

F. STARKE.

Improvement in Carpenters Benches.

No. 118,980.

Fig. 1. Patented Sep. 12, 1871.

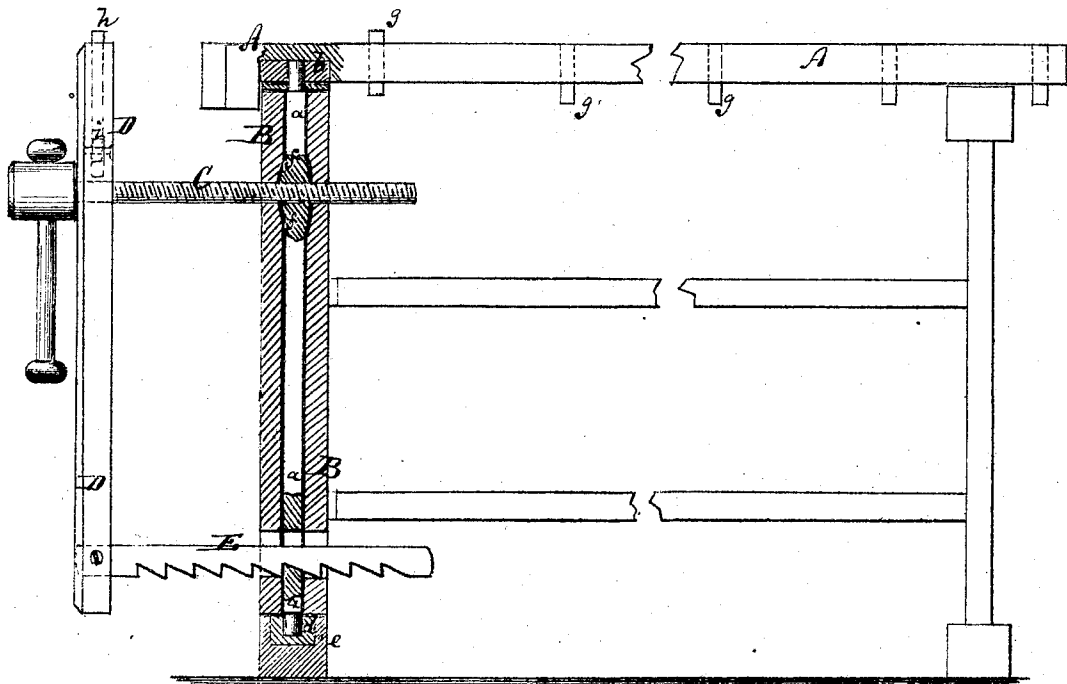


Fig. 2.

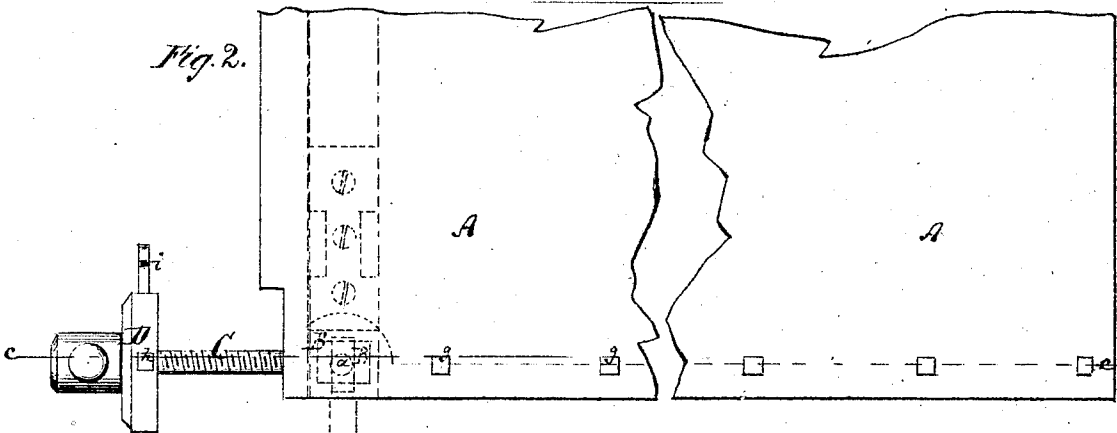
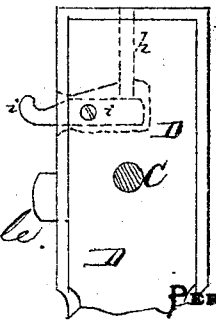


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

FRIEDRICH STARKE, OF DAYTON, OHIO.

IMPROVEMENT IN CARPENTERS' BENCHES.

Specification forming part of Letters Patent No. 118,980, dated September 12, 1871.

To all whom it may concern:

Be it known that I, FRIEDRICH STARKE, of Dayton, in the county of Montgomery and State of Ohio, have invented a new and Improved Carpenters' Bench; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 represents a side elevation, partly in section, of my improved carpenters' bench, Fig. 2 indicating the plane of section. Fig. 2 is a plan or top view of the same. Fig. 3 is a detail side view of the movable jaw.

Similar letters of reference indicate corresponding parts.

This invention has for its object so to apply the vise to a carpenter's bench that it can be set against the side or end of the table, as may be found most convenient. Carpenters' benches are at present either provided with a vise at the end or side only, or with two separate vises, the former plan being insufficient for the several kinds of work to be performed, while the latter is too expensive and cumbersome. My invention consists in swiveling the post in which the nut of the vise is held to a corner of the bench, so that the entire vise can thereon be turned to work against the side or end of the bench, as may appear convenient.

A in the drawing represents the top plate or table of a carpenter's bench. B is a post swiveled to one corner of the same. I prefer to put an iron rod, *a*, through the wooden post B, and

let its ends project beyond those of the post to constitute the journals of the post. A metal plate, *b*, is sunk into the under side of the plate A to receive the upper end of said rod *a*, while a step, *d*, is provided in a projecting foot, *e*, of the bench for receiving the lower end of the rod. In place of the rod *a* separate pins may be let into the ends of the foot for swiveling the same. *f* is a nut, let into the post B to receive the screw C of the vise. The screw is swiveled in the jaw D in suitable manner. E is a notched bar projecting from the lower end of the jaw D through an aperture of the nut *b* for the purpose of steadying the lower end of the jaw. Being thus connected with the swivel-post the vise can be turned at the corner of the bench so as to bring the jaw D opposite the end or side of the bench, as may appear most convenient to the carpenter. The efficiency of the bench is thereby greatly increased without the addition of mechanism. The bench-plate A has a series of jaws, *g g*, for the clamping of boards to be planed, &c. The jaw D has also a stop-pin, *h*, which is sunk into it from above and rests upon a lever, *i*, pivoted in the jaw, so that by means of such lever the stop can be raised for use.

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

A carpenter's bench, provided with the swivel-post B, to which the parts of the vise are connected, as and for the purpose specified.

FRIEDRICH STARKE.

Witnesses:

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(21.)