

No. 683,524.

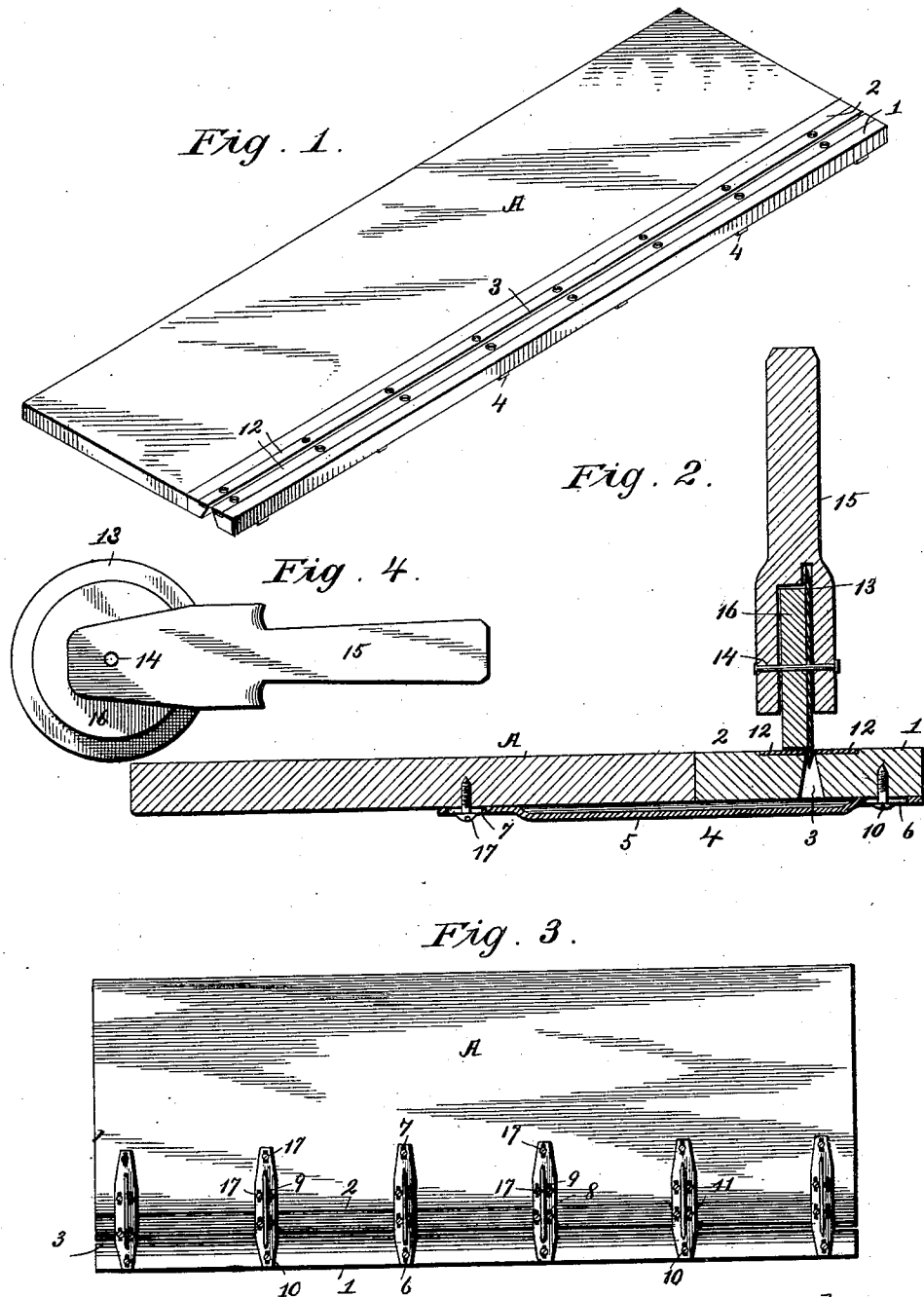
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U. S. TINKHAM.

ATTACHMENT FOR PAPER HANGERS' TABLES.

(Application filed Mar. 1, 1901.)

(No Model.)



Witnesses:

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UNITED STATES PATENT OFFICE.

URI S. TINKHAM, OF KANSAS CITY, KANSAS.

ATTACHMENT FOR PAPER-HANGERS' TABLES.

SPECIFICATION forming part of Letters Patent No. 688,524, dated October 1, 1901.

Application filed March 1, 1901. Serial No. 49,389. (No model.)

To all whom it may concern:

Be it known that I, URI S. TINKHAM, a citizen of the United States, residing at Kansas City, Wyandotte county, Kansas, have invented a new and useful Attachment for Paper-Hangers' Tables, of which the following is a specification.

My invention relates to attachments for paper-hangers' tables, and has for its object to provide an attachment of this character which can be easily and quickly attached to or removed from the table and which is adjustable with relation to the table and within itself to narrow or widen the knife-slot to insure the parallelism of its walls; furthermore, to provide an efficient attachment of this character which is of simple, strong, durable, and cheap construction.

