May 17, 1932. W. S. LUTZ 1,858,371

GOLD LEAF LAYING DEVICE

Filed Sept. 30, 1931

Fig. 1.

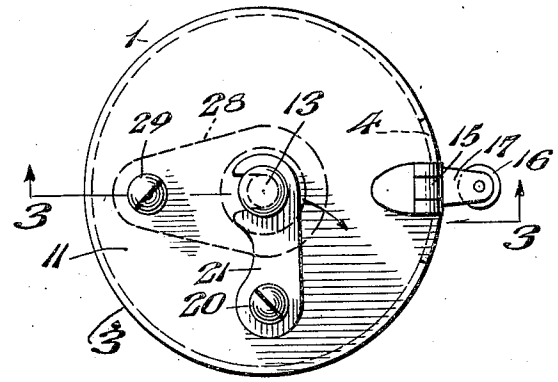


Fig. 2.

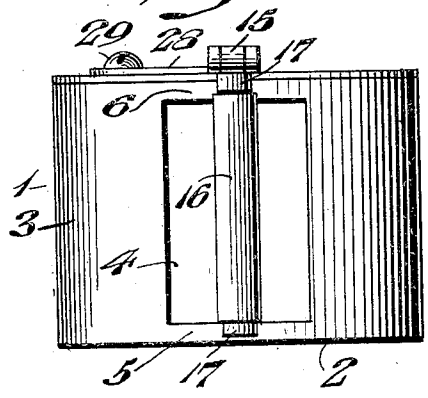


Fig. 3.

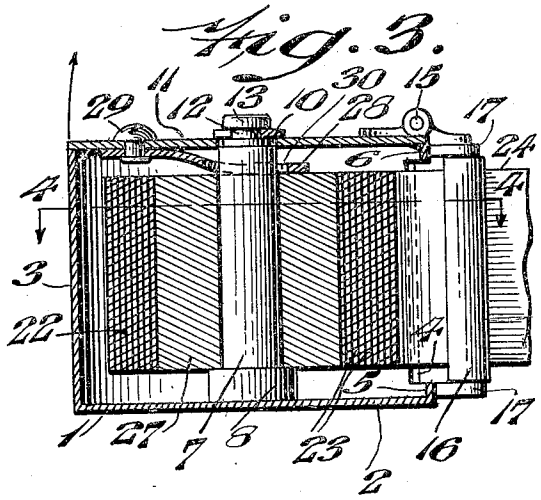
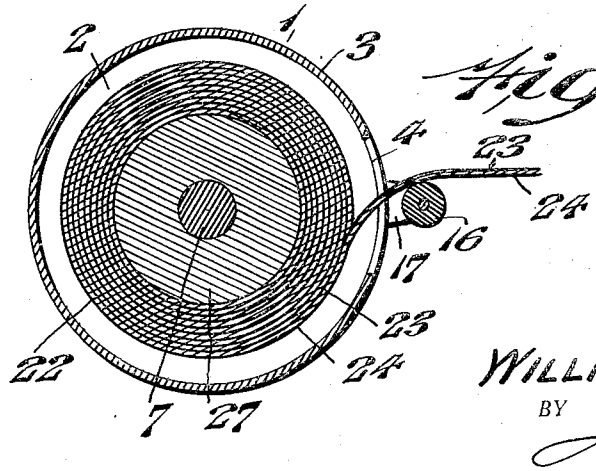


Fig. 4.



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UNITED STATES PATENT OFFICE

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GOLD LEAF LAYING DEVICE

Application filed September 30, 1931. Serial No. 566,005.

My invention relates to a new and useful gold leaf laying device for use by craftsmen engaged in lettering, wherein the letters composing the name or other phrase to be inscribed is to be laid out in gold leaf.

My present invention is to be distinguished from gold leaf rolling devices which consisted of a casing adapted to contain a roll of gold leaf backed by paper or other substance, said casing having a roller connected therewith, which roller served to press the gold leaf drawn out of the casing against the glass or other panel on which the gold leaf letters are to be laid, and which panel had been previously smeared with a certain kind of mucilage. Gold leaf rolling devices can only be used with a certain type of quick drying mucilage, and in these cases the gold leaf cannot be pressed against the panel until the mucilage covering the outlines of the letters is almost completely dry, as otherwise the gold leaf band or strip is likely to slip out of line and the mucilage is likely to be squeezed out in bubbles, which produce a rough outline along the outer edges of the gold leaf.

