

No. 643,772.

Patented Feb. 20, 1900.

W. E. MAYO.
CARTON.

(Application filed Apr. 1, 1899.)

(No Model.)

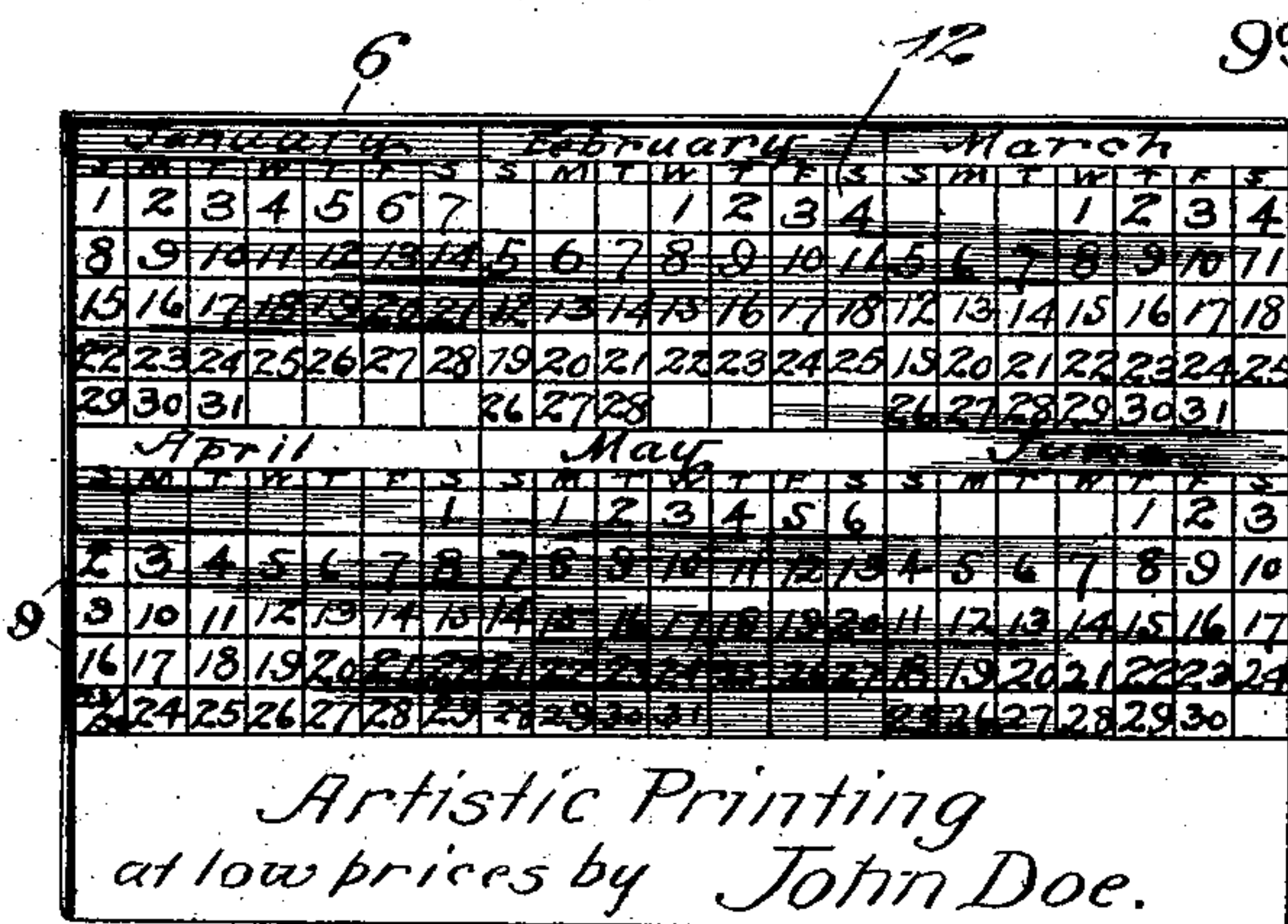
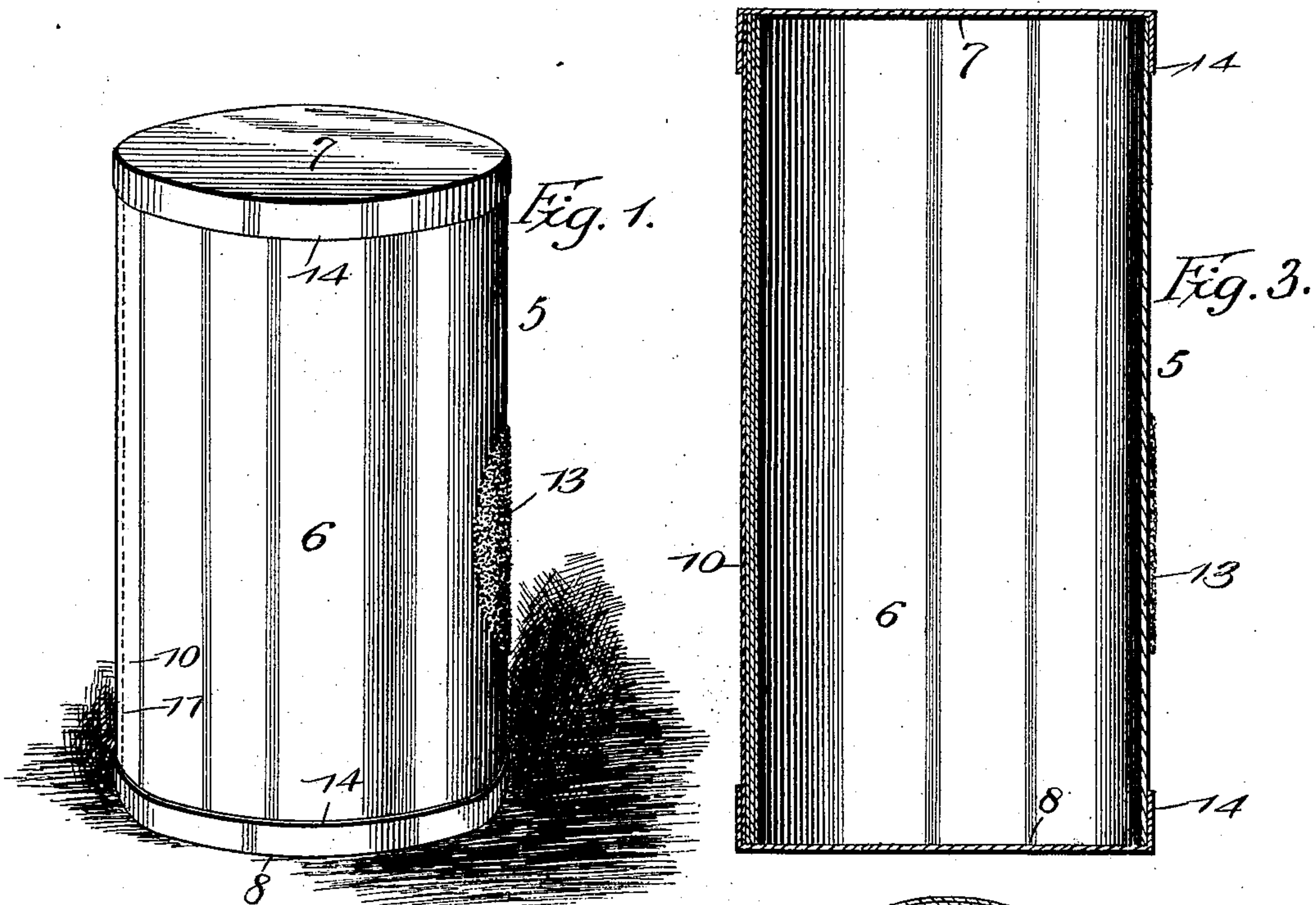
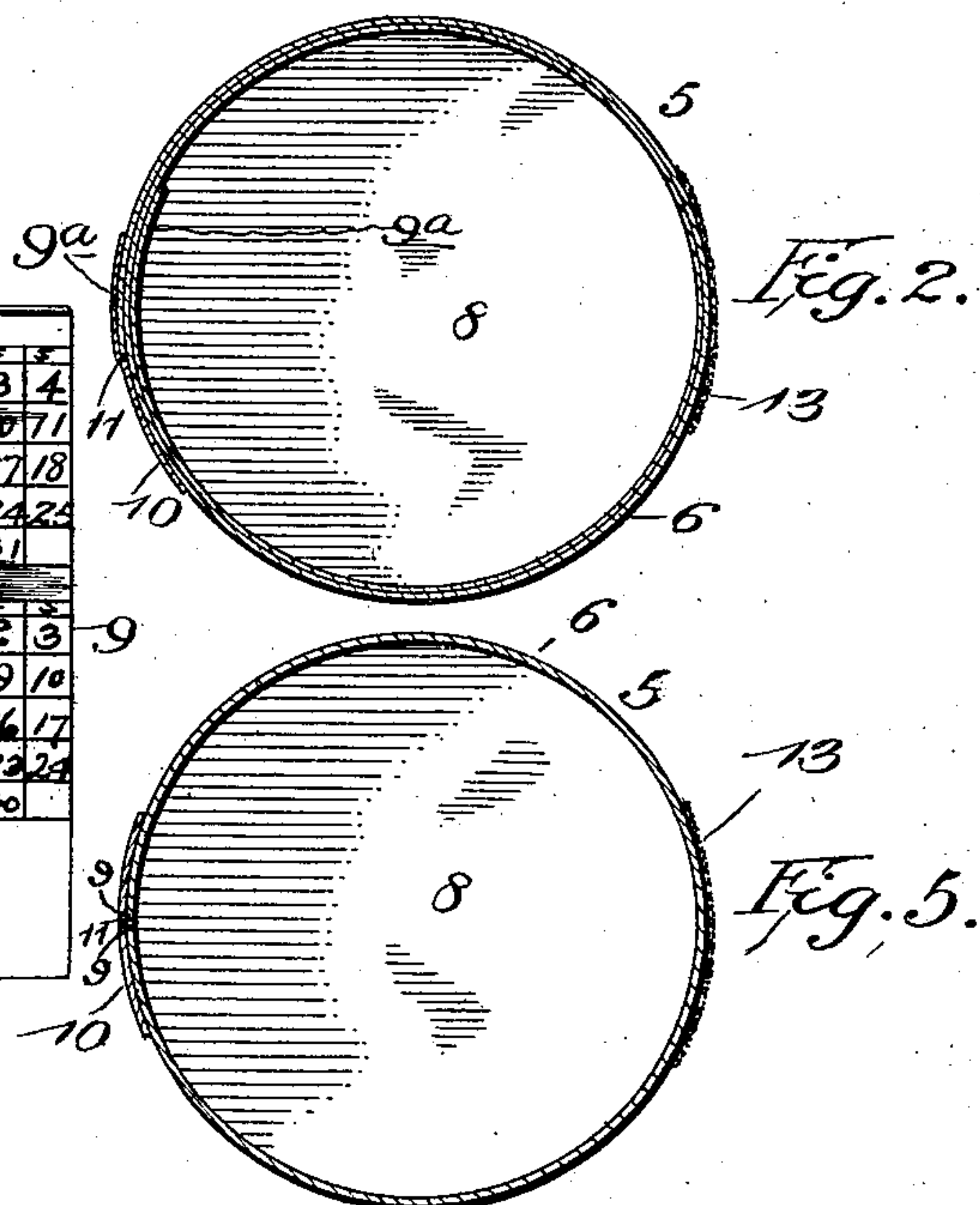


