(No Model.)

F. W. MOELLER.

WALL PAPER TRIMMING MACHINE.

No. 475,134. Patented May 17, 1892.

Fig. 1.

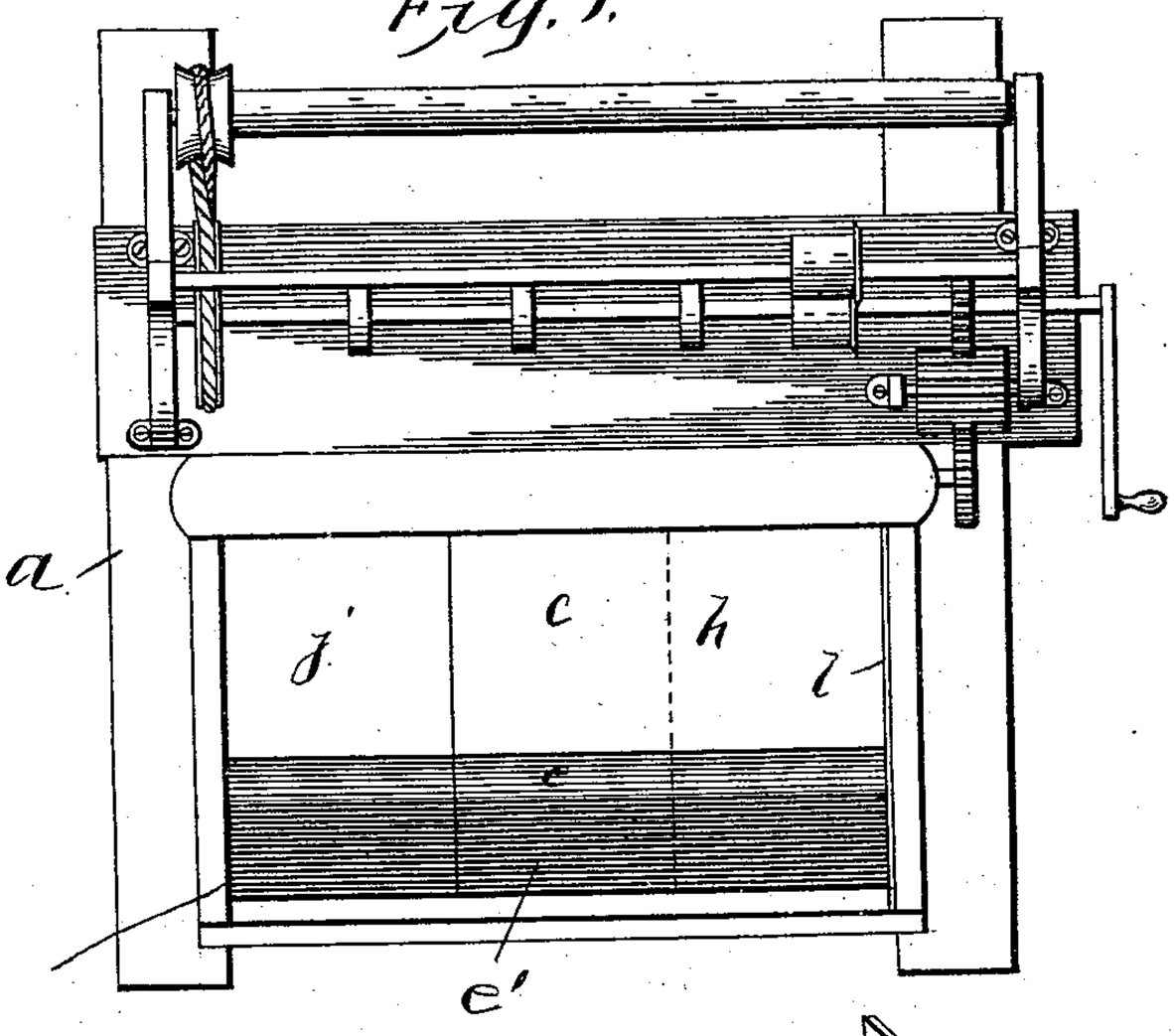


Fig. 2.

