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PAPER HANGER'S KNIFE AND ATTACHMENT

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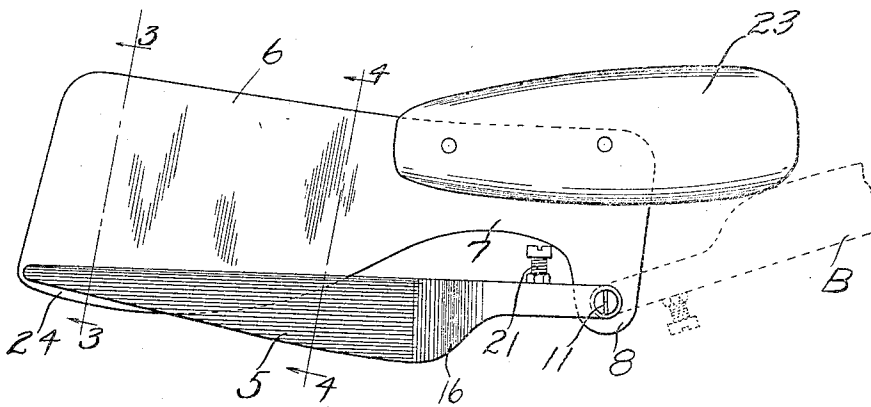


Fig. 1

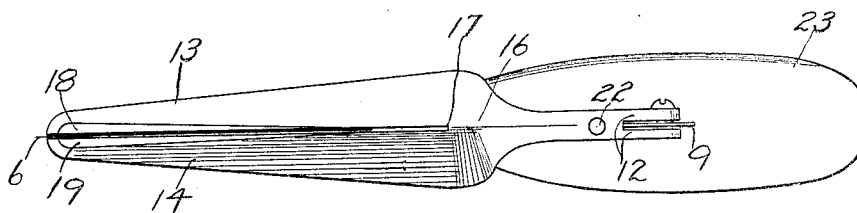


Fig. 2

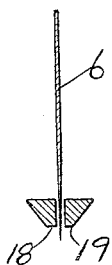


Fig. 3

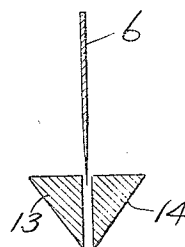


Fig. 4

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## UNITED STATES PATENT OFFICE

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## PAPER-HANGER'S KNIFE AND ATTACHMENT

Application filed February 5, 1931, Serial No. 513,535. Renewed May 2, 1932.

My invention relates in general to paper-hangers' knives and in particular to an improvement over my Patent No. 1,574,641, issued February 23, 1926. This improvement is directed to a combination of a blade and an adjustable guide which fits over the blade of a paper hanger's knife and is supported by the handle, the guide being of the type adapted to fit into the corners of a room, upon the top of a baseboard or around a door casing, and to guide the blade when trimming wallpaper in the corner.

One of the principal objects of my invention is to provide an improved arrangement for securing a guide to a paper hanger's knife, and to adapt the guide to provide means for forcing the paper into the corner between two adjacent walls simultaneously with the cutting of the paper.

Another object of my invention is to provide a blade for a paper hanger's knife such that a guide may be pivotally secured to the blade and swung back from a guiding position over the blade to a position against the handle so that the blade may be used in the manner of an ordinary knife.

A further object of my invention is to provide a blade of a paper hanger's knife and guide attached thereto, the device so designed that the operation of same may be directly controlled by gripping the handle and at a narrow neck portion of the blade.

Other objects and features of the invention will be apparent from a consideration of the following detailed description taken with the accompanying drawing wherein

Fig. 1 is a side elevation of my paper hanger's knife with the guide attached thereto;

Fig. 2 is a bottom view of same;

Fig. 3 is a sectional view of the knife and guide along line 3—3 of Fig. 1, and

Fig. 4 is a sectional view of the knife and guide along line 4—4 of Fig. 1.

In hanging wallpaper it is the usual practice where necessary to bring the paper into

corners or casings, baseboards and mouldings and the like with a rough edge. After the paste has been applied and the paper hung in place, those edges are trimmed off to give a neat and finished appearance. In doing this the paper must first be pressed firmly into the corner, and then cut along that corner.