Fig. 4.



Witnesses
A. Roy Appleman
H. J. Bernhardt

Walter E. Mayo, Inventor.
By his Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

WALTER E. MAYO, OF CHICAGO, ILLINOIS.

CARTON.

SPECIFICATION forming part of Letters Patent No. 643,772, dated February 20, 1900.

Application filed April 1, 1899. Serial No. 711,440. (No model.)

To all whom it may concern:

Be it known that I, WALTER E. MAYO, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Carton, of which the following is a specification.

My invention relates to improvements in cartons or packages for the safe transportation and handling of merchandise in general; and it is more particularly designed as a receptacle for glass articles, such as globes or chimneys for lanterns of the character disclosed in another application for patent filed by me of even date herewith.

The primary object of the present invention is to provide an improved package of the character described which is constructed in the manner to insure its ready opening and flattening out to make the package serve as a means for displaying advertisements or for other useful purposes either to the merchant who handles the articles or to the purchasers thereof.

My invention comprises a carton or package for transportation purposes consisting of a tubular body made from a piece of cardboard or other appropriate flexible material bent to cylindrical form to bring the edges thereof into proximity and having its proximate edges united by a separable strip which is adapted to be easily and quickly severed to facilitate opening the body to its flattened condition, together with removable closures fitted to the open ends of the tubular body.

To enable others to understand the invention, I have illustrated the same in the accompanying drawings, forming a part of this specification, and in which—

Figure 1 is a perspective view of a carton embodying my invention. Fig. 2 is a transverse sectional view. Fig. 3 is a longitudinal sectional view with the closures or caps fitted to the open ends of the tubular body. Fig. 4 is a perspective view of the body after its separable strip shall have been severed and the body flattened out to a sheet-like condition. Fig. 5 is a cross-section of another embodiment of the invention.

The same numerals of reference are used to indicate like parts in each of the several figures of the drawings.

The carton or package is indicated in its en-

tirety by the numeral 5; and it consists of the tubular body 6 and the closures 7 8, which are fitted removably to opposite ends of said body. The body is made of a single piece of flexible material, such as pasteboard or cardboard, or it may be made of light sheet metal. In making the tubular body a piece of material of the proper character and of suitable size is selected, and this material is bent or rolled into cylindrical form to bring the side edges 9 of said material into abutting relation, as clearly shown by Fig. 5. The proximate edges of the tubular body are united securely together by a separable strip of an easily-breakable nature—as, for instance, a strip of paper—and this separable strip is cemented or otherwise united to the body near its abutting edges. The separable strip is provided with a longitudinal score or crease line 11, along which a sharp instrument, such as a knife, may be drawn for the purpose of dividing the strip adjacent to the abutting edges 9 of the tubular body.

