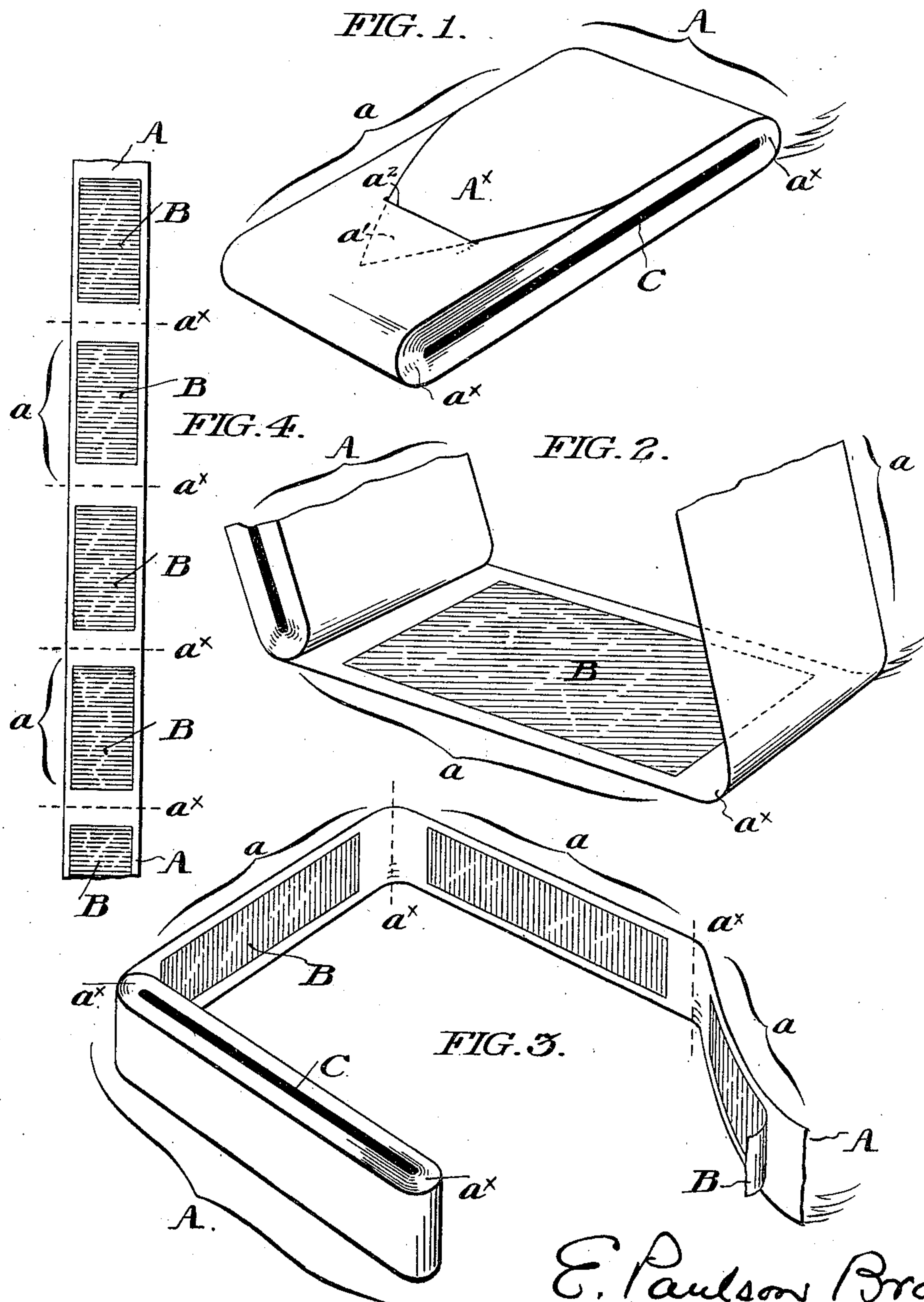


(No Model.)

E. P. BROWNE.  
ROLL FOR HOLDING AND APPLYING GILDING FILMS.  
No. 582,979. Patented May 18, 1897.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

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## ROLL FOR HOLDING AND APPLYING GILDING-FILMS.

SPECIFICATION forming part of Letters Patent No. 582,979, dated May 18, 1897.

Application filed March 11, 1897. Serial No. 626,931. (No model.)

*To all whom it may concern:*

Be it known that I, EDMUND PAULSON BROWNE, a citizen of the United States, residing in the city and county of New York, in the State of New York, have invented certain new and useful Improvements in Rolls for Holding and Applying Metallic Gilding-Leaves, of which the following is a specification.

My invention relates in general to devices employed in the gilders' art both as a receptacle or vehicle for containing and carrying, and as a convenient means for directly applying, metallic leaves of the character known as gilders' films, to surfaces to be gilded.

My invention relates more particularly to that special class of the foregoing devices in which a continuous strip of paper to one surface of which the film or leaf is applied and adheres, is adapted, together with the applied and adhering leaf, to be rolled up to form a roll which serves as a containing receptacle or carrier for the leaf,—and then to be unrolled for the purpose of the application of the leaf to the surface to be gilded through the medium of the paper strip itself from which the leaf in the operation of application is detachable.

