P. SCARDINO.

PAPER TRIMMING APPARATUS FOR PAPER HANGERS' USE.

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1,202,435. Patented Oct. 24, 1916.

Fig. 1.

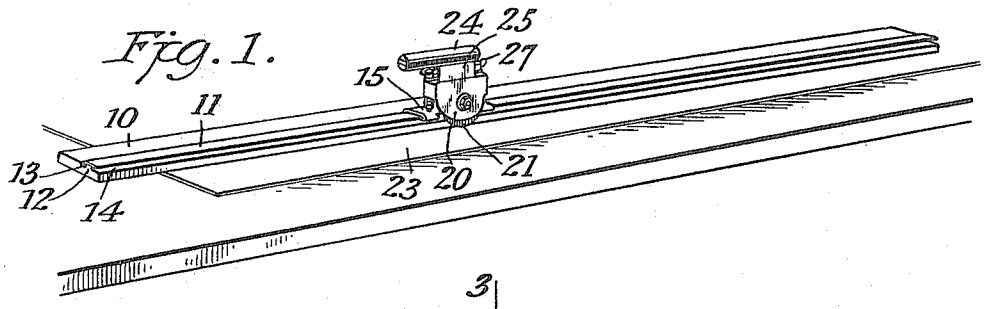


Fig. 2.

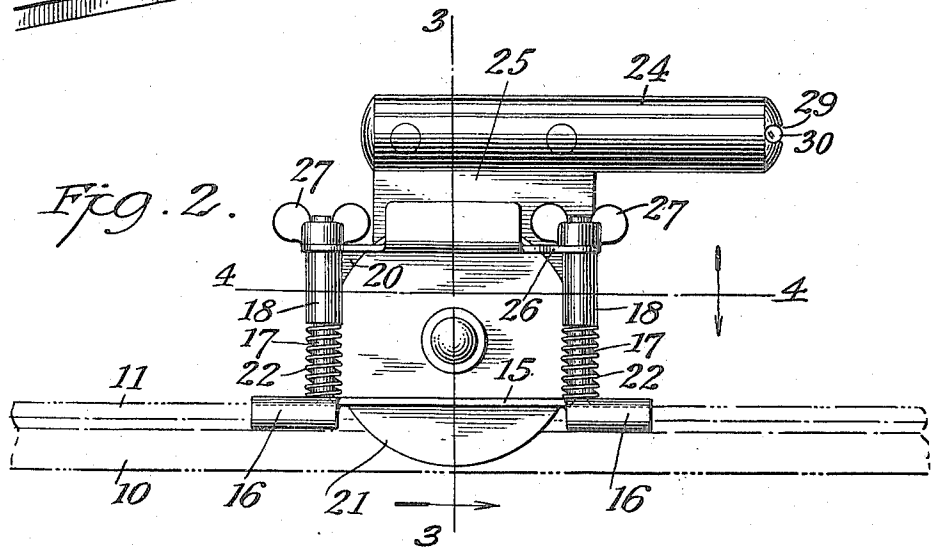


Fig. 3.

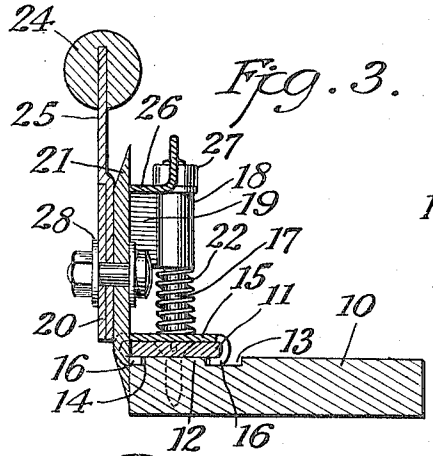


Fig. 4.

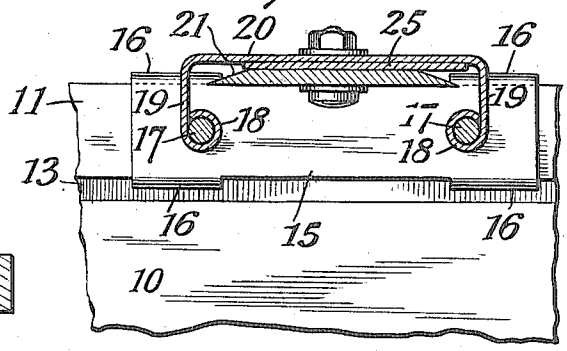
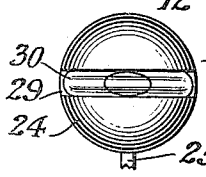


Fig. 5.



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PAPER-TRIMMING APPARATUS FOR PAPER-HANGERS' USE.

1,202,435. Specification of Letters Patent. Patented Oct. 24, 1916.

Application filed February 29, 1916. Serial No. 81,088.

To all whom it may concern:

Be it known that I, PIETRO SCARDINO, a subject of the King of Italy, residing at New York, county of Kings, and State of New York, have invented certain new and useful Improvements in Paper-Trimming Apparatus for Paper-Hangers' Use, of which the following is a full, clear, and exact description.

This invention relates to paper-trimming devices, particularly those used by paper-hangers, and its chief object is to provide improved means for the purpose, of simple and durable construction by which a clean, straight cut can be made.

To this and other ends the invention consists in the novel features of construction and combinations of elements hereinafter described.

One form of the invention is illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view showing the apparatus in use. Fig. 2 is a side view of the trimmer. Fig. 3 is a cross section on line 3—3 of Fig. 1. Fig. 4 is a horizontal section on line 4—4 of Fig. 2. Fig. 5 is an end-plan view of the trimmer handle, showing the spirit level.