My present invention is adapted for "laying" as opposed to "rolling" of the gold leaf used in lettering, whereby the gold leaf is laid gently on the mucilage with which the panel has been previously coated, so that it is not necessary to wait until the mucilage has dried before applying the gold leaf, which is applied to the mucilage-treated area, without any pressure, and merely by gentle contact of the gold leaf with the mucilaged surface.

My invention further relates to various other novel features of construction and advantage, all as hereinafter described and claimed in connection with the accompanying drawings, in which:

Figure 1 represents a plan view of a gold leaf laying device embodying my invention.

Figure 2 represents a side elevation of Figure 1.

Figure 3 represents a section on line 3—3 of Figure 1.

Figure 4 represents a section on line 4—4 of Figure 3.

Referring to the drawings, in which like reference characters designate like parts, my novel gold leaf laying device comprises a casing 1, which is preferably circular as shown in the drawings, and which is provided with the bottom 2 and the side wall 3. The annular side wall 3 of the casing is cut away as at 4, the cut away portion being less than the entire height of the casing, so as to leave the upper and lower flanges 5 and 6. To the bottom 2 of the casing is suitably secured the stem 7 which has the enlarged bottom hub or base 8 and which is adapted to protrude through an opening 10 in the top 11 of the casing, the upper end of the stem being provided with a reduced portion 12 and an enlarged head 13, as will best be understood from Figure 3. The cover 11 of the casing is hinged at 15 to the upper end of the roller 16 which is journaled at its upper and lower ends in the lugs 17 which are secured to the upper and lower flanges 6 and 5 respectively. To the top of the cover 11 is pivoted at 20 the catch 21 which is adapted to engage the reduced portion 12 on the upper end of the stem 7 which protrudes through the cover 11, whereby the cover is suitably maintained in closed position with respect to the casing 1. Within the casing 1 is positioned the roll of gold leaf and paper backing generally designated as 22 which is composed of the inner gold leaf layer 23 and the outer paper backing 24. The gold leaf roll 22 is preferably, but not necessarily, wound around the core 27 which is in the form of a spool mounted to revolve freely on the stem 7 and to rest upon the enlarged hub or base 8 thereof to maintain the gold leaf roll 22 out of contact with the bottom 2 of the casing 1. In order to prevent the undesirable or accidental rotation of the gold leaf roll 22 around the stem 7, I provide the flat spring 28 which is secured at one end thereof to the bottom side of the cover 11 by means of the screw 29, and which is provided with the opening 30 through which the upper end of the stem 11 is adapted to pass, so that the spring 28 always exercises downward pressure on the core 27 which carries the gold leaf roll 22 to maintain the latter taut and to prevent rotation of the core 27 and unwinding of the gold leaf

roll 22 except when desired. The gold leaf 23 with its paper backing 24 is pulled out through the opening 4 past the roller 16 and is held with one hand while the casing 1 is held in the other hand and moved away, the gold leaf being in the meantime brought into gentle contact with the mucilaged area on which the gold leaf is adapted to be glued, without the aid of any pressing rollers, the function of the roller 16 being simply to form an anti-friction guide for the gold leaf as it emerges from the casing.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent is:

A gold leaf laying device comprising an annular casing having an opening in the vertical annular wall thereof, a stem secured to the bottom of said casing and extending beyond the uper edge thereof, said stem having an enlarged base portion and a reduced top portion, lugs carried by the annular vertical walls of said casing in registration with said opening, a roller journaled in said lugs, a cover for said casing hinged to the upper of said lugs, said stem projecting through said cover, a catch pivoted on the upper side of said cover and having a hooked end adapted to engage the reduced portion of said stem to lock said cover in closing position, a gold leaf roll carrying spool mounted for free rotation around said stem and resting on said enlarged base, and a spring carried by the under side of said cover and adapted to bear on said spool.

In testimony whereof I affix my signature.

WILLIAM S. LUTZ.