

(No Model.)

W. H. COE.
ROLL FOR APPLYING DECORATIVE FILMS.

No. 548,113.

Patented Oct. 15, 1895.

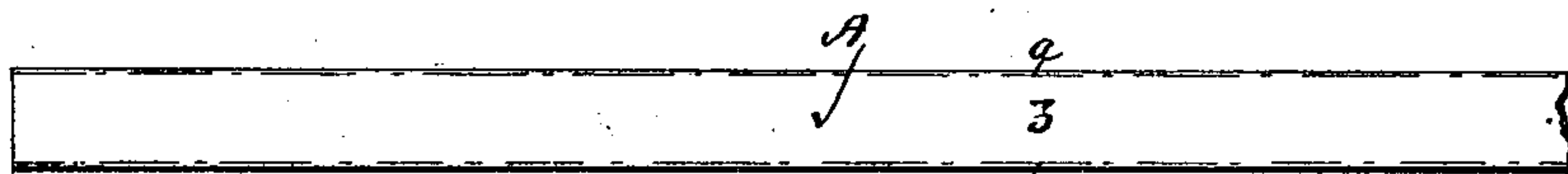


Fig. 1.

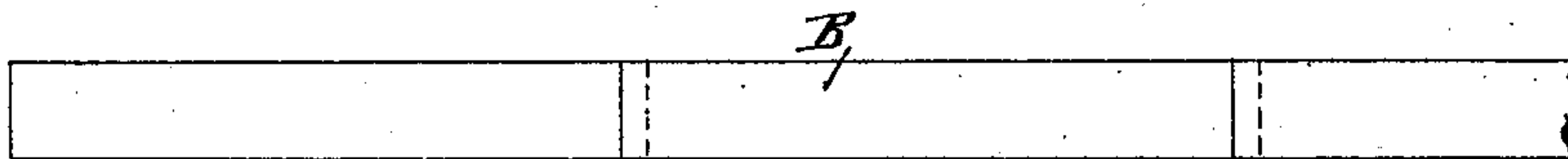


Fig. 2.

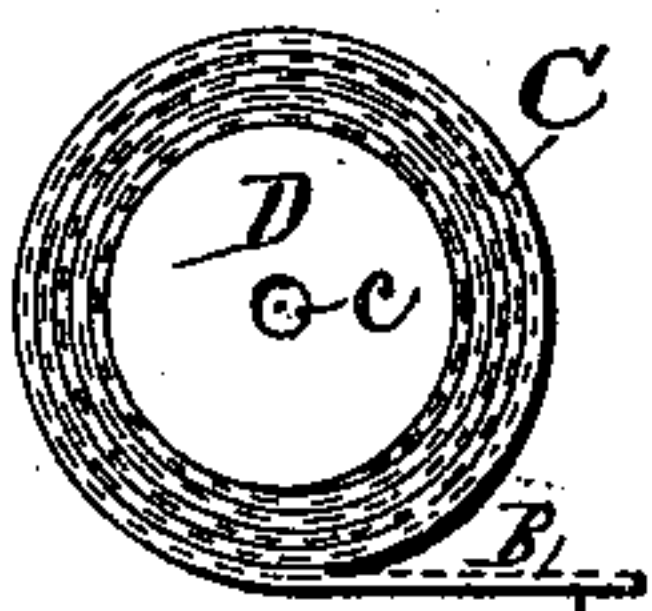


Fig. 3.

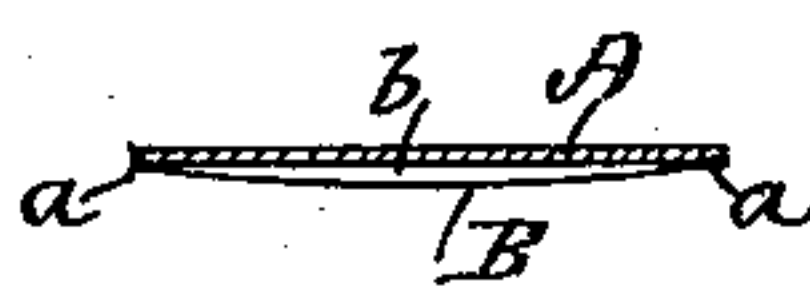


Fig. 4.