The apparatus includes a straight-edge 10, of wood, having at one side-edge a flat rail 11 formed of a flat strip of metal, preferably brass, mounted on a flat rib 12 made by cutting a groove 13 in the top of the straight-edge and a rabbet 14 in the edge thereof. The overhanging edges of the strip 11 thus constitute guide rails on which the trimmer slides.

The trimmer comprises a base 15, formed of a flat piece of metal having lateral extensions or fingers 16 at its ends, which are bent under to embrace the edges of the rail 11, as clearly shown in Fig. 3. On the base plate two standards or vertical guides 17 are mounted, embraced by tubular slides 18 formed by lateral extensions 19 or arms on a carrier 20. The latter is composed of a flat piece of metal, and its extensions or arms are bent at right angles and have their end-portions bent to tubular form to provide the aforesaid slides 18. The carrier is thus mounted to slide vertically on the standards 17. Journaled in the center of the carrier is a rotary cutting or trimming disk 21 of the usual type. Coil springs 22, encircling the standards below the slides 18, normally hold the carrier in its upper position, with the trimming disk out of contact with the wall-paper 23 (Fig. 1) on which the straight-edge is laid in the usual manner. When the cut is to be made the carrier is depressed by means of a handle 24 fixed on the top of a plate 25 which is brazed or otherwise suitably fastened to the carrier. This brings the trimming disk into contact with the paper, and the trimmer is then moved along the rail 11.

Paper trimming devices of the kind described usually suffer hard usage, and in time the cutting disk or its pivot show wear, with the result that the disk can take an inclined position and can wabble as the trimmer is drawn along the straight-edge, thus producing a wavy cut. In my device this defect is overcome by providing a guide-plate 26 against which the upper portion of the disk bears lightly, thus preventing such portion from rocking inwardly, while the lower portion is prevented from inward displacement by the face of the straight-edge. The guide-plate 26 is formed of a flat strip of metal, and is fastened to the top of the standards 17 by means of wingnuts 27 so that it can be readily removed when desired, to permit removal of the carrier 20. Wear on the edge of the guide-plate and on the face of the straight-edge can be compensated for by using a thicker washer 28 under the nut on the pivot of the trimming disk.

Fixed in a transverse groove 29 in the end of the handle 24 is a small spirit level 30, Fig. 5. To determine whether or not the edge of the paper is vertical when applied to the wall it is only necessary to put the trimmer on the straight-edge and place the latter with its trimming edge in coincidence with the edge of the paper before the latter dries. The level will then be horizontal and parallel with the wall, and will at once indicate whether the paper is vertical. If not, it can be pulled off and re-applied. This feature is of great value in many instances, especially when a striped paper is being used. In such case a very slight deviation from the exact vertical is a serious defect in the work.

It is to be understood that the invention is not limited to the specific construction herein described, but can be embodied in other forms without departure from its spirit.

I claim:

1. A paper trimming apparatus for paper

hangers' use, comprising a straight edge, a metal strip fixed to the straight edge along one edge thereof and having both edges free to constitute guide rails, one of the said edges being in alinement with the edge of the straight edge to guide the trimming knife, a sliding trimmer having a base provided at each end with spaced apart inwardly extending lateral fingers embracing the edges of the said strip, posts extending upwardly from the base, a carrier frame of channel section having the ends thereof surrounding and engaging the posts, a trimming knife pivoted on the frame, and a handle for moving the trimmer along the said guide rails.

2. A paper-trimmer for paper-hangers' use, comprising a base adapted to slide along a straight-edge, a pair of spaced vertical standards fixed on the base threaded at their upper ends, a carrier mounted to slide vertically on the standards adapted to be removed therefrom for sharpening the knife, yielding means for holding the carrier in upper position on the standards, wing nuts on the upper ends of the standards to limit the extreme upward movement of the carrier, said nuts being removable for removing the carrier from the standards to sharpen the knife, a trimming disk mounted on the carrier and movable vertically therewith, and a handle mounted on the carrier.

3. A paper-trimmer for paper-hangers' use, comprising a base adapted to slide along a straight-edge, a pair of vertical standards fixed on the base, a carrier yieldingly mounted on the standards and adapted to slide vertically thereon, removable nuts on the upper ends of the standards to permit the removal of the carrier from the standards, a rotary trimming disk pivoted on the carrier, a guide-plate carried by the standards and bearing on the side of the disk at the top to prevent tilting of the disk, and a handle attached to the carrier.

4. A paper trimming apparatus for paper-hangers' use, comprising a straight edge, a groove and rabbeted portion along one edge thereof, a metal strip fixed to the straight edge and extending partially over the groove and over the rabbeted portion to the plane of the edge, a sliding trimmer having a base portion adapted to slide on the metal strip and having pairs of inwardly turned lugs on the opposite ends thereof to engage under the edges of the metal strip, a pair of spaced vertical standards fixed to the said base, a carrier having guide portions embracing the standards, yielding means for holding the carrier in upper position thereon, adjustable and removable portions on the tops of the standards to limit and adjustably control the upper extent of movement of the carrier, a trimming disk mounted on the carrier and vertically movable therewith, said trimming disk coöperating with the edge of the aforesaid metal strip to prevent the tilting of the disk in one direction and a guide plate carried by the disk to prevent tilting of the trimming disk in the opposite direction and a handle mounted on the carrier for moving the trimmer.

5. A paper trimmer for paper-hangers' use, comprising in combination a base adapted to slide along a straight edge, a pair of spaced vertical standards fixed to the base, a carrier of substantially channel section yieldingly mounted on the standards, a trimming disk pivotally secured to the carrier and a handle for the trimmer, the said handle extending between the trimming disk and the carrier and secured to the carrier by the pivot mounting for the trimming disk.

In testimony whereof I hereunto affix my signature.

PIETRO SCARDINO.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."