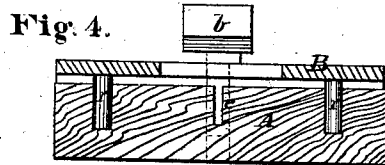
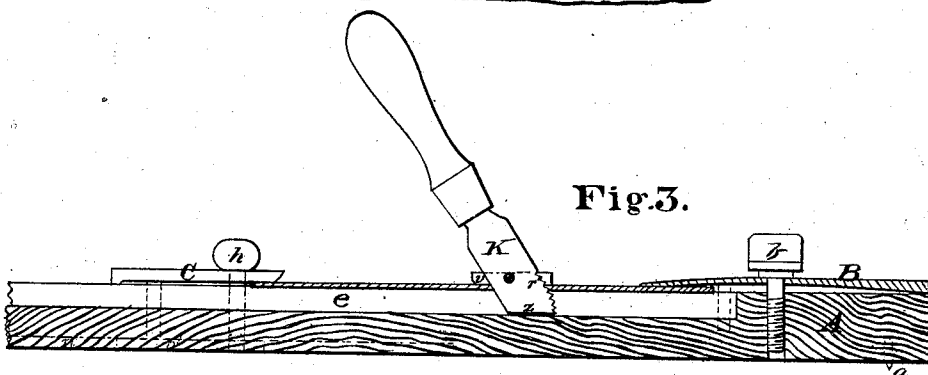
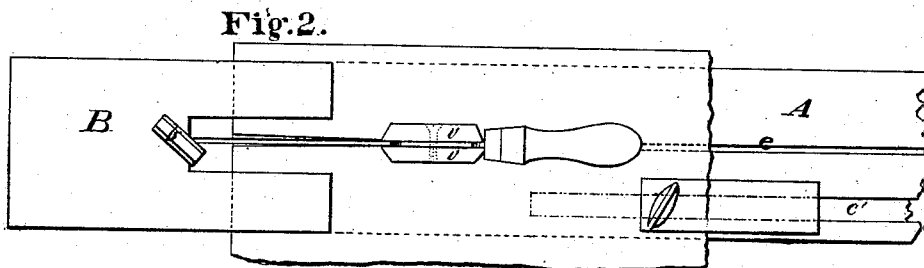
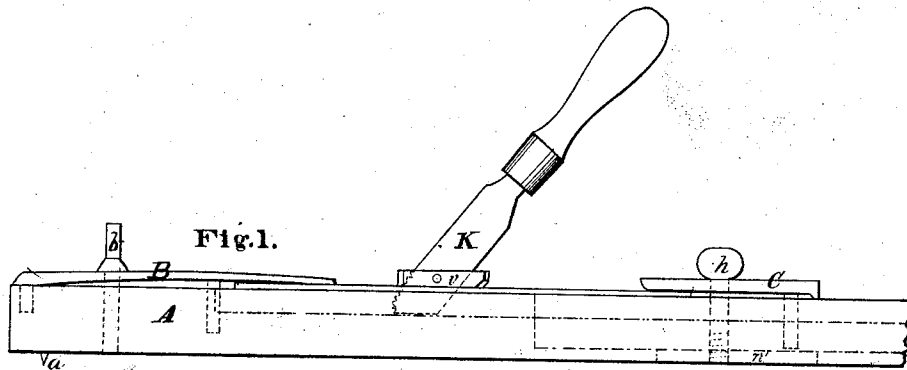


J. Rauch,

Oil Cloth Cutter.

No. 99474.

Patented Feb. 1. 1870.



Witnesses.

E. W. Anderson

L. D. Kanis,

Inventor.

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Attorneys

United States Patent Office.

JONAS RAUCH, OF SELIN'S GROVE, PENNSYLVANIA.

Letters Patent No. 99,474, dated February 1, 1870.

IMPROVED OIL-CLOTH CUTTER.

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

To all whom it may concern :

Be it known that I, JONAS RAUCH, of Selin's Grove, in the county of Snyder, and State of Pennsylvania, have invented a new and valuable Improvement in Oil-Cloth Cutters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1, of the drawings, is a side view of my invention;

Figure 2 is a top view; and

Figure 3 is a vertical longitudinal section of same.

Figure 4 is a transverse section.

My invention relates to oil-cloth cutters, and consists, mainly, in the construction and novel arrangement of devices, whereby a piece of oil-cloth may be secured to a platform, having a groove in it, to guide the dividing-knife or cutter, which is arranged with pivoted guards or bars, on each side of the blade, to prevent the same from penetrating into the groove beyond a certain depth.

The letter A, of the drawings, designates the platform or grooved plank.

The groove in which the knife-blade moves is marked *e*.

B represents a forked spring-plate, secured to the head of the board by a set-screw, *b*, and arranged to hold that edge of the oil-cloth, at which the incision is commenced.

With a view to keep the spring-plate B separated from the surface of the board A, two rubber cushions *r r* are seated on each side of the groove *e*. Thus the plate will always, when not pressed down by the thumb-screw, be raised sufficiently to admit of a ready insertion of the oil-cloth edge. In order to hold the platform, and prevent it from being drawn along by the traction of the knife in the oil-cloth, the small spike *a* is fixed in the end thereof.

To prevent the oil-cloth from turning sidewise, a second clamp, C, is employed, arranged to operate in

the slot *c'* of the platform, whereby it can be accommodated to oil-cloth of any width.

The slot is expanded on the under side of the platform at *n*, and the lower plate of the clamp C plays in this expanded portion of the slot.

The upper plate of the clamp is connected to the lower plate *n'*, by means of the thumb-screw *h*.

The knife is made with a broad blade, K, having bevelled end *z*, and back *r'* toothed partially for the purpose of cleaning out the groove of the platform.

Pivoted to the knife, on each side, are the guard-bars *r r*, bevelled at their front lower corners, so that they will not catch in any roughness or projection in the oil-cloth, but will slide readily on its surface. By the use of these bars, the bevelled end of the blade is kept from scraping the bottom of the groove, while, at the same time, the knife is prevented from penetrating too far in the oil-cloth, which is very apt to happen, on account of the great force and pressure necessarily exerted in cutting such material.

The bars are pivoted, so that whatever be the angle at which the knife is held, they will lie flat on the surface of the oil-cloth.

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

1. In combination with a platform, A, having forked clamp B, clamp C, and guide-channel *e*, the knife K, provided with the guards *r r*, pivoted to the sides of the blade, and toothed back *r'*, for cleaning out the groove of the platform, as specified.

2. The forked spring-clamp B, operated by a thumb-screw, and resting partially on the rubber cushions *r r*, as specified.

3. The knife K, provided with toothed back *r'*, and having the guard-bars *r r* pivoted to the sides of the blade, as specified.

In testimony that I claim the above, I have hereto subscribed my name, in the presence of two witnesses.

Witnesses :

SAML. ALLEMAN,
HORACE ALLEMAN.

JONAS RAUCH.