

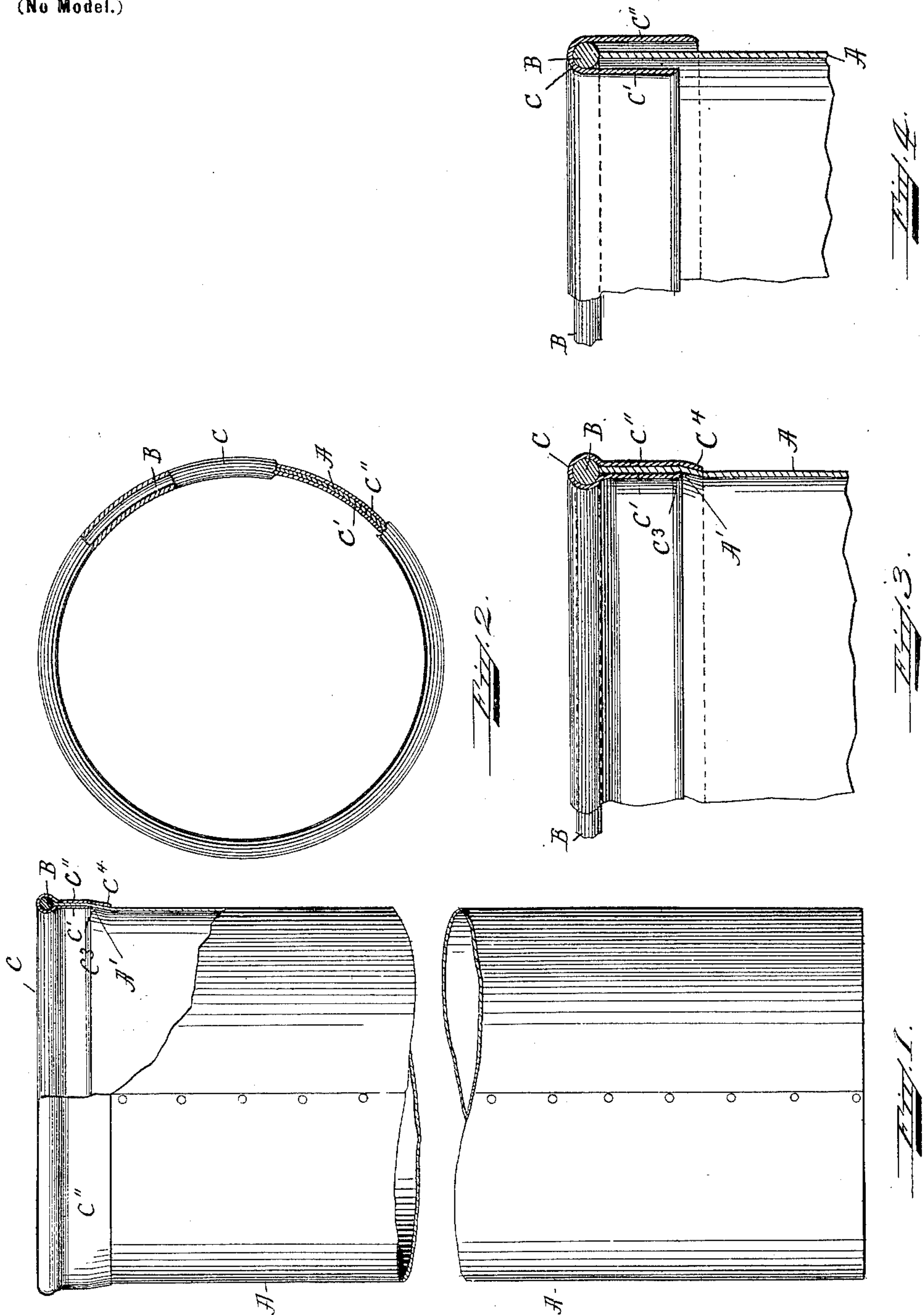
No. 659,825.

Patented Oct. 16, 1900.

G. S. PERKINS.  
ROVING CAN, BASKET, OR BOX.

(Application filed Aug. 25, 1900.)

(No Model.)



Witnesses:  
Francis A. Perry  
Joseph F. Hankin.

