W. FIELD.

DEVICE FOR CUTTING WALL PAPER.

APPLICATION FILED SEPT. 8, 1913.

1,108,161.

Patented Aug. 25, 1914.

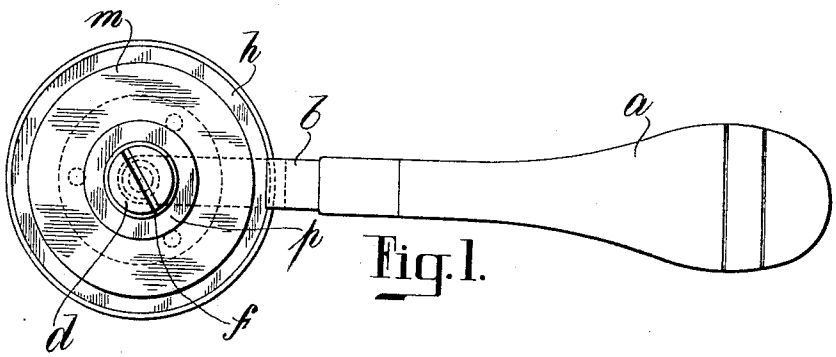


Fig. 1.

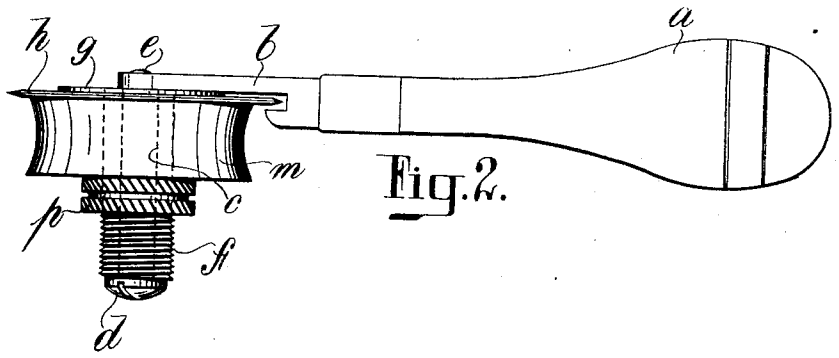


Fig. 2.

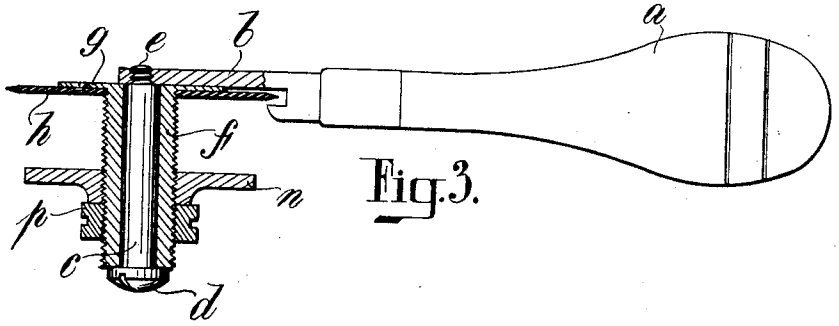


Fig. 3.

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DEVICE FOR CUTTING WALL-PAPER.

1,108,161. Specification of Letters Patent. Patented Aug. 25, 1914.

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To all whom it may concern:

Be it known that I, WILLIAM FIELD, a subject of the King of Great Britain, residing at 3 Hamilton Place, Penge, in the county of Kent, England, have invented certain new and useful Improvements in Devices for Cutting Wall-Paper; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to means for cutting wall paper around skirtings, door frames, windows and the like and refers to an improved apparatus or device by means of which the paper can be very accurately cut so as to fit neatly and closely to the edges of the skirtings, wainscoting or the like, thus enabling the use of scissors to be avoided to a large extent.

The invention consists generally in providing a circular knife or cutter suitably mounted so as to rotate around a bearing pin or its equivalent carried by a suitable handle, means being provided for mounting a gage wheel or wheels or the like of suitable sizes above the cutter, with means for enabling such gage wheels to be easily changed and for enabling them to be moved nearer to or farther from the cutter according to the shape of the molding or the like upon which such wheels are to roll when the device is in use.

