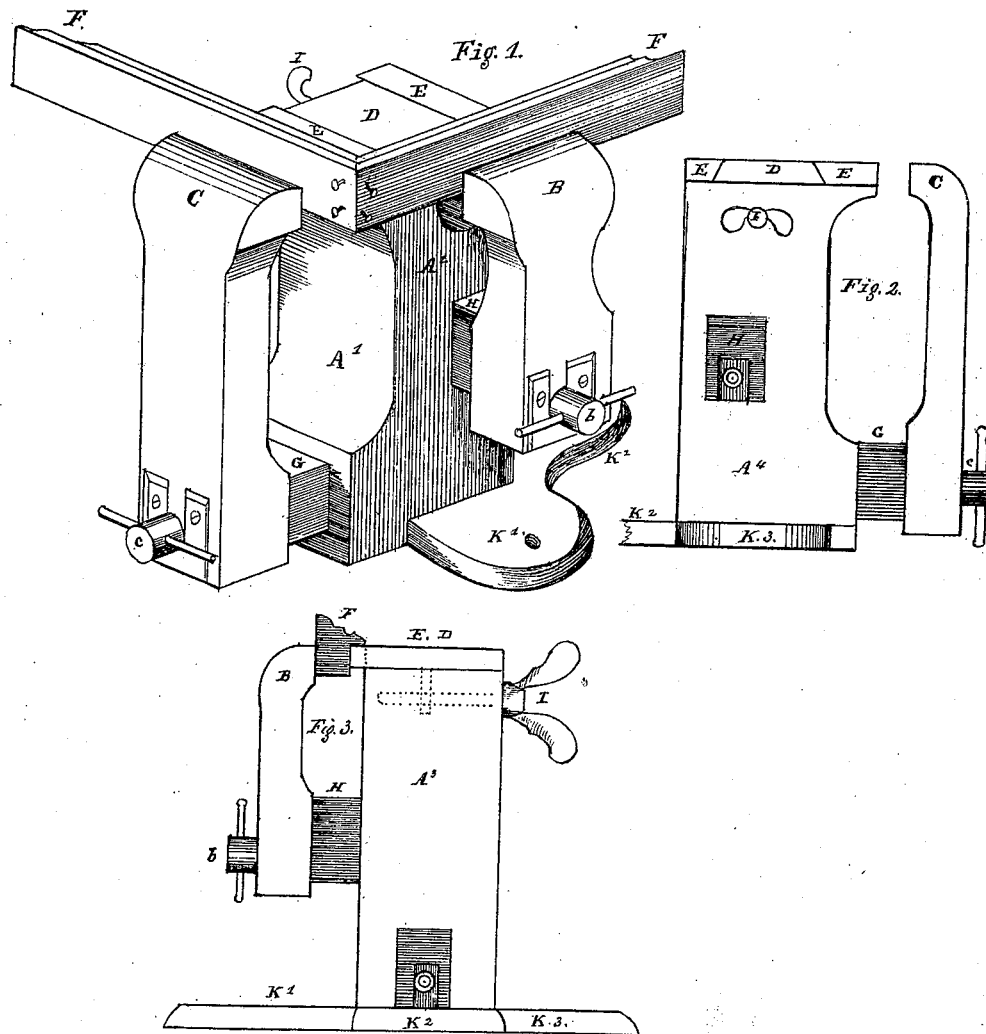


J. Good.

Vise.

No. 112,801.

Patented Mar. 21, 1871.



Witnesses.

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JONATHAN GOOD, OF LANCASTER, PENNSYLVANIA.

Letters Patent No. 112,801, dated March 21, 1871.

IMPROVEMENT IN VISES FOR JOINER'S USE.

The Schedule referred to in these Letters Patent and making part of the same.

I, JONATHAN GOOD, of the city of Lancaster, in the county of Lancaster and State of Pennsylvania, have invented certain Improvements in a Vise for Holding the Mitered Corners of Picture-Frames or the like for glueing or tacking the same, of which the following is a specification.

The nature of my invention consists in providing a vise having two jaws, to operate at right angles one with the other, to fit up against a square head, for the purpose of holding two pieces of a molding or frame on each side of the mitered corner, so that the two can be firmly held in place and tacked together with ease on each side of the corner, thereby preventing vexations, slips, and much loss of valuable time. The drawing clearly shows the construction and operation of the same.

Figure 1 is a perspective view, showing the mitered corner and tacks in the frame held in the jaws, and adjusted by the slide-plate D.

Figure 2 is a side elevation of the long-jaw C, sliding top D, screw I, and guide perforation H, and female screw h, in side A¹; G, the guide stem or slide to the jaw C, entering face or side A¹.

Figure 3 shows the short jaw B, with its guide H, entering side A¹; the side plate D pushed out against the shoulder of the rebate or rabbet in the frame F; the adjusting thumb-screw I, which moves the plate D; the perforation for the guide G and female-screw c, for the screw c to operate the jaw C; with the base-flanges K¹, K², and K³, for securing the same.

The foregoing will suffice to enable any one skilled in the art to make and use my invention.

Simply as a double vise there may be no special novelty; but any one who has joined picture-frames, using all sorts of devices, and experienced the annoyance of slips and displacements while in the act of tacking the corners, as I have for years, will readily

appreciate this improvement as one of the things much needed.

The central post A on its flanged base, otherwise may be affixed on the top of the work-bench. The top made truly square, with the jaws B C fitting up neatly on two sides, at right angles to each other, might answer in themselves; but it frequently happens that the miter is not exactly at 45°, or wanting a square face on account of inequality, so that it is necessary to make an adjustment. This I accomplish by means of a sliding top-plate, D, between the side ledges E, (together forming a level top.)

This sliding-plate has a central arm beneath it, with a screw-thread in it for the turning-screw, with its head I, by which the plate is moved back and forth to make the adjustment. By this simple but efficient arrangement the corner is firmly held, and can be secured by driving the springs from both sides, without change in the gripe or adjustment.

I am not aware that a vise with two pairs of jaws at right angles was ever known or used for the purpose of uniting mitered corners.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. The central four-sided column A, in combination with the jaws B C, operating at right angles, arranged substantially in the manner and for the purpose specified.

2. The top sliding-plate D, with the screw arrangement I, in combination with the center A, jaws B C, slides G H, all operating in the manner and for the purpose herein set forth and shown.

JONATHAN GOOD.

Witnesses:

J. W. FISHER,
JACOB STAUFFER.