(No Model.)

G. H. CLARKE.

PAPER CUTTER.

No. 387,621. Patented Aug. 14, 1888.

FIG. 1

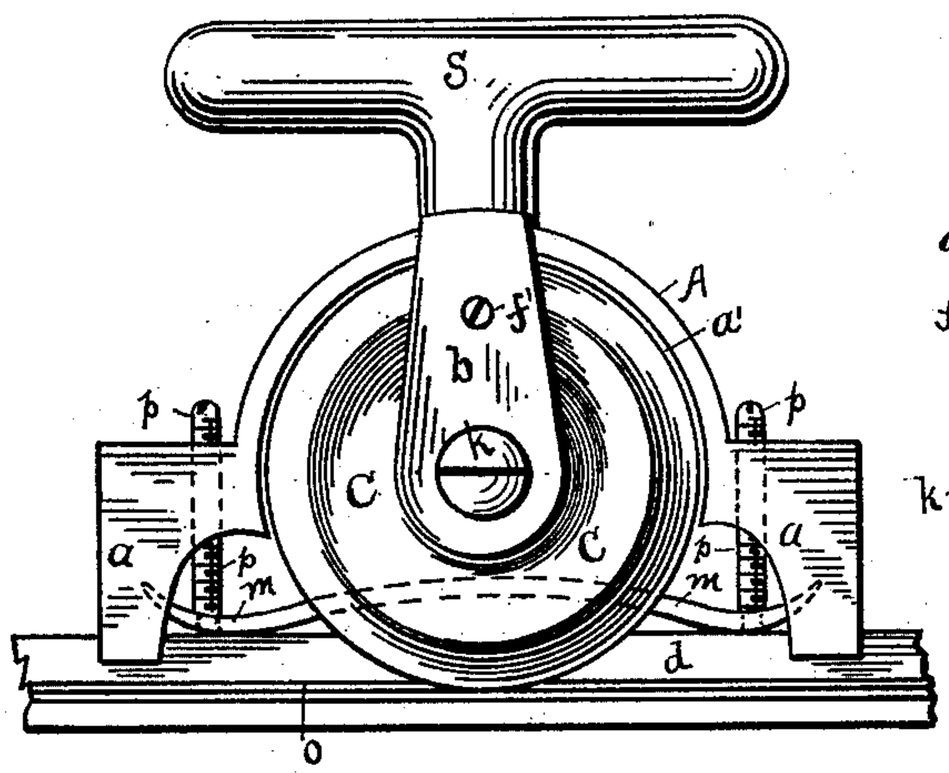


FIG. 2.