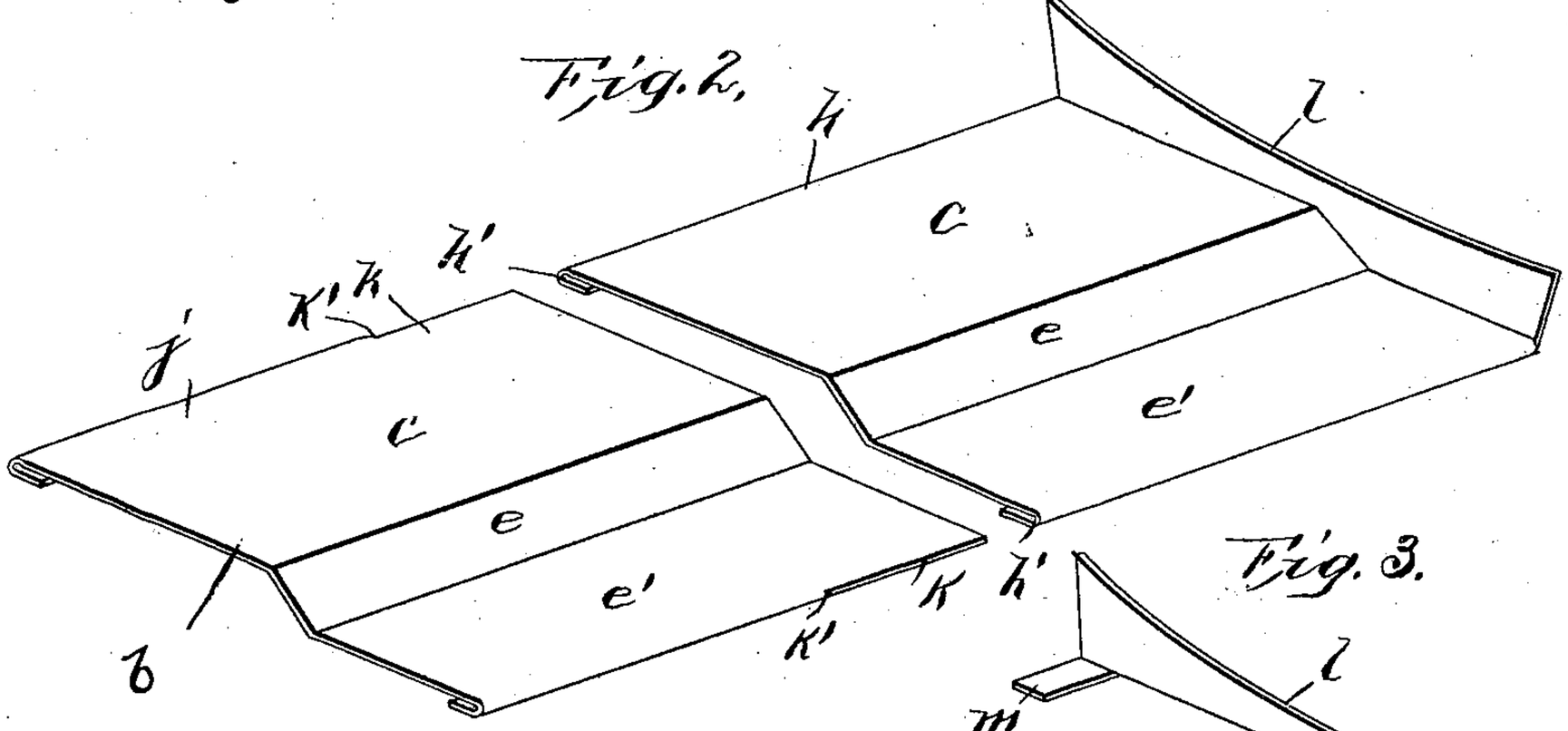


Fig. 3.

