

No. 836,200.

PATENTED NOV. 20, 1906.

C. R. McCABE.
MAILING TUBE.

APPLICATION FILED DEC. 30, 1905.

Fig. 1.

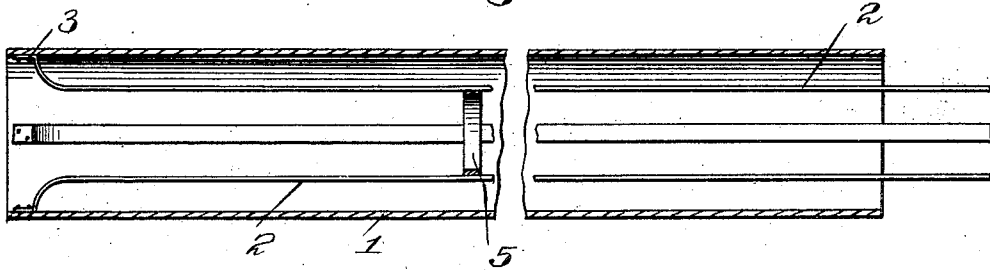


Fig. 2.

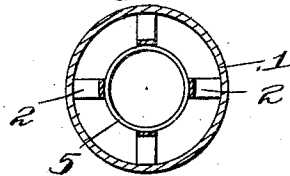


Fig. 3.

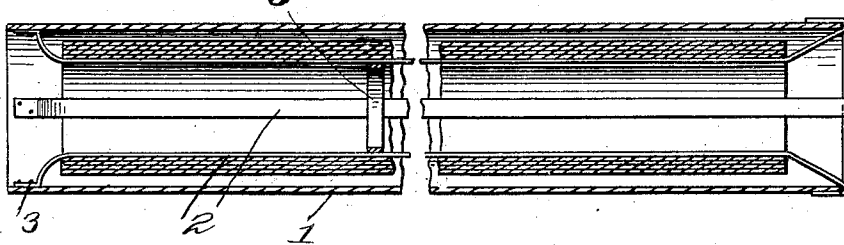
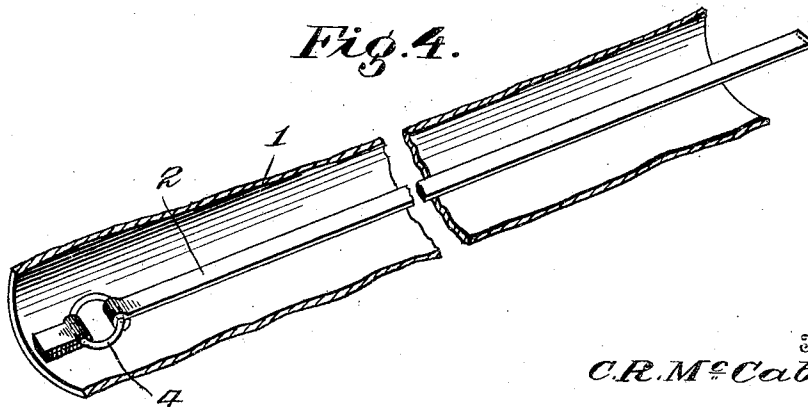


Fig. 4.



Witnesses

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MAILING-TUBE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, CHARLES R. McCABE, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Mailing-Tubes, of which the following is a specification.

The object of my invention is to provide an improved mailing-tube or similar receptacle to be used in mailing scrolls or rolls of drawings or the like and also for use in shipping generally articles of a tubular nature from one place to another.

With this object in view the invention consists of certain combinations, arrangements, and constructions of parts hereinafter fully described, and specifically pointed out in the appended claims.