Witnesses:
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UNITED STATES PATENT OFFICE.

WALTER H. COE, OF PROVIDENCE, RHODE ISLAND.

ROLL FOR APPLYING DECORATIVE FILMS.

SPECIFICATION forming part of Letters Patent No. 548,113, dated October 15, 1895.

Application filed November 27, 1893. Serial No. 492,183. (No model.)

To all whom it may concern:

Be it known that I, WALTER H. COE, a citizen of the United States, residing at Providence, in the State of Rhode Island, have invented a new and useful Improvement in Rolls for Holding and Applying Decorative Films, of which the following is a specification.

In applying decorative films from a package-roll consisting of a decorative film and a supporting-strip of paper or other suitable material wound in spiral form and having one surface of the strip provided with a coating of adhesive material throughout its whole extent for the purpose of attaching the film thereto, as heretofore, I have found in practice that such a roll is not adapted for use in applying the film to the surface of glass, upon which a comparatively-weak water sizing must be employed, rendering the withdrawal of the film from the strip and its proper adhesion to the glass very uncertain, and also that the said roll is not adapted for applying the film to uneven surfaces, for the reason that the film will only be attached to the higher points of the said surface, the remaining portions of the film continuing to adhere to the strip, and it is the object of my invention to overcome the difficulty and render such rolls applicable to all classes of work; and my invention consists in the combination of a spirally-wound decorative film with an accompanying strip of paper or other suitable material, said strip being made adhesive to the film at its edges and not throughout its middle portion, whereby the film may be practically applied to surfaces which do not admit of such application when the film is made adherent to the surface of the strip throughout its whole extent, as heretofore.

In the accompanying drawings, Figure 1 represents an outspread strip of paper or other suitable material provided with slightly adhesive edges for contact with the edges of the decorative film. Fig. 2 represents a spliced strip of the decorative film to be wound in the roll. Fig. 3 represents a side view of the completed spirally-wound roll, with a portion unwound. Fig. 4 represents

an enlarged transverse section of the strip and film.

In the drawings, A represents a thin paper or other suitable strip of indefinite length, which upon its edges *a a* is provided with a thin coating of wax or other suitable material having a slightly-adhesive quality for the metallic decorative film B, while the middle longitudinal portion *b* of the strip is not provided with the said adhesive substance, so that the film will not stick to the strip at its middle portion and thus prevent the ready removal of the same from the strip. I prefer to form the wound roll C upon a cylindrical spool D, having a central perforation *c*, whereby the roll may be held in a suitable machine for unwinding the strip and depositing the film upon the surface to be decorated, and by my improvement the film will be unwound with the strip and be deposited in position without liability of tearing or displacement, which is a great improvement in such decorative art.

In forming my improved roll for holding and applying the film I prefer to wind the film B at the inner side of the strip A, as shown in Fig. 3; but the said film may be wound exteriorly of the strip, if desired, and in that case the film B may be transferred directly from the roll to the surface to be decorated by moving the roll over the said surface and removing the unwound strip from the deposited film.

When the roll C is being unwound and the film B comes in contact with the sized surface upon which it is to be deposited, the adhesion of the sizing to the film will cause the film to be separated from the strip by loosening or tearing it from its attachment at the edges, the middle portion of the strip offering no resistance to ready removal from the deposited film, and by this means the film may be deposited in proper manner upon uneven surfaces, which touch the prepared film only at the high points, being thereafter readily pressed down into the depressions of the surface by means of a brush or otherwise.

In some cases the loose central portion of the decorative film may be cut from the attached edges with advantage when applying

the film to extremely uneven surfaces, so that the central portion of the film will be deposited from the roll in a loose unattached condition, the undeposited attached edge portion of the film continuing with the strip.

I claim as my invention—

A roll for holding and applying decorative films, consisting of a spirally wound film and strip, the edges of the said film being connected to the strip by means of an adhesive

material, the main portion of the film being left free from such adhesive connection to the strip, whereby the loosely held portion of the film may be readily deposited upon the surface to be ornamented, and separated from the strip.

WALTER H. COE.

Witnesses:

SOCRATES SCHOLFIELD,
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