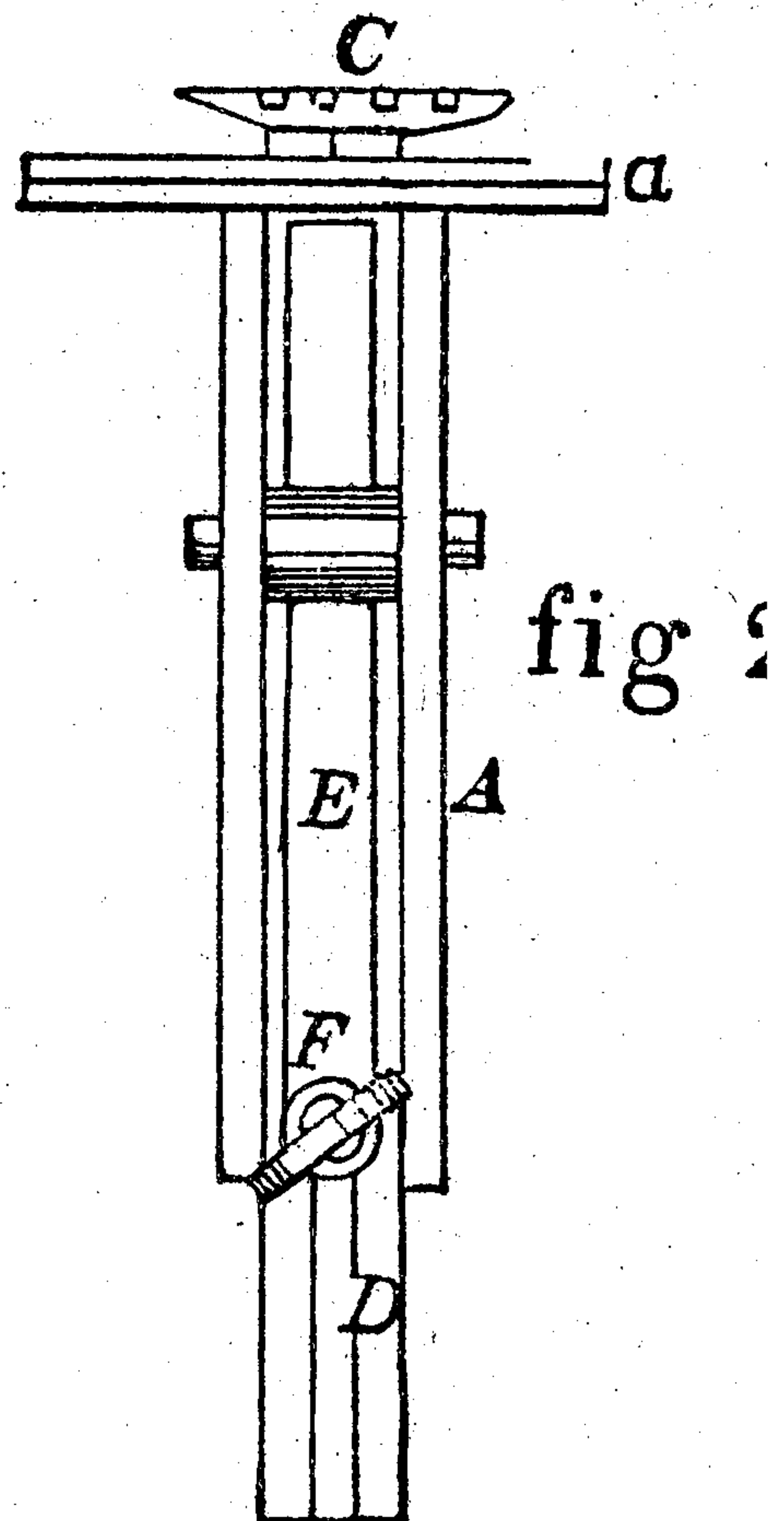
