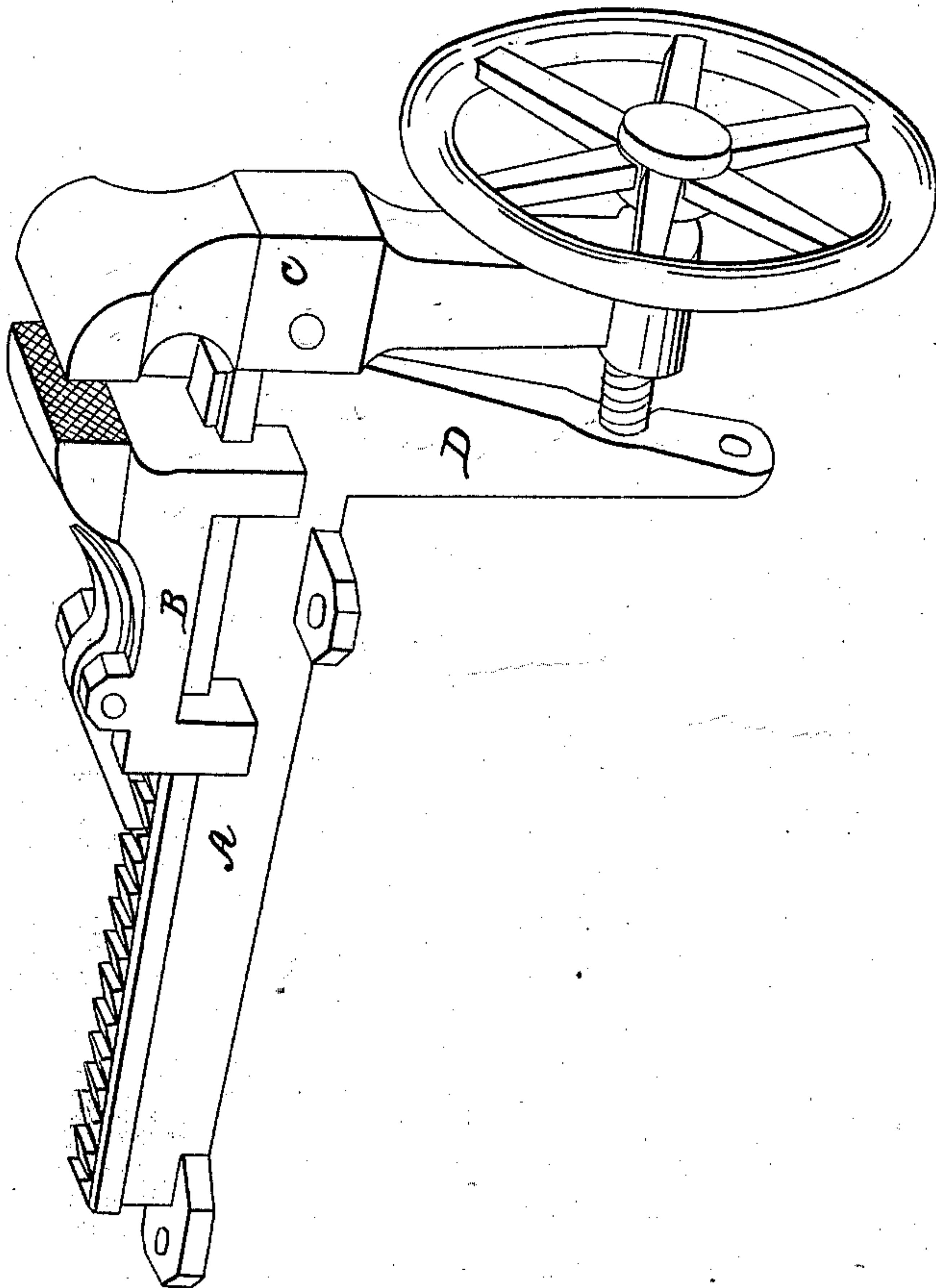


J. Peck,

Vise.

N^o 3,384.

Patented Dec. 20, 1843.



UNITED STATES PATENT OFFICE.

JEREMIAH PECK, OF WATERBURY, CONNECTICUT.

BENCH-VISE.

Specification of Letters Patent No. 3,384, dated December 20, 1843.

To all whom it may concern:

Be it known that I, JEREMIAH PECK, of Waterbury, in the county of New Haven and State of Connecticut, have invented a new and useful improvement in bench-vises by combining the lever with the screw-power, the movements being by a rack and balance-wheel.

To enable others skilled in the art, to make and use my invention, I describe the construction and operation as follows.

The improved vise is made firm to the bench by the bed of the rack. For an ordinary sized vise the bed and rack should extend upon the bench about 15 inches, and is made fast to the bench by a screw or bolt at the end and on each side. On this rack, one jaw of the vice claspings the same moves easily, in side grooves and may be held in place by a spring cheek, playing into the teeth of the rack. On the end of the bed of the rack projecting over the edge of the bench the other jaw of the vise is attached, by a mortise and tenon, so as to play easily on a pivot; the lower end of this jaw extending below the pivot, about double the length of the jaw above the pivot, and is armed with a screw pin at the lower end governed by a balance wheel, the end of the screw-pin pressing against an arm or fulcrum descending from the bed of the rack and made fast to the side of the bench.

For a more full illustration I refer to the drawings accompanying this specification

as part thereof, in and by which the letter A, represents the rack and its bed, B the movable jaw with the spring check. C the permanent jaw with the balance wheel and screw, attached to the lower end. D, the arm or fulcrum extending downward from the bed of the rack and against which the screw pin of the permanent jaw presses.

The operation of this improved vise is such that by means of the rack the vise can be opened readily from half an inch to a foot or more, and always keeping the jaws square, or with perpendicular faces, and by means of the screw pin at the lower end of the permanent jaw, pressing against the arm of the rack, the power of the lever is added to that of the screw.

The advantages are that the jaws are always kept square to the work, or nearly so and by means of the rack have more compass than ordinary vices, and double the power. The size will vary according to the use intended. It may be of wrought or cast iron.

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

The sliding jaw in combination with the jointed jaw, as herein described; the former being used to get the vise to any desired size and the latter to grip.

JEREMIAH PECK.

Witnesses:

SIMEON BALDWIN,
R. BALDWIN.