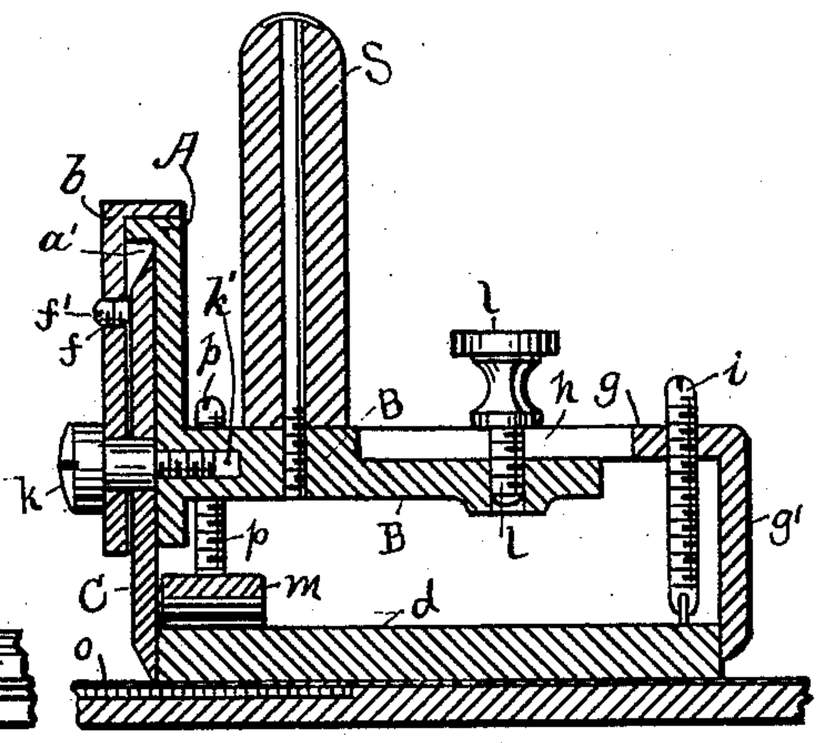
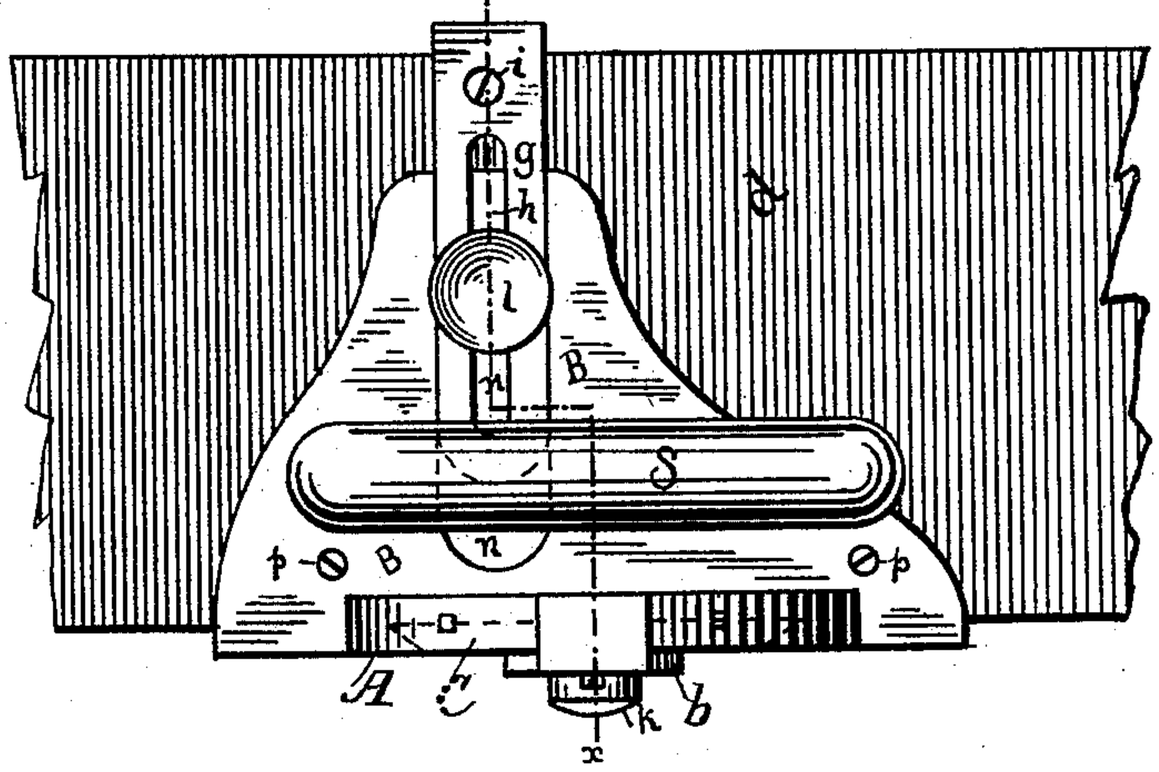


FIG. 3.



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UNITED STATES PATENT OFFICE.

GEORGE H. CLARKE, OF COLUMBUS, OHIO, ASSIGNOR TO JAMES S. BATTERSON AND MARTIN HENSEL, OF SAME PLACE.

PAPER-CUTTER.

SPECIFICATION forming part of Letters Patent No. 387,621, dated August 14, 1888.

Application filed February 2, 1887. Serial No. 226,220. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. CLARKE, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented a certain new and useful Improvement in Paper-Cutters, of which the following is a specification.

My invention relates to the improvement of devices for cutting paper, and especially relates to devices for trimming wall-paper; and the objects of my invention are, first, to provide a simple and effective cutting device of this class, so constructed as to admit of its being readily adjusted for use with straight-edges of various thicknesses and widths, and, second, to so pivot the cutting-disk to the frame of the device as to cause the paper to be cut close to the straight-edge and to provide means for the lateral adjustment of said cutting-disk. These objects I accomplish in the manner illustrated in the accompanying drawings, in which—

Figure 1 is a front elevation of my device in position for use. Fig. 2 is a sectional view taken on line *x x* of Fig. 3, and Fig. 3 is a plan view.