For a full description of the invention and the merits thereof and also to acquire a knowledge of the details of construction of the means for effecting the result reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a longitudinal sectional view illustrating my improved mailing or shipping tube in its initial condition preparatory to receiving its contents. Fig. 2 is a transverse section thereof. Fig. 3 is a view similar to Fig. 1, but showing the tube subsequent to the reception of its contents. Fig. 4 is a detail perspective view of a portion only of the tube, illustrating a modification.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

Referring to the drawings, the numeral 1 designates my improved mailing or shipping tube, which is preferably formed of cardboard or the like and is of cylindrical shape, as shown. The tube 1 is provided on its interior with one or more strips 2. The strips 2 have one end secured to the interior of the tube, preferably at or near one end of the latter, and their other ends are initially free and project out of or through the other end of the tube, as shown in Fig. 1. The strips 2 are designed to be of any material that is sufficiently pliable to be easily bent and yet stiff enough to sustain the shape to which it is flexed. Preferably they are flat, as shown, although they may be round or any other shape. The strips 2 may be secured at one of their ends to the tube by means of brads or

rivets 3, or they may be, as shown in Fig. 4, welded or otherwise attached to small rings 4, and thus secured to the inner side of the tube. They may be formed in one piece with the rivets or rings by which they are fastened, and it is within the purview of my invention to attach them at one end of the tube in any desired manner.

As before stated, the strips 2 are initially free from the tube at one end, and in the particular application of the device for use a scroll or the like tubular article is inserted over the strips and into the tube 1, as shown in the drawings, and then the free ends of the strips are bent outwardly over the adjacent edge of the tube 1 and are, as before intimated, sufficiently stiff to sustain themselves in place independent of other fastening means. At the same time it is obvious that the said free ends after having been bent around the edge of the tube and returned along the outer wall of the latter for a short distance only may be secured to the tube by a cord or any desired fastening means wrapped transversely around such ends and the tube. Preferably, for the purpose of imparting rigidity to the strips 2 I employ a band 5, which may be placed at any point along their length. In the present instance the said band is shown at about the center of the tube or about midway of the length of the strips. This arrangement of the said band permits of a maximum of flexibility or pliancy with respect to the strips, while at the same time imparts sufficient rigidity to the structure. It is to be understood that the band 5 may be adjusted lengthwise upon the strips, so as to assume any desired position along the same.

From the foregoing description, in connection with the accompanying drawings, it will be seen that I have provided an improved construction of mailing or shipping tube particularly designed for tubular articles, in which there is embodied one or more binding-strips on the interior of the tube, the said strips being initially free from the tube at one end, so that the tubular article may be inserted over the strip or strips and between the same and the inner wall of the tube and then be secured in place against longitudinal displacement within the tube by fastening the initially-free end of the strip or strips to the adjacent end of the tube, preferably by merely bending the said end around the edge of the tube, as shown in the drawings.

It is to be understood that any desired number of these strips may be employed and that one is sufficient to secure the advantageous results of my invention, although I
5 prefer to use two or a greater number spaced at equal distances around the inner wall of the tube 1.

It is also to be understood that while I have described the strips as being "pliable"
10 this word is used primarily in the sense that the strips may be readily bent and yet are sufficiently stiff to be self-sustaining and remain in the positions or shapes to which they are bent independent of other fastening
15 means.

Having thus described the invention, what is claimed as new is—

1. As an improved article of manufacture, the herein-described mailing-tube, provided
20 with a pliable binding-strip which has one end secured to the interior of the tube at one end of the latter and which extends throughout the length of the tube, interiorly of the same, and of such a length that the opposite
25 end projects out the other end of the tube, said end being initially free therefrom and designed to receive the roll of material between it and the tube, the binding-strip be-

ing of a material that is susceptible of bending and that will remain in the position to
30 which it is bent, and the initially-free end of the strip being adapted to be turned outwardly and clenched around the adjacent edge of the tube, substantially as described.

2. A tube of the character described, provided on its interior with a plurality of spacing-strips secured thereto at one end only and designed to receive thereon, and in the tube, a tubular article, means for fastening the free ends of said strips to the tube, and a
40 band held in engagement with said strips.

3. A tube of the character described, provided on its interior with a plurality of spacing-strips secured thereto at one end only and designed to receive thereon and in the
45 tube, a tubular article, means for fastening the free ends of said strips to the tube, and a band held in frictional engagement with said strips and adjustable lengthwise of the same.

In testimony whereof I affix my signature
50 in presence of two witnesses.

CHARLES R. McCABE. [L. s.]

Witnesses:

JOHN M. WELLER,
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