In the manufacture of rolls of the foregoing character as heretofore conducted, it has been customary to either wax or otherwise prepare one side of the strip of paper to insure the adherence of the leaf to it; and, also, in addition to treating one side of the strip of paper in the foregoing manner to render its surface adhesive,—to treat the reverse side of the same strip with chalky or kindred powders to render said surface non-adhesive, so that the leaf upon the adhesive side may, in the wound roll, by no possibility adhere to the other side,—a practice, of course, unnecessary with paper of such character that, without special treatment leaf will not naturally adhere to it.

It has also been the invariable custom to apply the metallic leaf in a continuous strip, a result accomplished by overlapping the ends of consecutively disposed short separate sections or leaves to insure literal continuity.

In the practical use of rolls of the forego-

ing character which have invariably been made of a cylindric form, it has been necessary to effect the unwinding for the application of the leaf to the surface to be gilded, by mounting them on special machines in the nature of handle-provided carriers or other manipulating and controlling devices, the employment of which it is one of the objects of my invention to avoid.

It is a further object of my invention to avoid the waste and incidental difficulty of application inseparable from a continuous film of leaf, and to substitute in its stead a carrier device which embodies a series of independent short sections of leaf more nearly in the nature of the leaves employed in "booking" of gold leaf.

To the foregoing ends my invention, generally stated, comprehends a continuous strip of paper, or equivalent material which is upon one of its sides prepared so as to be adhesive to leaf,—which is folded about a central flat winding-core in a series of continuous longitudinally-extending successively overlapping flat folds,—and which is as to the flat portions which intervene between but do not form part of the bent or folded portions, of said folds, provided with a series of sections or lengths of leaf shorter than the folds and so applied as to adhere,—all substantially in the manner represented in the accompanying drawings and hereinafter described.

In the drawings,

Figure 1 represents a folder embodying my improvements and closed or folded up for storage or transportation.

Figures 2 and 3 are perspective views sighted in different directions, of the said folder of Figure 1, representing the leaf-provided strip which composes it as partly unfolded.

Figure 4 is a top plan view upon a reduced scale of the inside or adhesive face of the unfolded strip as an entirety, showing the series of short sections of leaf applied and adhering to it.

Similar letters of reference indicate corresponding parts.

In the drawings,

A represents the strip of paper, rendered adhesive upon one side, which composes the



body proper of the folder and which, as indicated by the brackets to which the letters  $a$  are applied, is formed of a series of successive sections or flat folds which are adapted  
 5 one after another to be successively overlapped upon one another from a central internal flat core of appropriate dimensions, and conveniently, although not necessarily, composed of one or more folds of the paper  
 10 strip itself or of pasteboard or kindred material, to which the inner end of the strip of paper is fixed, or against which it is laid, to a terminal flap or outside fold which I have in the drawings designated as  $A^x$ .

15 Between the sections, folds, or lengths,  $a$ , of the strip  $A$ , intervene the portions which in the ultimate folded product constitute the folds or bends, and which, for convenience of illustration, I have in the drawings designated by the letters  $a^x$ .  
 20

$B$  are the short sections or leaves of the metallic leaf, placed upon the inside, or prepared adhesive surface, of the strip of paper, one leaf upon each fold, and each leaf separated  
 25 from the leaves adjoining it at each of its ends, by the uncovered portion of the strip which in the completed folder forms the fold or bent portion  $a^x$ .

By not making the leaf continuous I not  
 30 only secure the advantage of avoiding waste of leaf, as the entire substance of each leaf or section can be applied to the surface to be gilded, but I also save that waste of leaf which would inevitably ensue upon an attempt to bend gilders' leaf into such a flat  
 35 fold as paper is and can be readily bent into;—

for it is a fact that, while leaf can without damage be bent in a circle of large radius, it cannot be abruptly bent,—as, for instance, in making the folds of my device,—without being broken or so injured as to cause it to scale. 40

The free end of the strip may be secured in any preferred manner, conveniently by pointing it to form a tongue  $a'$  and entering said tongue into a transverse slit  $a^2$  in the fold 45 which in the finished product it overlaps, as indicated in Figure 1.

My device possesses the advantages of being compact and inexpensive, and also being easily handled for the application of the separate sections of the leaf without the necessity 50 of the employment of any handle, carrier, or other device.

Having thus described my invention, I claim— 55

A folder for holding and applying metallic gilding leaves, which consists of a continuous strip of paper prepared upon one of its sides so as to be adhesive, and which is folded about a center into a series of continuous success- 60 sively - overlapping flat folds the adhesive faces of the flat portions of which are provided with sections or lengths of leaves,—substantially as set forth.

In testimony that I claim the foregoing as 65 my invention I have hereunto signed my name this 9th day of March, 1897.

EDMUND PAULSON BROWNE.

In presence of—

SAMUEL J. EVERITT,

WILLIAM R. HANNA.