Referring now to the drawing, Fig. 1 shows the paper hanger's knife with the guide 5 in working position over the blade 6. The blade 6 of the knife is very broad at the front, curving into a narrower neck portion 7, and then into a depending lug 8 at its shank. The guide 5 is split at 9 in its shank and thereby fits over the lug 8, and is pivotally attached to the blade by a screw or pin 11 which is inserted through threaded holes in the split sections 12 of the shank, and through a hole in the lug 8.

The guide 5 is constructed with two jaws 13 and 14 with a rounded connecting web 16, extending to 17. The jaws 13 and 14 taper forwardly and downwardly, with a forward bottom portion of each flat as at 18 and 19 respectively. The jaws are tapered to form less than a right angle so that when pressed into any corner or depression they will not interfere with the operation of the blade. A screw 21 threaded in a hole 22 in the guide makes it possible to adjust the guide so that it extends over the blade 6, and any desired portion of blade protrudes below same. This is necessary to adapt the guide to different size blades, or different uses, and to compensate for wear of the blade.

In the operation and use of my invention the guide 5 is swung into position over the blade 6 of the knife with the jaws 13 and 14 on either side of the blade and any desired portion of the blade protruding therefrom as at 24. This distance 24 is regulated by the adjusting screw 21, which rests against the narrowed portion 7 of the blade.

The knife is gripped at the handle 23 with

one or more fingers hooked over the blade at 7 if desired, and drawn in a direction away from the blade, with the rounded web 16 of the guide and the adjacent portion of either jaw pressing the paper into the corner and guiding the blade so that it will cut the paper along that corner. This will result in the edge of the paper being firmly pressed into the corner of the wall, and trimmed evenly and neatly.

If it is desired to use the blade as an ordinary knife for cutting paper laid upon a paper hanger's table, or any other purpose the guide may be swung back against the handle in position B indicated by the dotted line. The knife may then be grasped by the handle, with one or more fingers hooked over the blade at 7, which gives the operator more direct control of the knife by which he may obtain better results.

The knife blade will wear with continual use and it is often necessary to replace it in the knife. If this should be necessary the guide may be easily transferred by removing the screw 11 and then attached to the new blade in the same manner as explained above.

The guide, as set forth herein, is constructed of a solid piece of a light metal, as shown in cross section in Figs. 3 and 4. However, I do not restrict myself to this particular in the construction of the guide, nor is the device as a whole limited except by the scope of the appended claims.

What I claim as new and desire to protect by Letters Patent of the United States is:—

1. A paper hanger's knife comprising a blade consisting of a broad forward portion, narrowing down toward its shank with a depending lug forming a gripping portion forward of the lug for one of the fingers of the hand in holding the knife and adapted for pivotally supporting a smoothing guide thereby.

2. A paper hanger's knife consisting of a handle, a blade secured thereto, and a smoothing guide for forcing paper into a corner and guiding the blade, said blade having a depending lug at the rear end for pivotally attaching the smoothing guide thereto.

3. A paper hanger's knife consisting of a handle, a blade attached thereto, a depending lug at the rear end of the blade and integral therewith, a smoothing guide pivotally secured to said depending lug, and an adjusting screw threaded into the guide adapted to engage the edge of the blade for effecting relative adjustment between the guide and blade.

4. A paper hanger's knife consisting of a handle, a blade and smoothing guide, said blade with a broad forward portion narrowing down toward its shank with a depending lug at the rear end integral therewith and means for pivotally attaching said guide to said lug.

5. A paper hanger's knife consisting of a handle, a blade attached thereto, said blade consisting of a broad forward portion with a depending lug at its rear end, a smoothing guide pivotally secured to the depending lug, the forward portion of the blade protruding through the smoothing guide and means on said guide for engaging the blade and regulating that portion of the blade protruding through the guide.

In witness whereof, I hereunto subscribe my name this 23 day of Jan., 1931.

GAUTIER A. CHRISTOPHERSON.