To these ends the invention consists in certain novel and peculiar features of construction and combination of parts, as hereinafter described and claimed, and in order that it may be fully understood reference is to be had to the accompanying drawings, in which—

Figure 1 is a perspective view of a paper-hanger's table provided with an attachment embodying my invention. Fig. 2 is an enlarged cross-section of the table and of the complete attachment. Fig. 3 is an inverted plan view of the table and attachment. Fig. 4 is a side view of the rotary cutter which may be used in connection with my invention.

In the said drawings like reference-numerals designate corresponding parts.

The guide-frame of the attachment is constructed as follows:

1 2 designate similar parallel strips arranged a slight distance apart to provide the longitudinal slot 3, the walls of said slot diverging downwardly. These strips are mounted upon a series of transverse bars 4, of metal, said bars projecting inwardly of the strips, and in order to possess the desired stiffness and strength without unduly increasing the weight they are formed with a central longitudinal rib 5. At the front and rear ends of said ribs said bars are provided with slots 6 and 7 and at opposite sides of the rib with slots 8 and 9. Through slots 6 screws 10 extend upwardly into strip 1, and through slots 8 screws 11 extend upwardly into strip 2, the arrangement being such that either one or

both of said strips may be adjusted in order to increase or diminish the width of slot 3 and maintain the parallelism of its walls, as hereinbefore referred to.

Secured as shown or in any other suitable manner in shallow recesses in the upper sides of strips 1 and 2 are steel plates 12, said plates having their inner edges beveled at the same angle and arranged coincidentally with the edges of the strips forming the downwardly-diverging walls of the slot. These beveled edges of the plates, therefore, provide cutting edges, while the beveled edges of the strips serve as guides for the file used in sharpening said cutting edges, though it will be apparent that the cutting edges will need sharpening at long intervals only. To operate in conjunction with the guide-slot and cutting edges of the plates, a rotary knife may be used, consisting of a blade 13, having its edge beveled and journaled upon a pin or shaft 14, carried at the lower end of a handle 15, which handle is bifurcated to receive said blade, and a circular disk 16, secured thereto and adapted by traveling upon one of the plates 12 to limit the distance which the blade can protrude into the slot, as shown clearly in Fig. 2, and in this connection it is to be understood that it is immaterial as to which side of the blade the disk is located. In fact, there may be a disk at each side, although one is sufficient for all practical purposes.

To secure the attachment in operative position upon a paper-hanger's table, as indicated at A, it is arranged with strip 2 against the edge of the table and bars 4 fitting against the under side of the table, screws 17 extending up through slots 7 and 9 into the latter. This arrangement holds the guide-frame rigidly in its proper position with relation to the table, the slots of the bars obviously permitting said frame to be adjusted with relation to the table should the latter become twisted or warped more at one end than at the other, as frequently occurs, it being desired in such adjustment, of course, to have the sides of the slot parallel in order to insure that the paper shall be cut or trimmed in a perfectly straight line. Assuming now that the paper is placed upon the table in the usual manner, the selvage edge projecting beyond slot 3 is removed quickly and

neatly by inserting the blade of the knife in the guide-slot at one end of the paper and drawing it therethrough, the blade being rotated, because the disk rolls along upon the paper at one edge of the slot, preferably the inner edge. The disk holds the paper down to its place firmly, and as the cutting edge of the knife coincides with the outer side of the disk a clean even cut is insured. Where paper is to be cut to accommodate spaces around door or window casings, the knife is handled in the same manner—that is, it is turned so that the cutting edge shall coincide with the edge of the strip of paper which is to be used. The downwardly-diverging formation of the slot guards against the same being clogged up by paste or paper, which if it does not always drop freely through the slot to the floor can be easily and quickly removed, whereas a slot having walls occupying parallel planes would frequently become clogged up and interfere with the proper cutting and trimming of the paper.

From the above description it will be apparent that I have produced an attachment for paper-hangers' tables which embodies the features of advantage enumerated as desirable in the statement of invention, and while I have illustrated and described the preferred embodiment of the invention it is to be understood that I reserve the right to make such changes in the form, proportion, detail description, and arrangement of the parts as do not involve a departure from the spirit and scope of the invention.

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

1. An attachment for paper-hangers' tables consisting of a pair of parallel-spaced strips having their upper faces flush with that of the table, a series of bars extending beneath the table-top and the strips and having slots transverse to the length of said strips, and screws passing through the slots into the table-top and into the strips, as and for the purpose set forth.

2. An attachment for paper-hangers' tables consisting of a pair of parallel-spaced strips having their upper faces flush with that of the table, and the opening between their adjacent edges flaring downward, a series of bars extending beneath the table-top and the strips and having slots transverse to the length of said strips, and screws passing through the slots into the table-top and into the strips, as and for the purpose set forth.

3. An attachment for paper-hangers' tables consisting of a pair of parallel-spaced strips having their upper faces flush with that of the table and the opening between their adjacent edges flaring downward, cutting-plates countersunk into the upper faces of said strips with their inner edges flush with the walls of said opening, and means entirely beneath the strips for supporting them from the table-top and permitting the adjustment of the width of said opening, as and for the purpose set forth.

In testimony whereof I affix my signature in the presence of two witnesses.

URI S. TINKHAM.

Witnesses:

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G. Y. THORPE.