

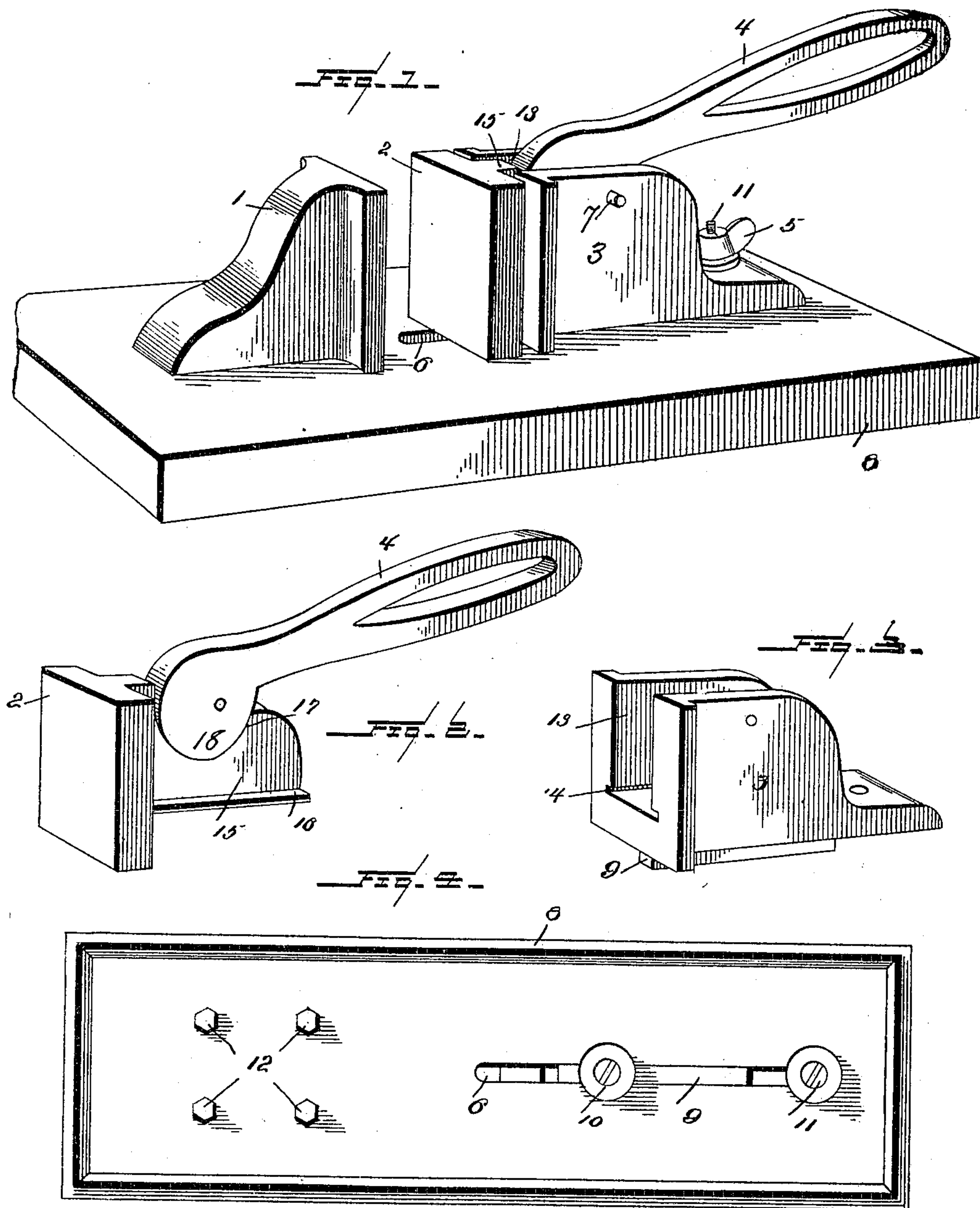
No. 819,887.

PATENTED MAY 8, 1906.

A. O. JONES.

CLAMP.

APPLICATION FILED MAY 15, 1905.



WITNESSES:

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UNITED STATES PATENT OFFICE.

ALBERT ORIN JONES, OF EAST CONNEAUT, OHIO, ASSIGNOR OF ONE-HALF
TO BEN KENNEDY, OF CONNEAUT, OHIO.

CLAMP.

No. 819,887.

Specification of Letters Patent.

Patented May 8, 1906.

Application filed May 15, 1905. Serial No. 260,511.

To all whom it may concern:

Be it known that I, ALBERT ORIN JONES, a citizen of the United States, residing at East Conneaut, in the county of Ashtabula and State of Ohio, have invented new and useful Improvements in Clamps, of which the following is a specification.

This invention is a clamp designed particularly for the use of carpenters and cabinet-makers and suitable especially for holding door and window frames and the like while working on them. It is of course not limited to such use, but may be employed as a clamp or vise wherever it may be found useful.

The invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the device. Fig. 2 is a perspective view of the movable clamping-jaw and its operating-lever. Fig. 3 is a perspective view of an adjustable block in which the movable jaw slides. Fig. 4 is an inverted plan view showing the bottom of the bed-plate.

Referring specifically to the drawings, 1 indicates the fixed jaw, rigidly mounted upon the bed-plate 8 by means of cap-screws 12 or it may be made integral therewith.

The bed-plate is slotted, as at 6, opposite the fixed jaw to receive the rib 9, projecting from the bottom of the adjustable fulcrum-block 3. This rib guides the movement of the block, which is held in place by screw and washer 10 and set-screw and washer 11, which latter extends through the foot of the block and has a thumb-nut 5 thereon to fix the parts at adjustment. The block has a central longitudinal recess 13 in the top which has undercut grooves on opposite sides at the bottom thereof, as at 14.

The movable jaw 2 has a projecting rib 15, which fits in the recess 13, and tongues 16, which fit in the grooves 14. In the top of the rib 15 is a segmental recess 17, which receives the cam 18 at the end of a lever 4, which is pivoted to the block 3 by a pin 7.

In use the clamp is roughly adjusted to the work by moving the sliding block 3 and setting the same with the thumb-screw. The work can then be clamped between the jaws by pressure down on the lever 4. Vibration of the lever slides the jaw 2 back and forth as desired.

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

A clamp comprising a base having a fixed jaw thereon and a slot therethrough opposite said jaw, an adjustable block on the base opposite said jaw and having a rib in the slot and an undercut recess in the top, a set-screw carried by the block and extending through the slot, to bind the block at adjustment, a movable jaw having a rearwardly-projecting portion fitting and slidable in said recess and a segmental recess in the top of said portion, and a lever pivoted to the block and having a cam fitting in said segmental recess, to advance or retract the movable jaw.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALBERT ORIN JONES.

Witnesses:

A. B. CRITTENDEN,
BEN KENNEDY.