UNITED STATES PATENT OFFICE.

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METHOD OF DIVIDING METALLIC LEAF ATTACHED TO A SUPPORTING-STIP.


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To all whom it may concern:

Be it known that I, CHARLES E. SMITH, a citizen of the United States, residing at Oak Lawn, in the city of Cranston, in the State of Rhode Island, have invented a new and useful Method of Separating the Undeposited Portion of Metallic Leaf Remaining upon a Supporting-Strip from the Deposited Portion, of which the following is a specification.

My invention consists in the improved method of separating the fillet of metallic leaf which remains upon a supporting strip, from a deposited portion thereof, as hereinafter set forth.

In the accompanying drawing: Figure 1 represents a side elevation of an implement adapted for carrying out my invention. Fig. 2 represents a rear view of the same. Fig. 3 represents a section taken in the line 3, 3, of Fig. 1. Fig. 4 represents the pressure-block as tilted upon its forward edge.

In the drawing, A represents the frame of a hand operated implement, B the handle by means of which it is operated, C the pressure-block under which the supporting strip D and metallic leaf E from the package roll F are drawn by the operator, G is a lateral projection from the frame A against which the supporting strip D, when freed from the metallic leaf E, is held by means of the flat spring H. The package roll F is held at one side for rotation upon the pin I, which enters the axial perforation a, of the roll, and is retained thereon by means of the tension spring K, which latter is made adjustable to large rolls of different widths by means of the shank L and set screw M.

In the use of this implement for carrying out my invention the paper strip D and its attached film of metallic leaf E is to be first drawn under the pressure block C, as shown in Fig. 1, by pulling upon the outer end b of the supporting strip. When the said implement is in a raised condition and then pressing the metallic leaf E squarely upon the surface c which is to be ornamented, and tilting the implement forward 50 as shown in Fig. 4, and at the same time pressing the leaf-dividing edge d against the back of the supporting strip, the metallic leaf at one side of said dividing edge will become disintegrated or broken from that remaining on the other side so that upon raising the pressure block C the separated film of metallic leaf will be left upon the surface upon which it was pressed, and have a true edge at the line of division; the portion D' of the paper strip, from which the metallic leaf has been removed, being supported above the surface e, by means of the lateral projection G and spring H.

I do not limit my claim to the pressing and tilting movement shown and described but include broadly the simultaneous movement and pressure of an edge at the back of the supporting strip for dividing the attached metallic leaf.

I claim as my invention:

The method of separating the undeposited portion of metallic leaf remaining upon the supporting strip from the deposited portion of said metallic leaf, which consists in simultaneously pressing and moving a separating edge upon the back of the supporting strip.

WITNESSES:

Socrates Scholfield,
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CHARLES E. SMITH.