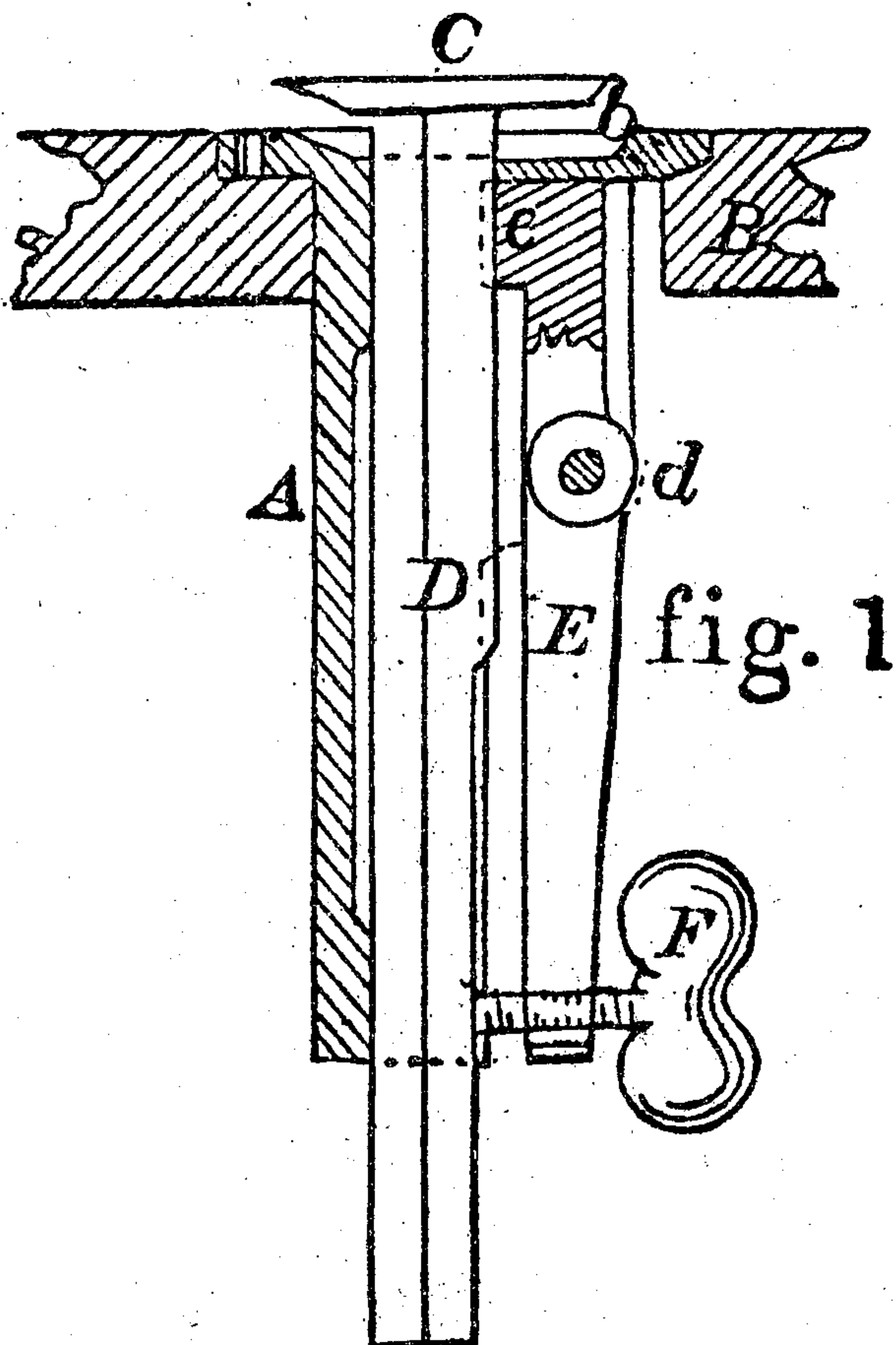


