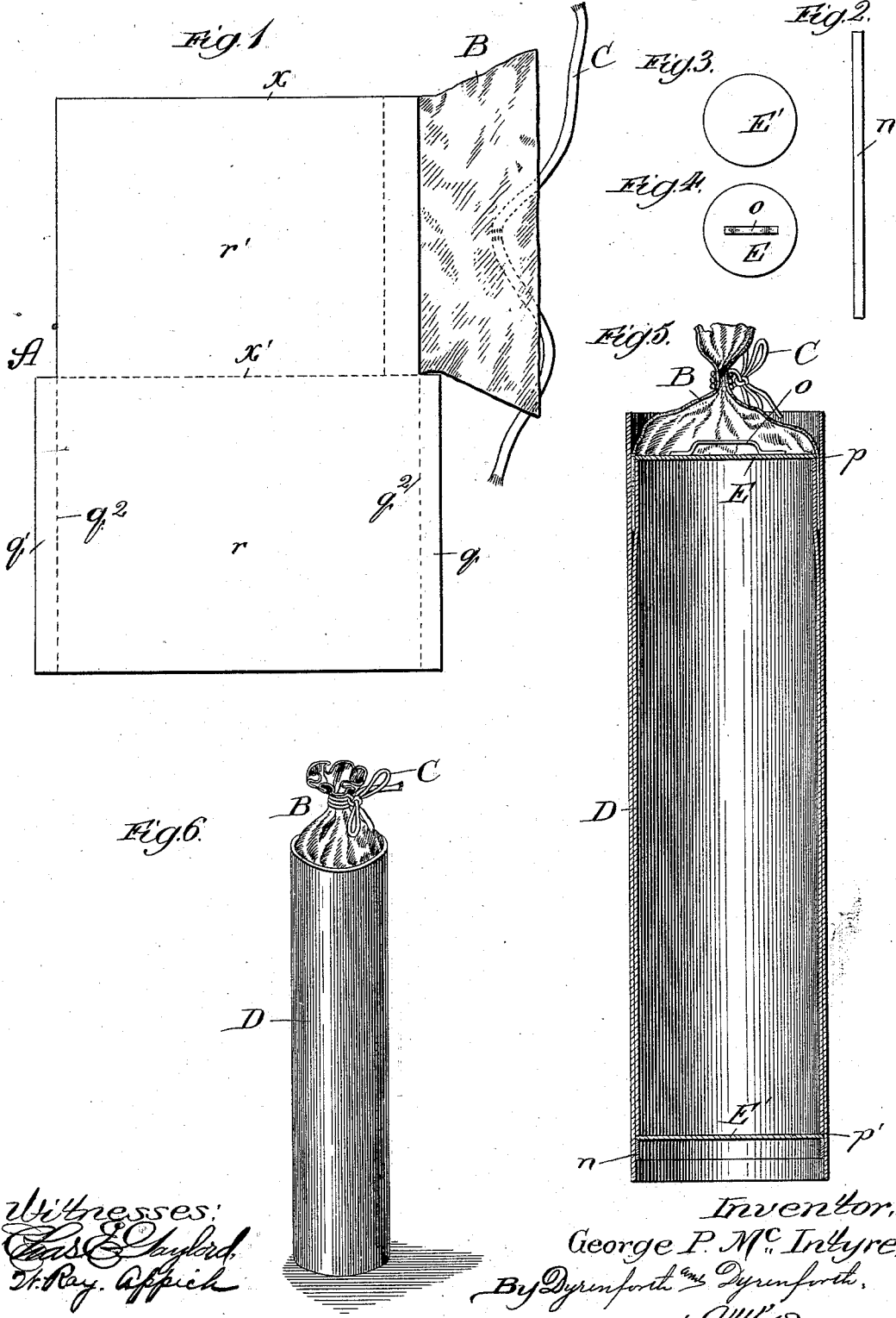


(No Model.)

# G. P. McINTYRE. MAILING TUBE.

No. 524,860.

Patented Aug. 21, 1894.



Witnesses:  
*Chas. E. hybrid.*  
*St. Ray. Affick*

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# UNITED STATES PATENT OFFICE.

GEORGE P. MCINTYRE, OF CHICAGO, ILLINOIS.

## MAILING-TUBE.

SPECIFICATION forming part of Letters Patent No. 524,860, dated August 21, 1894.

Application filed October 27, 1893. Serial No. 489,308. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. MCINTYRE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Mailing-Tubes, of which the following is a specification.