Similar letters refer to similar parts throughout the several views.

B represents a flat metallic plate the front side of which is provided at each end with a downwardly-projecting lug, *a*, and a central upwardly-projecting portion, A, preferably half-circular in form, said projecting portions being cast with the plate and forming a part thereof. A half-circular depression, *a'*, is formed in the front surface of the portion A, of a depth sufficient to bring its depressed surface on a line with the inner surfaces of the lugs *a*. From the central portion of the top edge of the portion A is made to extend, slightly outwardly and thence downwardly, a fixed bearing-arm, *b*. Loosely journaled in this arm *b* and the depressed portion *a'* of the portion A by means of a short bolt, *k*, the screw-threaded inner and smaller end of which is made to enter a screw-hole, *k'*, in the plate, is a sharpened disk, C, the flat inner side of which is seated loosely within the depression *a'*. When in this position, the outer surface of the disk is about flush with the outer surface of the front side of the plate.

Made to fit within a screw-hole, *f*, formed in the upper portion of the arm *b*, is a short screw, *f'*, the inner end of which is adapted to bear lightly against or within close proximity to the surface of the disk. By turning this screw it will be seen that a lateral adjustment of the disk may be had.

The upper surface of the plate B is provided with an oblong rearwardly-extending depression, *n*, within which is adapted to be made to slide an extension-arm, *g*, having its rear end bent downwardly to form a rear clamping-arm, *g'*. The horizontal portion of this arm is provided with a central elongated slot, *h*, in rear of which, at a point near the downward bend, is formed a vertical screw-hole, through which is made to pass an adjusting-screw, *i*, having a small projecting bearing-roller pivoted within a slot formed in its lower end.

l represents a set-screw, made to pass vertically downward through the slot of the arm *g* and to enter a screw-hole in the plate B, said set-screw having a flaring head adapted to be made to bear against the upper surface of the arm *g*.

Formed in the plate B, at points slightly in rear of the front lugs, *a*, are vertical screw-holes, through which are made to pass adjusting-screws *p p*, the lower ends of which are connected to the ends of a transverse metallic pressing-strip, *m*, which, being preferably curved at its central portion, is made to extend beneath the front portion of the plate B.

In order to adjust the device for use, it is first necessary that the arm *g* be drawn outward or inward until the distance between the inner sides of the clamping-arm *g'* and the lugs *a* is but slightly greater than the width of the straight-edge to be used, admitting of the latter being loosely fitted therein.

To provide for the use of straight-edges of various thicknesses, the adjusting-screws *p* and *i* may be turned until the under side of the strip *m* and the lower end of the screw *i* are at the proper height to admit of the upper side of the straight-edge *d* bearing against the said screw and strip, while its under side is but slightly above the lower edge of the disk C, as shown in Fig. 2 of the drawings.

S represents a handle made to project from the upper side of the plate B, preferably consisting of a rounded vertical piece of wood having a top cross-piece, said vertical portion being fitted around a central metallic stem, the lower screw-threaded end of which enters a screw-hole in the plate B.

In order to use the above-described device, it is first necessary to adjust it, by the means hereinbefore mentioned, to the size of the straight-edge to be used. This adjustment, it will be seen, will admit of the device being fitted loosely over the straight-edge, on which it is made to slide, causing the downwardly-projecting edge of the disk C to sever the projecting edge *o* of the paper first placed beneath close to the front line of the straight-edge.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a paper-cutter, the combination of the plate B, having lugs *a*, depressed projecting portion A, and bearing-arm *b*, with the cutting-disk C, journaled in said arm *b* and portion A, disk-adjusting screw *f'*, slotted extension-arm *g* and its clamp *g'* and set-screw *l*, substantially as and for the purposes specified.

2. The combination of the plate B, having lugs *a*, depressed projecting portion A, and bearing-arm *b*, with the cutting-disk C, journaled in said arm and portion A, disk-adjusting screw *f'*, slotted extension-arm *g* and its clamp *g'* and set-screw *l*, and adjusting-screws *i* and *p p*, the latter being connected to the pressing-strip *m*, substantially as and for the purpose specified.

GEORGE H. CLARKE.

Witnesses:
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