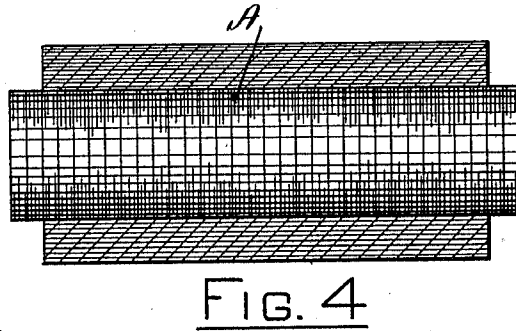
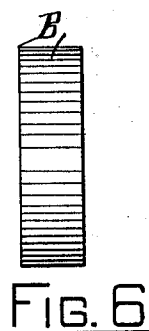
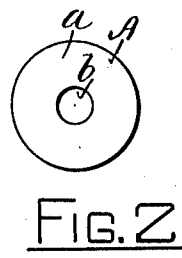
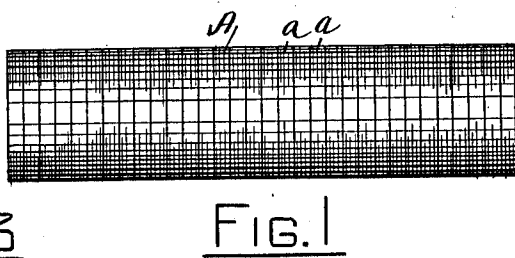
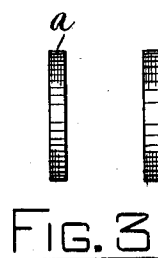


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# UNITED STATES PATENT OFFICE.

CHARLES E. SMITH, OF OAK LAWN, RHODE ISLAND.

PACKAGE-ROLL OF METALLIC LEAF.

1,031,386.

Specification of Letters Patent.

Patented July 2, 1912.

Application filed June 23, 1909, Serial No. 503,961. Renewed July 1, 1910. Serial No. 570,013.

*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 county of Providence and State of Rhode Island, have invented a new and useful Improvement in Package-Rolls of Metallic Leaf, of which the following is a specification.

Heretofore in the practical manufacture of package rolls of gold or other metallic leaf it has been the sole custom to employ an elongated core of wood with the grain of the wood running longitudinally of its axis, upon which core, the supporting strip and the metallic leaf was first wound and then divided by means of a rotary saw into shorter lengths or widths for sale and use. The teeth of the saw when cutting through the roll, necessarily carry away a considerable quantity of the gold leaf, and this waste of valuable material it is the object of my invention to avoid, and also to facilitate the division of the primary elongated roll into the shorter lengths or widths desired. And my invention consists in the employment of a core formed of axially juxtaposed laminated disks of pasteboard or similar material, adapted for division by splitting and upon which the supporting strip and metallic leaf is wound, whereby the primary elongated package roll of metallic leaf may be readily divided transversely at any portion of its length by means of a knife, which, after cutting through the wound supporting strip and metallic leaf, serves to split the core transversely, whereby the waste of gold leaf, as in the division of such rolls by means of a saw, will be obviated, and their division into the desired lengths or widths be greatly facilitated.

In the accompanying drawings: Figure 1 represents a side view of an elongated core for a package roll of metallic leaf embodying my invention. Fig. 2 represents an end view of the same. Fig. 3 represents an edge view of one of the transverse disks of pasteboard or other easily split laminated material, of which the core is formed. Fig. 4 represents a side view of the core and a longitudinal section of the supporting strip and metallic leaf wound thereon, the section being taken in the line 4, 4, of Fig. 5. Fig. 5 represents the face view of a narrow package roll formed by the transverse division of the elongated roll represented in

Fig. 4. Fig. 6 represents an edge view of the same. Fig. 7 represents an end view of a core embodying my invention and having an attached circumscribing envelop of paper.

In the accompanying drawing, *a* represents a circular disk of ordinary pasteboard provided with a central perforation *b*, the laminated layers of which disk may be readily split from each other by means of a knife, and *A* represents a transversely laminated elongated core, formed by the adherent axial juxtaposition of several of the disks *a*, *a*, which may be held together for use by means of any suitable adhesive material. The perforated core *A* which is thus formed by the juxtaposed axial arrangement of the said disks, may be covered with an attached winding of paper *c* as shown in Fig. 7 if desired. After the paper strip and metallic leaf have been wound upon the core so formed, the package roll may be readily divided transversely, by means of a knife, at any desired point without the removal and waste of any of the material of the roll, the knife readily cutting through the supporting strip and metallic leaf and then splitting the core transversely of its axis, at any point in the length of the roll.

A narrow roll *B* formed by the transverse division of an elongated roll *A* having a laminated core, is shown in Figs. 5 and 6, in which Fig. 5 is a face view, and Fig. 6 an edge view.

I claim as my invention:—

1. A package roll of metallic leaf having a core formed of axially adherent disks of laminated material, which disks are adapted for being divided transversely of their axes by means of the knife which serves to sever the paper strip and metallic leaf wound thereon.

2: A package roll of metallic leaf having a core formed of axially adherent disks of laminated material, and provided with a peripheral covering; which disks are adapted for being divided transversely of their axes by means of the knife which serves to sever the paper strip and metallic leaf, wound thereon, and also the peripheral covering of the core.

CHARLES E. SMITH.

Witnesses:

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