My invention relates to an improvement in the class of receptacles, more commonly provided in tube form, and known as "mailing-tubes," used for holding such articles to be transmitted through the mail as are subject to inspection; and which tubes, therefore, are required to permit ready access to their contents and thus may not be sealed against it.

The objects of my invention are to provide simple and inexpensive, but effective, means for closing the receptacle to retain its contents and which shall be readily unfastened, to permit the desired inspection, and again fastened; and to afford, for the tubular receptacle, a peculiarly desirable construction.

Referring to the accompanying drawings—Figure 1 is a plan view of the blank from which my improved mailing-tube is formed in accordance with my preferred construction. Figs. 2, 3 and 4 are views of details. Fig. 5 is a view in vertical sectional elevation of the tube formed from the blank. Fig. 6 is a perspective view of the finished tube in its closed condition.

A is the blank, the body of which may be formed of any suitably pliable material or materials, though so far as I am at present aware, adequately stiff paper or pasteboard is best for the purpose by reason of its cheapness and lightness and the facility it affords of manipulation to form the tube with it. Moreover the water proof variety of paper may be used for my purpose, when desired, or the interior surface of the tube may have a coating of waterproofing material, such as paraffine; and it may also be corrugated to produce a cushion-like interior, as it is common to provide in wrappers for bottles. One half or section  $r$  of the blank is somewhat wider than the other half or section  $r'$ , to produce the lateral extensions  $q, q'$ ; and to one side near an edge of the part  $r$  is cemented or fastened the edge-portion of a piece of cloth B, cut, preferably, to flare in the direction of

its extension, as shown, and having secured to it a fastener C, the form shown of which is preferred, the same being a cord or section of tape secured at its center to the cloth to adapt the ends to be wound and tied about the throat of the cloth-extension when the latter is gathered together as shown in Figs. 5 and 6.

To form the tube D from the blank A, I first coat one surface of the section  $r$ , between the dotted lines  $q^2$ , with a suitable cement. Then the section  $r'$  is bent into tubular form to cause its outer edge  $x$  to meet the dotted line  $x'$  indicating the line of junction between the two sections of the blank, and the section  $r$  is folded or wrapped with its cement-covered surface about the outer circumference of the section  $r'$ , to which it is caused to adhere and form the permanent tube D. Inasmuch as the lateral edges of the section  $r'$  then coincide with the lines  $q^2$  on the section  $r$ , annular shoulders  $p$  and  $p'$  are formed inside the tube near its opposite ends by the extensions  $q$  and  $q'$ ; and as the edge-portion of the cloth B, where it is cemented to the section  $r'$ , is contiguous, at its outer surface, to a portion of the cement-covered surface of the section  $r$ , it becomes cemented also to the latter, and thus to the surfaces of both sections of the blank, between which it is, therefore, the more securely held.

The shoulders  $p$  and  $p'$  afford seats for disk-shaped covers E and E' at the upper and lower ends of the tube. The cover E' is permanently fastened in place, the means I employ for so fastening it being a paper or analogous band  $n$  inserted against the cover and cemented to the inner wall of the tube, whereby the cover is held between the annular band and the shoulder  $p'$ . The cover E is removable, being provided with a handle  $o$  by which to manipulate it, and seats against the shoulder  $p$  inside the hood formed by the cloth extension B.

The article to be mailed may be readily introduced into the tube when the cover E is removed and the hood B is untied; whereupon, to secure the contents, the cover is adjusted, and the hood gathered together and tied with the cord C, to prepare the tube for mailing.

What I claim as new, and desire to secure by Letters Patent, is—

1. A mailing tube comprising a tubular body

having internal shoulders near its opposite  
ends, a cover seated against one of said shoul-  
ders and permanently fastened in place, a  
cover removably seated against the opposite  
5 shoulder, a hood of cloth fastened between  
the folds of the tube to extend at the end pro-  
vided with the removable cover and adapted  
to be gathered and tied, and a tying medium  
of flexible material on the hood, substantially  
10 as described.

2. A blank A for a mailing tube D, said  
blank comprising the differential sections  $r$   
and  $r'$ , and a hood-extension B of cloth, or the  
like, on the section  $r'$ , and provided with a  
fastener C, substantially as and for the pur- 15  
pose set forth.

GEORGE P. MCINTYRE.

In presence of—

M. J. FROST,

W. U. WILLIAMS.