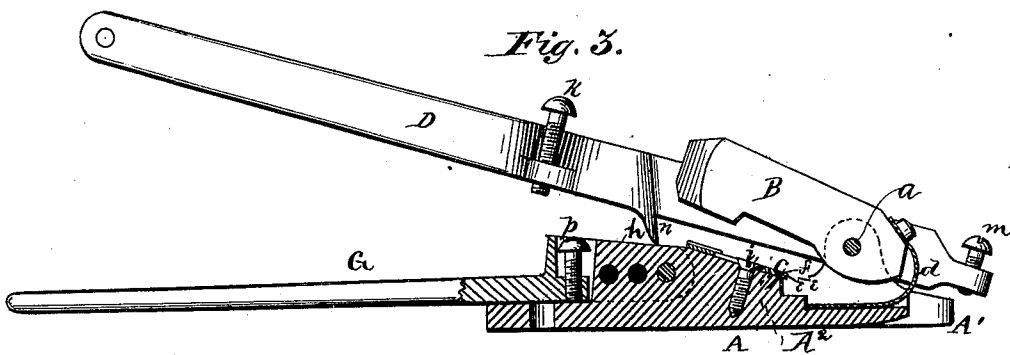
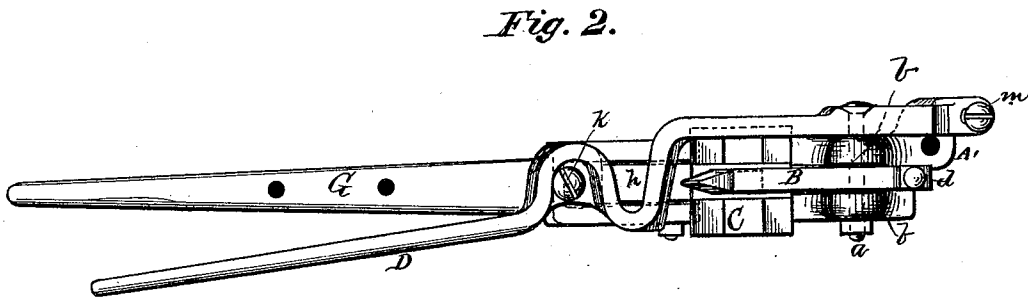
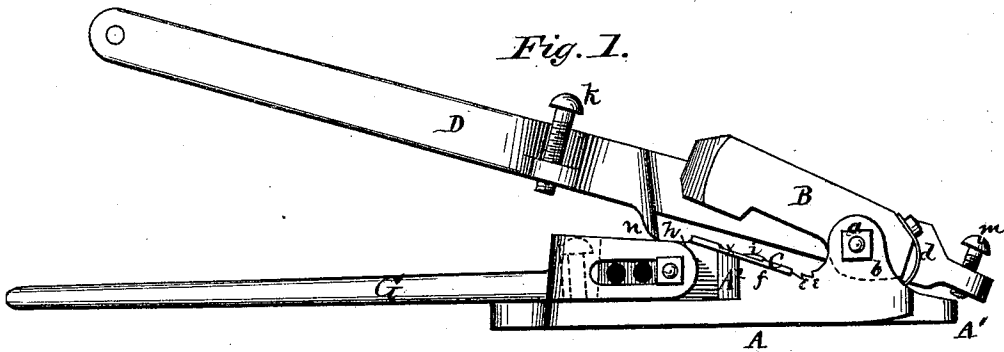


H. HITCHCOCK.

SAW-SET.

No. 177,246.

Patented May 9, 1876.



Witnesses:

Henry N. Miller

W. L. O'Connell

Inventor:

H. Hitchcock

By Alexander Thayer
Atty.

UNITED STATES PATENT OFFICE.

HIRAM HITCHCOCK, OF ADAMS TOWNSHIP, HILLSDALE COUNTY, MICHIGAN.

IMPROVEMENT IN SAW-SETS.

Specification forming part of Letters Patent No. **177,246**, dated May 9, 1876; application filed March 7, 1876.

To all whom it may concern :

Be it known that I, HIRAM HITCHCOCK, of the township of Adams, in the county of Hillsdale, and in the State of Michigan, have invented certain new and useful Improvements in Saw-Sets; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon, making a part of this specification.

The nature of my invention consists in the construction and arrangement of a saw-set, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a side elevation of my saw-set, Fig. 2 is a plan view, and Fig. 3 a longitudinal section of the same.

A represents the bed or bed-plate of my saw-set, provided on one side, at the front end, with a projection, A^1 . In this projection, as well as in the rear end of the bed-plate, are suitable bolt-holes for the passage of bolts or screws, to fasten the machine to any table, bench, or other support.

Near the front end of the bed-plate A are two parallel standards, $b\ b$, between which the punch B is pivoted by means of a bolt, a , the punch being provided with two holes, so as to be changed according to the kind of work desired to be done. The punch is held up by means of a spring, d , which is fastened on top of the pivoted end, and, passing around said end, rests in a groove in the bed-plate between the standards $b\ b$. The front end of the punch is beveled, as shown, and under the same is an inclined face, f , with a series of notches, $e\ e$, at the bottom or lower end, and from the upper end of said incline extends another incline, h , these inclines being the upper surfaces of a raised projection, A^2 , of the bed-plate.

On the incline f is secured a rectangular gage-plate, c , fastened by a screw, i , passing through a slot in the plate, and said plate in

its upper surface provided with recesses $x\ x$, as shown.

The bolt a , which pivots the punch B to the standards $b\ b$, also pivots a lever, D, to the outside of one of them, the inner end of said lever extending over the projection A^1 , and having a set or gage screw, m , passing through it to bear against said projection A^1 .

Beyond the end of the punch the lever is curved in the shape of an S, and formed on its under side with a cross-lip, n , as shown.

In the outer bend of the S of said lever D is a set-screw, k , which is to come down on the saw-blade in the operation of setting the saw.

The projection A^2 of the bed-plate is straddled by means of a forked lever, G, pivoted thereto by a horizontal bolt, and the upper face of the forked end of this lever is beveled to correspond with the incline h of said projection.

In the crotch of this lever is a set-screw, p , which bears on the bed-plate to regulate the height of its inclined face above the incline h .

In setting the saw the blade is laid over the inner forked end of the lever G, with the tooth on the gage-plate C. The lever G having been previously set to the desired angle, the lever D is brought down by a cord attached to its outer end, and the lip n and set-screw k will set the plate as required, or the action of the two levers may be reversed.

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

1. The combination of the bed-plate A with projection A^2 , having inclines $f\ h$, the gage-plate, C, lever D, with lip n , and set-screw k , and the lever G, with set-screw p , all substantially as herein set forth.

2. The pivoted punch B, with spring d , in combination with bed-plate, gage, and levers, as shown and described.

In testimony that I claim the foregoing I have hereunto set my hand this 22d day of January, 1876.

HIRAM HITCHCOCK.

Witnesses:

W. D. JONES,

W. W. GREEN.