E. B. WHITE.
BENCH HOOK.

No. 19,595.

PATENTED MAR. 9, 1858.



TAKEN FROM PATENT OFFICE REPORT
1868-VOL-III-
ONLY DRAWING ACCESSIBLE (1912)

UNITED STATES PATENT OFFICE.

E. B. WHITE, OF NASHUA, NEW HAMPSHIRE.

BENCH-HOOK.

Specification of Letters Patent No. 19,595, dated March 9, 1858.

To all whom it may concern:

Be it known that I, EDWIN B. WHITE, of Nashua, in the county of Hillsboro and State of New Hampshire, have invented a
5 new and Improved Joiner's Bench-Hook; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specifica-
10 tion, in which—

Figure 1 is a vertical section of the shell or case of my improvement applied to a work bench the hook and shank not being bisected. Fig. 2, is a detached edge view of
15 ditto. Fig. 3, is a plan or top view of ditto.

Similar letters of reference indicate corresponding parts in the several figures.

This invention consists in the novel means employed for holding the shank of the hook
20 in its case or shell as hereinafter described, whereby the hook may be readily adjusted and firmly secured at the desired height above its bed piece or plate, so as to effectually resist the pressure of the "stuff" which
25 is placed against it as usual while being planed or otherwise operated upon.

To enable those skilled in the art to fully understand and construct my invention I will proceed to describe it.

30 A, represents a cast iron shell or case of rectangular form and which is fitted as usual in the top plank B, of a joiner's work bench. See Fig. 1. The upper end of the shell or case has a horizontal plate (a)
35 formed on it or cast with it and a recess (b), is allowed in said plate to receive the hook C, which, when depressed or allowed to descend, fits within the recess so that its upper surface will be flush with the bed plate, the
40 plate (a) being screwed to the bench. The hook C, is constructed in the usual way, viz., a horizontal flat plate having its front edge toothed as shown at (c). The hook is attached to or formed on the upper end of a
45 quadrilateral bar D, which passes through a corresponding aperture in the bed plate (a) and through the bottom of the shell or case A. This bar which may be termed the shank of the hook is allowed to move freely
50 up and down within the shell or case.

The front end of the shell or case is open

and the lever A, is fitted therein. This lever has its fulcrum at (d) and a set screw F, passes through its lower end. The upper end of the lever E, is bent or has lips (e) 55 projecting from it at right angles, the ends of said lips being grooved in V-form so that it may fit over the edge of the bar or shank D, see Fig. 1.

From the above description of parts it 60 will be seen that when the screw F, is turned from left to right the lower end of the lever E, will be forced outward from the bar D, and the lip (e) will be forced or pressed against the upper end of the bar D. The 65 bar D, therefore will be bound firmly in the shell or case, and will be pressed against at both its upper and lower end, the screw F, bearing against its lower end and the lip (e) against its upper end just below the 70 bed plate (a). The bar or shank D, in consequence of being pressed against at the two different points shown will be firmly secured in the shell or case A, and effectually prevented from vibrating or working loose by 75 the pressure of the "stuff", while being operated upon. One adjustment only, viz., of the screw F, causes the bar to be acted upon at the two points as described, consequently 80 the hook C, may be readily adjusted and secured at the desired height above the bed plate (a), to serve as a stop or bearing to the "stuff".

I do not claim the shell or case A, nor the hook C, provided with the shank D, which 85 fits within the shell A, for these parts have been previously used; but,

Having thus described my invention, what I claim as new and desire to secure by Letters Patent, is, 90

Securing the hook C, at the desired height by means of the lever E, attached to the shell or case A and operated or adjusted by the screw F, or its equivalent so that the shank D, of the hook will be pressed against 95 both at its upper and lower ends and thereby firmly secured within the shell case as described.

EDWIN B. WHITE.

Witnesses:

BEN. F. EMERSON,
DANIEL W. CLEMENT.