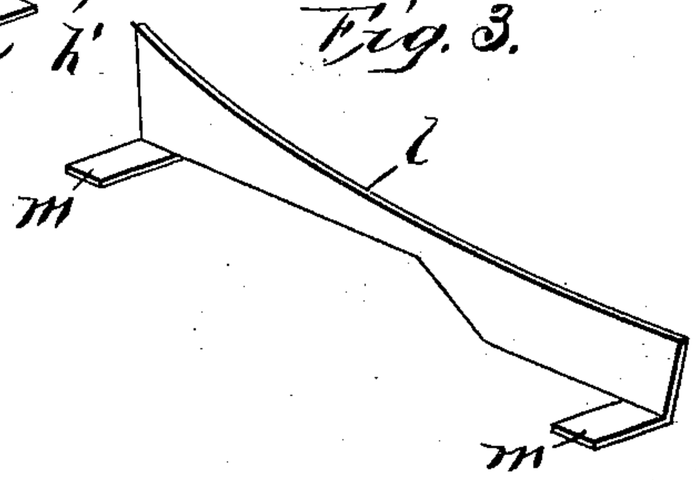
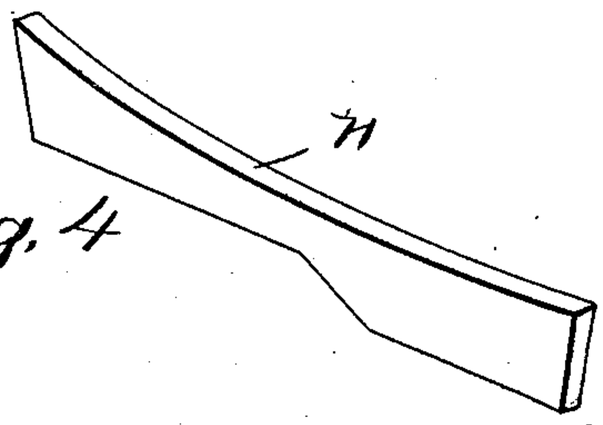


Fig. 4



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UNITED STATES PATENT OFFICE.

FREDERICK W. MOELLER, OF WASHINGTON, DISTRICT OF COLUMBIA.

WALL-PAPER-TRIMMING MACHINE.

SPECIFICATION forming part of Letters Patent No. 475,134, dated May 17, 1892.

Application filed December 14, 1891. Serial No. 415,024. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK W. MOELLER, of Washington, in the District of Columbia, have invented certain new and useful Improvements in Wall-Paper-Trimming Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to certain improvements in wall-paper-trimming machines.

Heretofore in using wall-paper-trimming machines it has been found that such machines become unfit for use after a short time, the constant movement of the roll of paper while being fed between the rollers and to the cutting-disks tending to wear not only the bed of the machine over which such roll and paper travel, but also cutting a groove in the right-hand side of the machine in which the edges of the paper bear, thereby causing such paper to be fed unevenly to the rollers and cutter and very often causing the paper while being fed to become twisted and torn, necessitating the removal of the roll and causing great waste and the entire abandonment of the machine.

My invention therefore consists of a bed-plate preferably made in sections, so as to be easily taken apart and packed in a small space for transportation, this bed-plate being so constructed as to serve as a wearing-plate for the bed or work-table of the machine and to form a new bed for worn-out machines otherwise rendered useless, the particular construction of which will be hereinafter described.

In the accompanying drawings, Figure 1 is a top plan view of the ordinary style of wall-paper-trimming machine with my improved wearing-plate in position. Fig. 2 is a perspective showing my improved device in sections, the end extension being rigid therewith. Fig. 3 is a modification in perspective of the end extension, adapted to be attached to one end of the bed-plate, and Fig. 4 is a perspective of a block adapted to be inserted between the end extension and the side of the machine when it is desired to trim paper having a very narrow edge.

