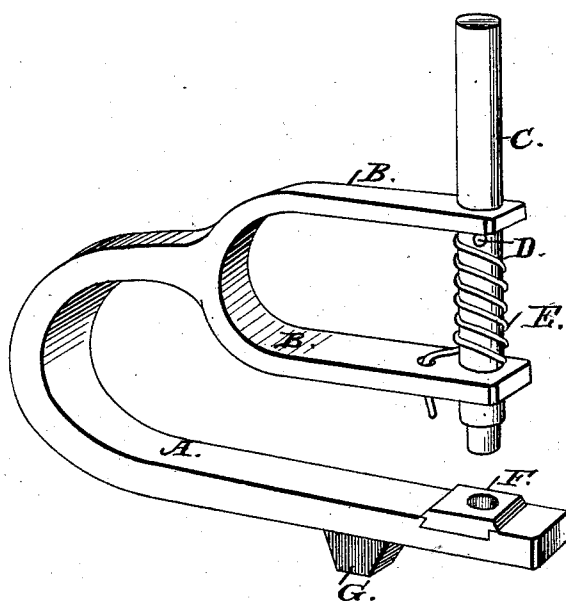


M. V. Bryant,
Metal Punch,
N^o 80,449. *Patented July 28, 1868.*



Witnesses:

H. J. Everts.
Geo S. Blay.

Inventor.

M. V. Bryant
Per Attorney
Thos. S. Mague.

United States Patent Office.

MARTIN V. BRYANT, OF NORTH PLAINS, MICHIGAN.

Letters Patent No. 80,449, dated July 28, 1868.

IMPROVEMENT IN SPRING-PUNCH.

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, MARTIN V. BRYANT, of North Plains, in the county of Ionia, and State of Michigan, have invented certain new and useful Improvements in Punches for punching iron or other metals; and I do declare the following to be a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being part of this specification.

The nature of my invention consists in constructing a light, portable punch, designed to be used by blacksmiths in punching bar-iron; and, when in use, is secured to the anvil by a lug on the bottom, entering the square hole in the face of the same.

To accomplish this purpose, I construct a frame, A, of the shape shown in the drawings, somewhat resembling the letter U, with one of its legs bifurcated, as at B B, provided with openings, through which moves the punch C. D is a pin, passing transversely through the punch C. E is a spiral spring, embracing the punch, and, operating against the pin D, raises the punch clear of the iron, after the same is punched. F is a die, secured by a proper dove-tail in the lower part of the frame, its hole being directly over the round hole in lower part of the frame. G is a square lug, on the under side of the frame A, and fitting in the square hole in the top of the anvil, and securing the apparatus thereon. The punching of the metal is effected by blows on the head or top of the punch.

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

The square lug G, when used in connection with the frame A, bifurcations B B, punch C, pin D, spring E, and die F, substantially as and for the purpose specified.

MARTIN V. BRYANT.

Witnesses:

H. M. BROWN,
HIRAM BROWN.