Inventor:  
Guy S. Perkins  
by *Wm. Andrew*  
his atty.



# UNITED STATES PATENT OFFICE.

GUY S. PERKINS, OF MEDFORD, MASSACHUSETTS.

## ROVING CAN, BASKET, OR BOX.

SPECIFICATION forming part of Letters Patent No. 659,825, dated October 16, 1900.

Application filed August 25, 1900. Serial No. 28,039. (No model.)

*To all whom it may concern:*

Be it known that I, GUY S. PERKINS, a citizen of the United States, residing at Medford, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Roving Cans, Baskets, or Boxes, of which the following is a specification.

This invention relates to improvements in roving cans, baskets, or boxes; and it consists of an improved metal reinforcing-band secured to the upper or open end of such roving can, basket, or box, as will hereinafter be more fully shown and described, reference being had to the accompanying drawings.

Figure 1 represents a side elevation of the invention, partly shown in section. Fig. 2 represents a top plan view, partly shown in section. Fig. 3 represents an enlarged vertical section of the upper portion of the roving can, basket, or box; and Fig. 4 represents a similar section showing the metal reinforcer before being closed onto the inner and outer portion of the roving-can, &c.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

In the drawings, A represents the body of a roving can, basket, or box, preferably made of fiber and of cylindrical form; but this is not essential, as the articles may be made of any other or well-known material and of any other suitable shape, size, or form without departing from the essence of my invention.

The improved reinforcer consists of a metal rod or wire B, supported on the upper edge of the can-body A. In connection with such metal rod or wire I make use of an inverted-U-shaped sheet-metal plate C, adapted to fit over and inclose the rod or wire B as well as the inner and outer portions of the upper end of the can-body, as shown in Fig. 4. The downwardly-projecting inner end C' of said metal plate C is made somewhat shorter than the corresponding outer end C'', as shown in Figs. 1, 3, and 4. After said U-shaped metal plate C has been placed in position on the upper edge of the can-body I compress the legs or downwardly-projecting portions C' C'' around the rod or wire B and against the interior and exterior portions of the upper end of the can-body, as shown in Figs. 1 and 3. This may be done by means of a pair or series of shaping-rollers or other suitable forming-tool, which causes the legs C' C'' to be

compressed against the respective inner and outer portions of the can-body, and in so doing I cause an outwardly-projecting annular lip C<sup>3</sup> to be formed on the lower portion of the inner leg C', and directly below such lip I form on the can-body an outwardly-projecting bead or recess A', into which the annular lip C<sup>3</sup> is received, thus preventing the contents of the roving-can, &c., from catching against the lower edge of the part C' when such contents are being discharged from the can.

The lower edge C<sup>4</sup> of the outer reinforcer C'' is bent inward against the exterior of the can-body, as shown in Figs. 1 and 3, so as to fit against the outside of the bead or recessed portion A' below the lower edge of the inner sheet-metal portion C', and thus serves to hold such beaded or recessed part of the can-body permanently in the position shown in Figs. 1 and 3. Such inwardly-bent portion C<sup>4</sup> prevents injury to the hands of the operator in handling the cans, particularly so as its lower edge is rounded off and bent inwardly below the beaded or recessed portion A', as shown in Fig. 3. By this arrangement I provide the upper end of the can, &c., with a very light, strong, and durable reinforcer which is not liable to catch into or adhere to the contents of the can—such as, for instance, cotton or wool slivers or other fibrous or textile materials—and constructed on its exterior portion in such a manner as to offer no obstruction in handling or manipulating the can, &c.

What I wish to secure by Letters Patent and claim is—

In combination with a roving can, basket or box, a metal reinforcer as hereinabove described, the same consisting of a metal ring B, supported on the upper edge of the can-body and a U-shaped metal plate C, having downwardly-projecting portions C', C'', the inner one being made somewhat shorter than the outer one, said parts C', C'', having lower rounded edges C<sup>3</sup>, C<sup>4</sup>, adapted to be compressed and closed against the interior and exterior portions of the beaded or recessed portion A', of the can-body substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GUY S. PERKINS.

Witnesses:

ALBAN ANDRÉN,  
HENRY R. PAGE.