GEORGE BELL.

Witnesses:

J. FRANKLIN REIGART,

ISRAEL L. LANDIS.