In one particular way of making an apparatus according to the present invention a suitable handle is provided carrying a flattened shaft which is furnished near the outer end with a suitably threaded hole. I also provide a pin of suitable size screw-threaded at the extremity and adapted to screw into the beforementioned hole at the end of the handle. Mounted so as to rotate upon the aforesaid pin is a sleeve or hollow spindle which is screw-threaded on its outer surface and is held in position by an enlarged head carried upon the beforementioned pin. This screw threaded sleeve has provided on the inner end thereof a flange against which the circular cutting knife is mounted either by screwing it on to the thread on the sleeve or by means of projecting pins fitting into holes or by screws. A gaging roller is provided adapted to screw on to the sleeve and to be locked at the required distance from the knife by means of a suitable lock nut. The apertures in all the last mentioned parts that is the circular knife, gaging roller, and the lock nut are preferably of sufficient size to pass over the head of the fixed pin, which is smaller in diameter than the outer diameter of the sleeve. And in order that my said invention may be better understood, I will now proceed to describe the same with reference to the drawing accompanying this specification, in which:—

Figure 1 is a side elevation of the device; Fig. 2 is a plan of same; Fig. 3 is a similar view to Fig. 2, partly in section, but provided with a different gaging roller.

The same letters of reference are employed to denote the same parts in all the views.

a is a handle which is provided with a projecting flattened metal rod *b*.

c is a pin which is furnished with an enlarged head *d* and with a screw threaded portion *e* screwing tightly into a hole in the rod *b*.

f is a sleeve or hollow spindle which is provided with a flange at *g* and has a screw thread formed on the outer surface thereof.

h is a circular cutting knife which may be screwed on to the sleeve *f* attached to the flange *g* by means of screws as shown at Fig. 3.

m, Fig 2, is a gage wheel which is also screwed into position upon the sleeve *f*, its distance from the knife being adjusted to suit requirements.

p is a milled lock nut which screws on to the sleeve *f* and locks the gaging roller *m* in position.

The method of using the device will be readily understood. The gaging roller after being adjusted according to the shape or depth of the molding is rested so that it can roll along the edge of such molding, frame or the like around which the paper is to be cut with the edge of the circular knife coming into the desired cutting position, then when the handle is drawn along, all the parts mounted on the hollow spindle *f* rotate therewith about the fixed pin *c*. In this way a very neat and close edge can be cut upon the paper to be fitted.

Any number of gaging rollers may be provided which can be easily interchanged for one another, the surfaces of such rollers being suitably formed or shaped in order to enable the device to be used with moldings

or frames of any required contour. At Fig. 3 another such roller is shown denoted by *n* which is kept at the required distance from the knife *h* by means of the lock nut *p*.

In some cases a perforation or perforations may be provided in one or more of the parts, for instance in the circular knife, by which the loosening of the parts may be effected when taking them to pieces.

It will be understood that the particular construction of the device just described is merely given by way of example as the particular method of forming the various parts and mounting them with relation to one another may be varied to suit requirements without departing from the principle of my invention.

What I claim and desire to secure by Letters Patent of the United States of America is:—

1. In a device for cutting wall paper, the combination of a handle, a flattened metal rod carried by said handle, a pin screwed into said flattened rod, a sleeve rotatable upon said pin and provided with an external screw thread, a rotary cutter fixed on said sleeve, a gaging roller adapted to screw on to said sleeve and to be adjusted at various distances from the said rotary cutter, a locking nut adapted to screw on to the said sleeve and to lock the gaging roller after adjustment, and an enlarged head to said pin for holding the sleeve in position on said pin substantially as described.

2. In a device for cutting wall paper the combination of a handle, a flattened metal rod on said handle, a pin screwed into said flattened rod, a sleeve rotatable upon said pin and furnished with an external screw thread on the exterior thereof and with a flange at the end adjacent to the flattened rod, a rotary cutter adapted to be passed on to said sleeve, screws screwing through the flange on the sleeve and into the blade of the cutter for holding same in position, a gaging roller provided with an internally screw threaded central hole and adapted to screw on to the sleeve so that its distance from the rotary cutter can be adjusted, a lock nut adapted to screw on to the sleeve and to lock the gaging roller in position after adjustment and an enlarged head to the fixed pin for holding the sleeve in position substantially as described.

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

WILLIAM FIELD.

Witnesses:
L. SEMMAIDS,
H. ROWLEY.

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