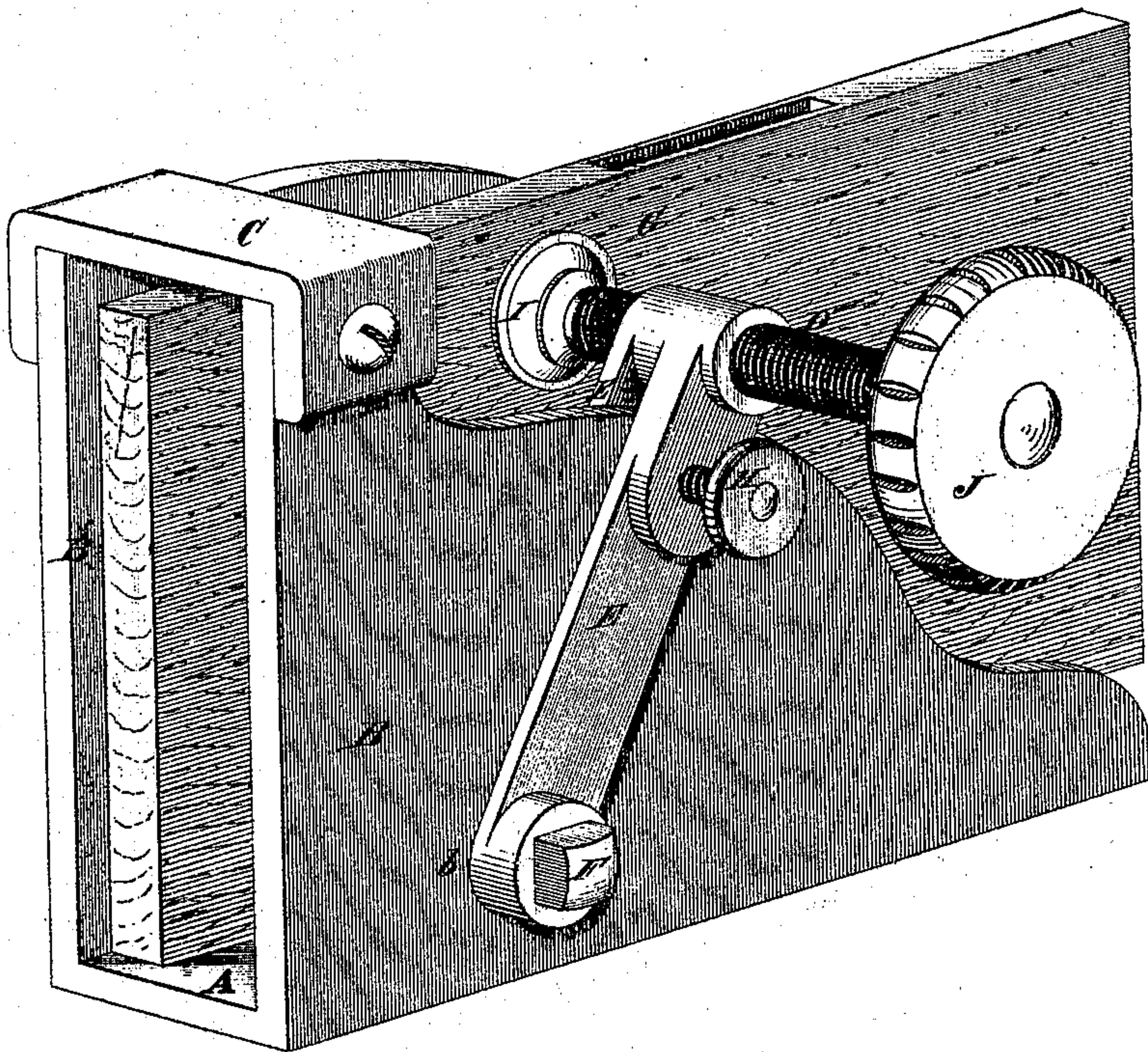


A. Schmackers,
Mortising Machine.

No. 100,672.

Patented Mar. 8, 1870.



Attest.

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Letters Patent No. 100,672, dated March 8, 1870.

IMPROVEMENT IN MORTISING-MACHINES.

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, ANTON SCHMACKERS, of Cincinnati, Hamilton county, State of Ohio, have invented a certain new and useful Chuck for Mortising-Machines, &c.; and I do hereby declare the following to be a sufficiently full, clear, and exact description thereof to enable one skilled in the art to which my invention appertains to make and use it, reference being had to the accompanying drawings making part of this specification.

My invention consists of a chuck designed to clamp and hold work to be mortised, in connection with the ordinary table of any description of mortising-machine, and so constructed that while it is extremely light and cheap, it will resist the tendency to "spring" by the pressure of the tightening-screw; and the tightening-screw is so connected to the chuck that it can be brought to bear upon the work at any required point above the face of the table, to suit different depths of "stuff," it being desirable that work to be mortised should be clamped at a point near the top of the stuff.

The accompanying drawing is a perspective view of a chuck embodying my invention.

The case of the chuck is composed of the bottom-plate A, cheeks B B', and gib C.

The gib C is necessarily detachable, to admit of the case being "finished" inside by planing, and when connected to the cheeks in the manner shown, serves to firmly connect them together and resist the spreading tendency of the clamping-screw D.

The screw D is connected to the case by the swinging link E, into which the screw is tapped, the link being pivoted to the cheek B at *b* by means of bolt or pin F.

One side of the cheek B is curved, as shown, to conform to the arc described by the link E.

By the provision of the swinging link the clamping-screw can be raised or lowered, so as to press against the "stuff" G at any desirable height above the face of the table. Any size stuff within the limits of the

chuck can thus be secured, and at the most desirable point.

In order that the clamping-screw, after being adjusted in height, may not fall or become displaced after being released from the work, the set-screw H is provided. This is tapped into the link E, and rests against the cheek B, thus serving to support the link in any desired position.

The clamping-screw D is provided at its inner end with a washer, I, which is fitted to revolve freely on the end of the screw, and the outer end is fitted with a hand-wheel or crank handle, J.

Though I regard the swinging link E as the best possible device for the purpose designed, modifications of my invention may be constructed which will dispense with it; as, for example, a series of "tapped" holes may be provided in the cheek B, into which the screw D may be inserted at different heights from the table. This is, however, a very inferior modification.

This chuck, as shown, is adapted to be used with any construction of mortiser, and can be secured to the ordinary table in any suitable way. In the construction of new machines the chuck may be embodied in the table.

I claim herein as new and of my invention—

1. In connection with the cheek B, the swinging link E, set-screw H, and clamping-screw D, combined and operating in the manner and for the purpose set forth.

2. The combination and arrangement of the cheeks B B', bottom A, detachable gib C, and swinging link E, with set-screw H and clamping-screw D, substantially as set forth.

In testimony of which invention I hereunto set my hand.

ANTON SCHMACKERS.

Witnesses:

FRANK MILLWARD,
JOHN B. MANNING.