Like letters of reference mark the same parts throughout the different views.

a indicates an ordinary trimming-machine having the usual feed-rolls, cutting-disks, &c.

b indicates my improved wearing-plate, made, preferably, of tin or some other hard material having a smooth surface. This wearing-plate is preferably made in sections and has the top smooth surface *c*, over which the paper is fed, and is bent over at the points *e* and outwardly again to form the pocket or recess *e'* for the reception of the roll of paper, which is held in place by the operator while the paper is being trimmed. The front and rear sides of the section *h*, it will be noticed, are bent over to form a guideway or groove *h'* for the reception of part of the section *j*, one end of which is adapted to enter the guideway or groove of section *h*. The object of having this plate made in sections is obvious, as its length can be regulated for different-sized machines by simply moving either of the sections back or forth.

As shown in Fig. 2, the part *j* has its front and rear edges bent over to form guideways; but in this case the bent-over portion extends but a little more than half-way of the length of this section, part of the guideway being cut away, as shown at *k*, thus forming a stop *k'* for the points of the bent-under portions of section *h*.

l indicates the end piece, against which the edges of the paper to be trimmed bear as the same travels over the bed of the machine. This end piece or extension *l* can either be formed rigid with the section *h*, as shown in Fig. 2, or it can be provided with the extensions *m m*, formed integral therewith, such extensions or arms *m m* being adapted to enter the guideway or bent-under portion at one end of section *h*, thereby holding such end piece in position. This end piece of the bed-plate is stamped out of a single piece of metal, together with the end lugs and integral therewith, as a blank, for the better packing for transportation. When unpacked for use these lugs are turned up at near right angles to the plate in such manner as to be inserted in the

grooves intended for that purpose. By this means soldering is done away with and an economical construction is produced.

n indicates a block, adapted to be inserted between the end piece *l* and the frame of the machine when it is desired to trim paper having narrow selvage.

To use my improved wearing-plate, all that is necessary is to slide the two sections *h* and *j* together, secure the side piece *l* in position, and place the whole into the bed of the machine.

With my attachment in position the machine can be used for years without any noticeable wear on any part of the bed of the machine or sides thereof.

As heretofore stated, the machines now in use become worn in a short time to such an extent that they become unserviceable. From constant use the paper not only wears the plane surface of the bed, but also cuts a deep groove into the side frame of the machine and in a very short while the machine is useless. With my invention machines which have become worn and useless can be used again, and, in fact, are as good as new. None of the worn parts need be removed, it only being necessary to place my improved anti-wearing plate in position on the old and worn-out bed.

Instead of making the wearing-plate in sections, the same can be made in a single piece of tin or other suitable smooth-surfaced material.

Having thus fully described my invention, what I claim is—

1. A wall-paper-trimming machine having a bed and a guiding-edge at one side thereof, and a metallic wearing-plate removably fitting said bed and provided with an upwardly-extending edge at one side to fit said guiding-edge, substantially as described.

2. An anti-wearing bed-plate for wall-paper-trimming machines, made in sections, one section having its front and rear edges turned under to form grooves or guideways, an end piece secured thereto, the other section being formed with its edges bent under to form guideways or grooves for part of its length, the cut-off portion of said last-mentioned section serving as a stop for section *h* when the two sections slide together, as set forth.

3. An anti-wearing bed-plate for wall-paper-trimming machines, made in sections, having their front and rear edges bent under the upper surface of the plate to serve as guideways or grooves, the sections being formed to slide one on the other, and an end piece having arms projecting from its sides at its end to enter such guideways or grooves at an end of one section, substantially as described.

4. As a new article of manufacture, a bed-plate for the bed or work-table of wall-paper-trimming machines, made in sections having their front and rear edges bent under for part of their length, the other section being formed with similar bent-under portions for its entire length to form grooves or guideways in which the first-named section is adapted to slide, and an upwardly-extending end piece having arms or projections integral therewith to slide in the grooves or guideways in the end of one of said sections, as set forth.

5. The herein-described wearing-plate for wall-paper-trimming machines, made in sections, one of said sections being provided with a right-angular end piece, and means, substantially as described, for uniting said sections, as set forth.

6. A wall-paper-trimming machine having a bed and a guiding-edge at one end thereof, and a metallic adjustable extensible wearing-plate removably fitting said bed and provided with an upwardly-extending edge at one side to fit said guiding-edge, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

FREDERICK W. MOELLER.

Witnesses:
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