Before the body 6 is produced by rolling it into the tubular form and attaching the separable strip thereto the material of the body is prepared to adapt it for service by the merchant as an advertising medium, or it may be equipped with a friction-surface to be used by the purchaser of the article as a medium for igniting matches. As shown by Fig. 4, the body is inscribed or printed upon one side with advertising matter or with a calendar-chart, as at 12, and the body is furthermore provided upon the opposite side with the friction-surface 13, of sandpaper or analogous material, adapted to serve as the match-igniter.

The closures 7 and 8 are provided with rims or flanges 14, and said closures are fitted to opposite ends of the tubular body for the flanges thereof to take over and protect the ends of the fastening-strip 10 and to have tight frictional engagement with said body in order to hold the closures connected firmly thereto. Each closure may be constructed of paper, cardboard, or other analogous material; but when the carton is to be used in connection with a lantern of the character disclosed in my other application the closures 7 and 8 are made of sheet metal, each struck up in a single piece, whereby the closures are

adapted to be used to form parts of the lantern structure. In the general service of the carton the closures 7 and 8 may be made of different sizes for the rim of one closure to fit into the rim of the other closure to make a metallic box adapted to a variety of useful purposes.

The carton of my invention is especially serviceable as a means for protecting articles of glassware, such as the globes or chimneys of lanterns; but I would have it understood that the carton may be used for transportation or storage purposes of merchandise in general. The carton affords protection to the articles stored or packed therein, and after the articles shall have been removed the tubular body 6 may be cut open to enable the body to be flattened out and employed as an advertising medium, or the purchaser may suspend the body in a position where the friction-surface 13 may be availed of for striking matches. The carton thus serves a twofold purpose, in that it protects the article packed therein, and after such article shall have been removed the merchant may utilize the tubular body as an advertising medium or as a calendar, or the purchaser of the article may carry away the carton and utilize the same in the manner heretofore described.

In Figs. 2 and 3 of the drawings I have shown the tubular body as made from a single piece rolled upon itself to have its edges ^a overlap an intermediate layer of the body, and over the outside lapping edge of said body is applied the separable strip 10, the score or crease line of which is adjacent to the edge ^a.

It will be understood that I do not confine myself to the use of the calendar and advertising matter as shown by Fig. 4; but in lieu of the calendar I may use an advertisement of any character whatever.

One of the advantageous features of my device is that after the carton shall have served its purposes as such a structure by protecting the article packed therein all the parts of the device may be utilized for useful purposes instead of throwing away the package. The end closures are slightly different in size, so that one closure may be fitted into the other in order to form a small box adapted to hold various small articles, while the body 6 may be ripped open and flattened out to serve as an advertising medium or as a match-igniter.

From the foregoing it will be noted that the blank or card from which the body 5 is formed

is sprung into a cylindrical shape and held strained in such a position by the separable connection or strip, so that when such connection or strip is broken the card or blank almost completely resumes its original flat condition, whereby the same may be used at once for its advertising purpose. This is true whether the body is sprung from a blank of cardboard or sheet metal, as either of these materials possesses sufficient resiliency to permit the body to spring open when the separable connection or seam is broken.

Changes in the form, proportion, size, and the minor details of construction within the scope of the appended claims may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed is—

1. A carton or shipping-package comprising a flexible advertising card or sheet sprung into a cylindrical body having a longitudinal side seam extending from end to end, a temporary readily-breakable fastening-strip covering the side seam and holding the sheet strained in its cylindrical shape, and temporary closures removably fitting the open ends of the cylindrical body, substantially as set forth.

2. A carton or shipping-package comprising a flexible advertising card or sheet sprung into a cylindrical body having a longitudinal side seam extending from end to end, a temporary readily-breakable fastening-strip covering the side seam and holding the sheet strained in its cylindrical shape, and flanged closures removably fitting the open ends of the cylindrical body and taking over and protecting the ends of said fastening-strip, substantially as set forth.

3. A carton or shipping-package comprising a flexible advertising card or sheet sprung into a cylindrical body, a readily-breakable fastening-strip for temporarily holding the card or sheet sprung in the cylindrical shape, and flanged closures frictionally held upon the opposite ends of the body and respectively of different sizes, substantially as set forth.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

WALTER E. MAYO.

Witnesses:

J. S. CLINE,

R. C. CANTERBURY.