D. F. McHALE.

WALL PAPER SELVAGE TRIMMING MACHINE.

APPLICATION FILED JULY 27, 1914.

1,118,945. Patented Dec. 1, 1914.

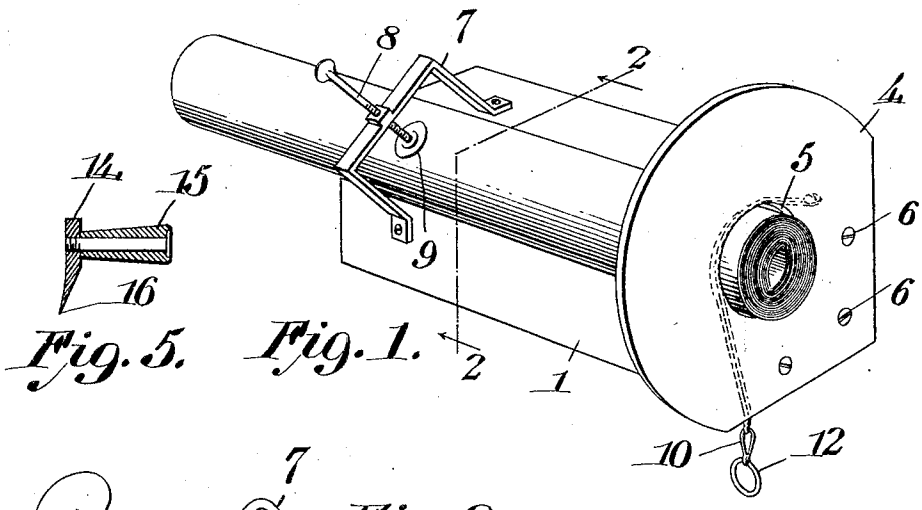


Fig. 5. Fig. 1.

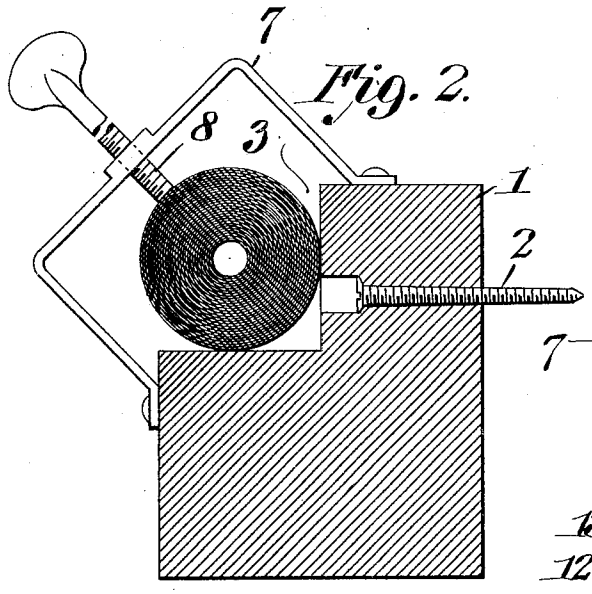


Fig. 2.

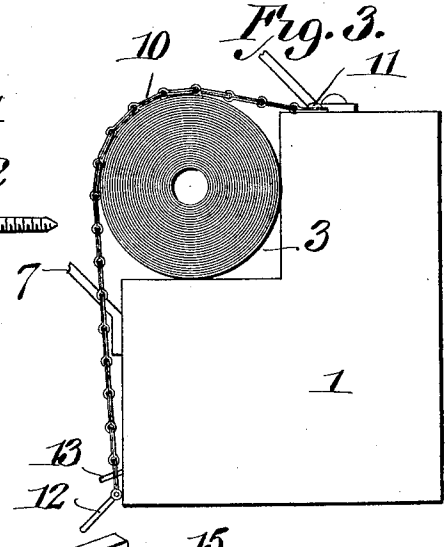


Fig. 3.

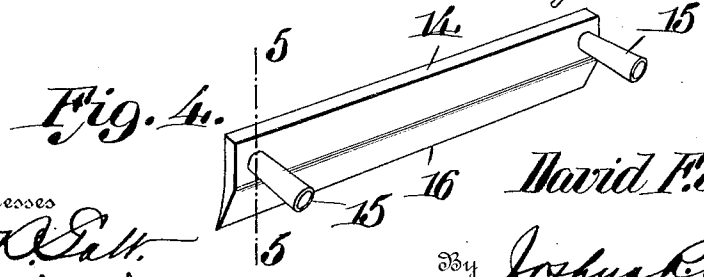


Fig. 4.

Witnesses

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UNITED STATES PATENT OFFICE.

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WALL-PAPER-SELVAGE-TRIMMING MACHINE.

1,118,945. Specification of Letters Patent. Patented Dec. 1, 1914.

Application filed July 27, 1914. Serial No. 853,535.

To all whom it may concern:

Be it known that I, DAVID F. McHALE, a citizen of the United States, residing at Dunmore, county of Lackawanna, and State of Pennsylvania, have invented certain new and useful Improvements in Wall-Paper-Selvage-Trimming Machines, of which the following is a specification.

This invention relates to wall paper trimming devices, and has for its primary object to provide improved means for cutting or trimming the longitudinal edges of wall paper without unrolling the same.

A further object of my invention is to provide means whereby the edges of the wall paper may be trimmed evenly or smoothly before the paper has been unrolled, and which is capable of accommodating and cutting rolls of various sizes.

My invention still further contemplates an improved mechanism for supporting the rolls of wall paper, wherein the said rolls may be quickly and easily applied to or removed from the device.

My invention still further provides improved means for securing the paper rolls, whereby the same are held rigidly during the cutting operation, and thereby assuring a clean and even cut.

