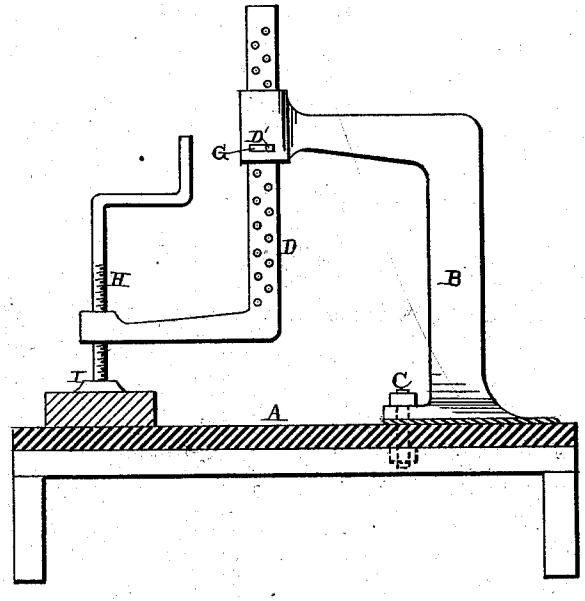
(No Model.)

T. CRISPIN.

BENCH CLAMP.

No. 282,961. Patented Aug. 14, 1883.



Witnesses.
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UNITED STATES PATENT OFFICE.

THOMAS CRISPIN, OF DETROIT, MICHIGAN.

BENCH-CLAMP.

SPECIFICATION forming part of Letters Patent No. 282,961, dated August 14, 1883.

Application filed January 23, 1883. (No model.)

To all whom it may concern:

Be it known that I, THOMAS CRISPIN, of Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Bench-Clamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to an improvement in bench-clamps; and it consists, first, in a standard which carries the other parts of the clamp, and which is pivoted upon the top of the table, so that when not in use the clamp can be turned around out of the way; second, in the combination of the standard, having an opening through its upper end for a sliding perforated rod to pass through, with the screw which carries the clamping-jaw upon its lower end, and a suitable pin for holding the sliding rod at any desired position, as will be more fully described hereinafter.

The object of my invention is to construct a clamp which is specially adapted to be used upon the top of the table, so as to hold any object which is being worked upon, and which clamp, after having been used, can be turned back out of the way.

The accompanying drawing represents a side elevation of my invention complete.

A represents an ordinary bench or table of any kind, and B a standard which is pivoted thereon by means of a bolt or other suitable device, C. This standard is pivoted upon the table, so that it can be swung around when not needed for use. The upper end of this standard is turned at right angles, so as to form a horizontal arm, and through the outer end of this horizontal arm is formed a vertical opening, through which the sliding perforated rod D is moved up and down. This rod D will be of any desired length, and have its lower end turned outward at right angles, as shown, and through the vertical part of the rod will be formed any suitable number of perforations, which will be placed in any desired relation to each other, so that a holding-pin or other device, D′, may be passed through the slot G, that is made in the side of the outer end of the standard, into or through the perforated sliding rod, and thus hold the rod at any desired elevation. A slot, instead of a mere hole through the end of the standard, is used, so that where there are two or more rows of holes used the pin can be inserted in any one of them. Through the lower outer end of the sliding rod is formed a screw-threaded opening, through which passes the screw H, which carries the clamping-jaw I upon its lower end. The sliding rod is made perforated, as shown, so that it can be quickly adjusted up and down, and thus save the time of having to turn the screw where the jaw has to move through any considerable distance. After the sliding rod has been adjusted into about the position required the screw is turned so as to make the jaw clamp the article which is being worked upon the top of the table.

As soon as the clamp is no longer needed it is only necessary to turn the standard, when the entire clamp can be swung around entirely out of the way.

Having thus described my invention, I claim—

1. In a bench-clamp, the combination of the standard B, having a flange formed on its front edge, with the pivotal bolt C, a vertical sliding rod which passes through the standard, and a screw carrying the clamping-jaw, substantially as set forth.

2. In a clamp which is designed to be used upon the top of the table, the combination of a swinging standard, a vertical sliding rod which passes through the standard, and a screw carrying the clamping-jaw, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

THOMAS CRISPIN.

Witnesses:

WM. CLUPETOR,

SAMUEL ROSENTHAL.