

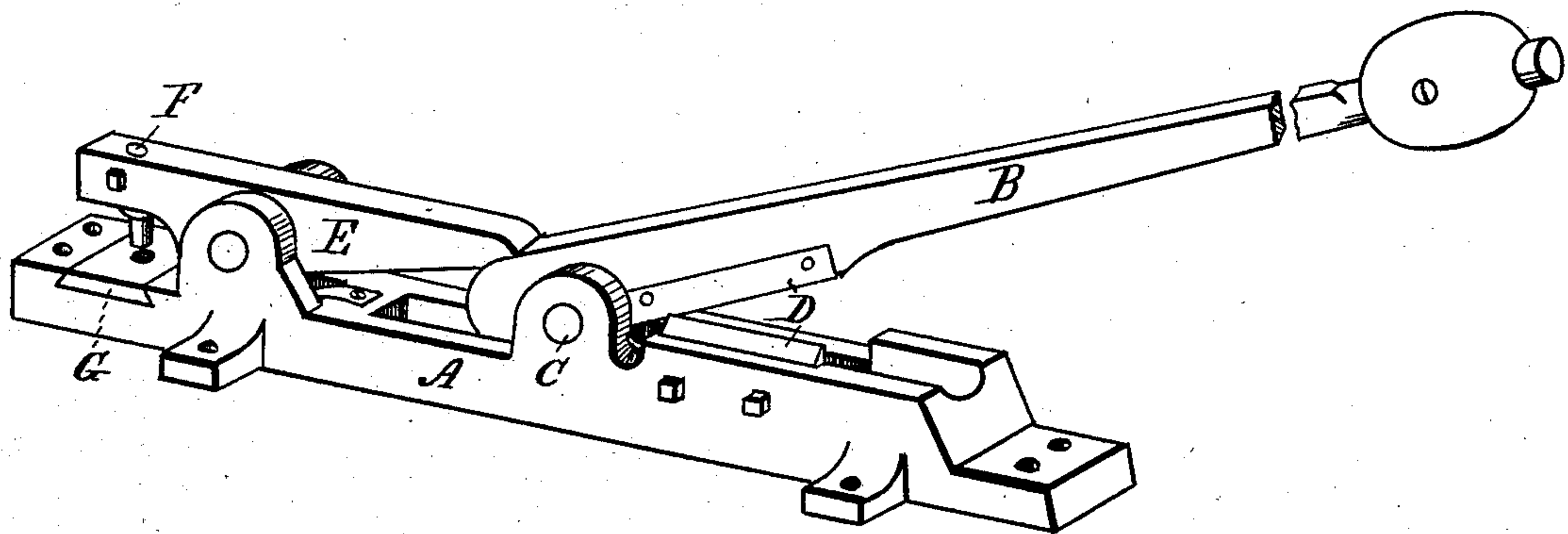
(No Model.)

E. JONES.

PUNCHING AND SHEARING MACHINE.

No. 389,655.

Patented Sept. 18, 1888.



WITNESSES:

Robert Kirk.
C. Adams

INVENTOR :

Eli Jones.

By

J. S. Zerbe
Attorney.

UNITED STATES PATENT OFFICE.

ELI JONES, OF VALLEY SPRINGS, DAKOTA TERRITORY.

PUNCHING AND SHEARING MACHINE.

SPECIFICATION forming part of Letters Patent No. 389,655, dated September 18, 1888.

Application filed December 27, 1887. Serial No. 259,080. (No model.)

To all whom it may concern:

Be it known that I, ELI JONES, of Valley Springs, in the county of Minnehaha and Territory of Dakota, have invented a new and
5 useful Improvement in Punching and Shearing Machines, which improvement is fully set forth in the following specification and accompanying drawing, in which—

The drawing shows a perspective view of my
10 punching and shearing machine.

The object of my invention is to provide at a moderate cost a simple, reliable, and effective punching and shearing machine, which is especially designed for blacksmiths and other
15 iron-workers who are confined to the use of appliances operated by hand-power.

The construction and operation of the device will be readily understood by referring to the accompanying drawing, in which A represents the cast-iron base or body of the machine, which may be secured to a bench or
20 suitable frame-work. The main lever B is pivoted at C and re-enforced, when desired, by an adjustable weight, which may be fixed at any
25 desired position by a set-screw.

D represents the shears, the lower blade of which is recessed at one end to adapt it for cutting round bars or rods. This blade is adjustable by set-screws, and both blades may
30 be readily removed or replaced when desired. A short lever, E, is so pivoted in connection with the main lever as to constitute a com-

pound lever, thereby furnishing additional power to the punch F, which is formed with a shoulder and inserted in a slot and retained
35 therein by a set-screw.

The die-box G is fitted to a slide-box in the base of the machine. Various sizes of punches and corresponding dies may be used.

It will be observed that one of the advantages
40 attending the use of this machine is the fact that both of its functions are performed by a downward movement of the main lever.

What I claim as new is—

1. In a punching and shearing machine, a
45 base provided with lugs in which is pivoted a compound lever, the main lever having a shearing-blade co operating with an adjustable blade attached to the base of the machine, the lower blade having a recess for cutting round
50 bars, substantially as herein set forth.

2. The combination, in a punching and shearing machine, the main lever having a shearing-blade co-operating with an adjustable blade attached to the base of the machine, with
55 a punch operated by the compound lever, substantially as herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand, this 14th day of September, 1887, in the presence of witnesses:
60 ELI JONES.

Witnesses:

W. H. RIDDELL,
GEO. CASSADY.