A still further object of my invention is to provide a device as above briefly described, further characterized by an improved cutting element, adapted for use in connection with the device and wherein the longitudinal edges of rolled wall paper, or other similar material, may be trimmed efficiently with the least effort, and without special skill being displayed by the operator.

With these objects in view, together with others which will appear as the description proceeds, my invention consists in the novel combination and arrangement of parts, all as will be more fully described hereinafter, and particularly pointed out in the claims hereunto appended.

My invention will be better understood with reference to the accompanying drawings wherein I have shown a practical embodiment of the same, and in which—

Figure 1 is a perspective view of the wall paper roll supporting device, Fig. 2 is an enlarged transverse section, taken upon the line 2—2 of Fig. 1, and looking in the direction indicated by the arrows, Fig. 3 is an end view of the device illustrated in Fig. 1, the end plate of the same being removed, Fig. 4 is a perspective view of the improved knife used in connection with my invention, and Fig. 5 is a detail sectional view taken substantially upon the line 5—5 of Fig. 4.

Referring now more particularly to the drawings, 1 represents the body portion of the improved wall paper trimming device, which may be constructed as shown of a block, and which is adapted to be secured to a wall or other stationary support by means of securing members, such as are shown at 2. This block is provided, preferably at its forward side and near the top, with a longitudinally extending channel 3, of sufficient breadth to accommodate the usual standard size rolls of wall paper. Secured to one end of the block 1, and extending transversely thereof, is a plate 4, formed preferably of metal, and provided near its center, or at such point in its surface as to register with said channel, with an opening 5. This plate may be secured to the block 1 in any preferred manner, screws 6 being provided in the present instance, and having their heads counter-sunk to present a smooth outer surface to the plate 4.

As an improved means for rigidly supporting the paper roll within the channel 3, I provide a bracket 7 adjacent one end of the block within which is threaded a paper clamping screw 8. It is to be observed that the bracket 7 spans the channel 3 in order that the paper clamping element may most efficiently engage the paper roll, and it is also to be noted that a disk 9 is provided upon the end of the screw 8 to protect the paper from becoming torn while being clamped within the channel. As a convenient and efficient means for securing the paper roll within the channel adjacent the opposite end of the block I provide a flexible member 10, in the form of a chain. This chain is secured as at 11 at one of its ends to the upper surface of the block, the opposite end being provided with a ring 12 whereby the same may be engaged conveniently with the finger. A peg 13 is located upon the forward face of the block 1 for securing the chain through its various links. It is obvious that this arrangement provides an efficient means for securing the end of the paper roll within the channel 3, capable of accommodating rolls of various sizes, and yet which may be quickly and easily attached and detached to permit of

the ready application or removal of a roll to or from the channel 3. It is also apparent that the clamping member at the opposite end of the block 1 is capable of quick and easy adjustment, and yet which securely holds the roll within the channel.

In Fig. 4 of the drawings I have illustrated a knife which I find most practical in the paper trimming process, and which comprises a comparatively short narrow blade 14, provided at the opposite ends with outwardly extending handles 15 whereby the blade may be easily manipulated with the hands. These handles are preferably swiveled upon the blade in order that various twists of the blade may be conveniently made during the cutting operation. It is also to be observed that the knife is curved transversely, or hollow ground, whereby the edge 16 of the blade is kept in sharp condition by its continual frictional engagement with the plate 4 upon the block during the cutting process.

It is to be understood that when it is found necessary for any reason to trim the longitudinal edges of a wall or other paper, the roll is inserted within the channel 3 of the block, with the end thereof protruding beyond the outer face of the plate 4 such distance as it is desired that the edge be trimmed. The clamping screw 8 is then operated to hold the paper roll in position at the remote end of the block, while the chain 10 is drawn across the paper near the opposite end of the block and is secured at its free end by engagement of one of its links over the peg 13 to hold the paper roll rigid near the end to be cut. The knife 14 is then grasped in the hands by the handles 15 with the cutting edge 16 engaging the protruding end of the paper roll. In operating the knife the same is held firmly against the smooth outer face of the plate 4, sufficient inward pressure against the paper roll being imparted to the knife to cut through the several thicknesses of the same at each movement around the circumference of the roll. It will be readily seen that a clean and accurate severance of the paper may be had by this arrangement, and it is obvious that by reason of the paper roll being so positioned upon the block as to be spaced from the wall or support to which the device is attached, access may be had from all points in the circumference of the roll during the cutting operation. It is also to be observed that the plate 4 is cut flush with the innermost face of the block 1 whereby the edges of the same are in engagement with the wall when the device has been applied thereto, thereby relieving the block and its securing members of a considerable amount of strain and twists incident to the cutting operation.

I claim:

1. In a device of the class described, a block provided with a channel adapted to be secured to a wall, a metallic plate provided with a centrally disposed opening secured to one end of said block with said opening in alinement and communicating with said channel, means upon said block for securing a roll of paper within said channel with one end protruding beyond said plate, and a knife comprising a hollow ground blade provided at its opposite ends with swiveled handles for severing said protruding end, substantially as described.

2. The combination of a support for holding rolled paper provided with a metallic plate through which said paper is adapted to extend, of a knife provided with a hollow ground blade adapted to engage against said plate in cutting the said extending end, substantially as described.

3. In a device of the class described, a block of substantially rectangular shape adapted to be secured to a wall or support and having its outer and upper faces cut away to provide a channel coextensive with the said block, a plate secured to one end of said block having its edges flush with the bottom and rear faces thereof and being provided with an opening in registration with said channel, and means for securing a roll of paper within said channel and said opening, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

DAVID F. McHALE.

Witnesses:
ROBERT G. MOFFITT,
JAMES A. HOLLERAN.

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