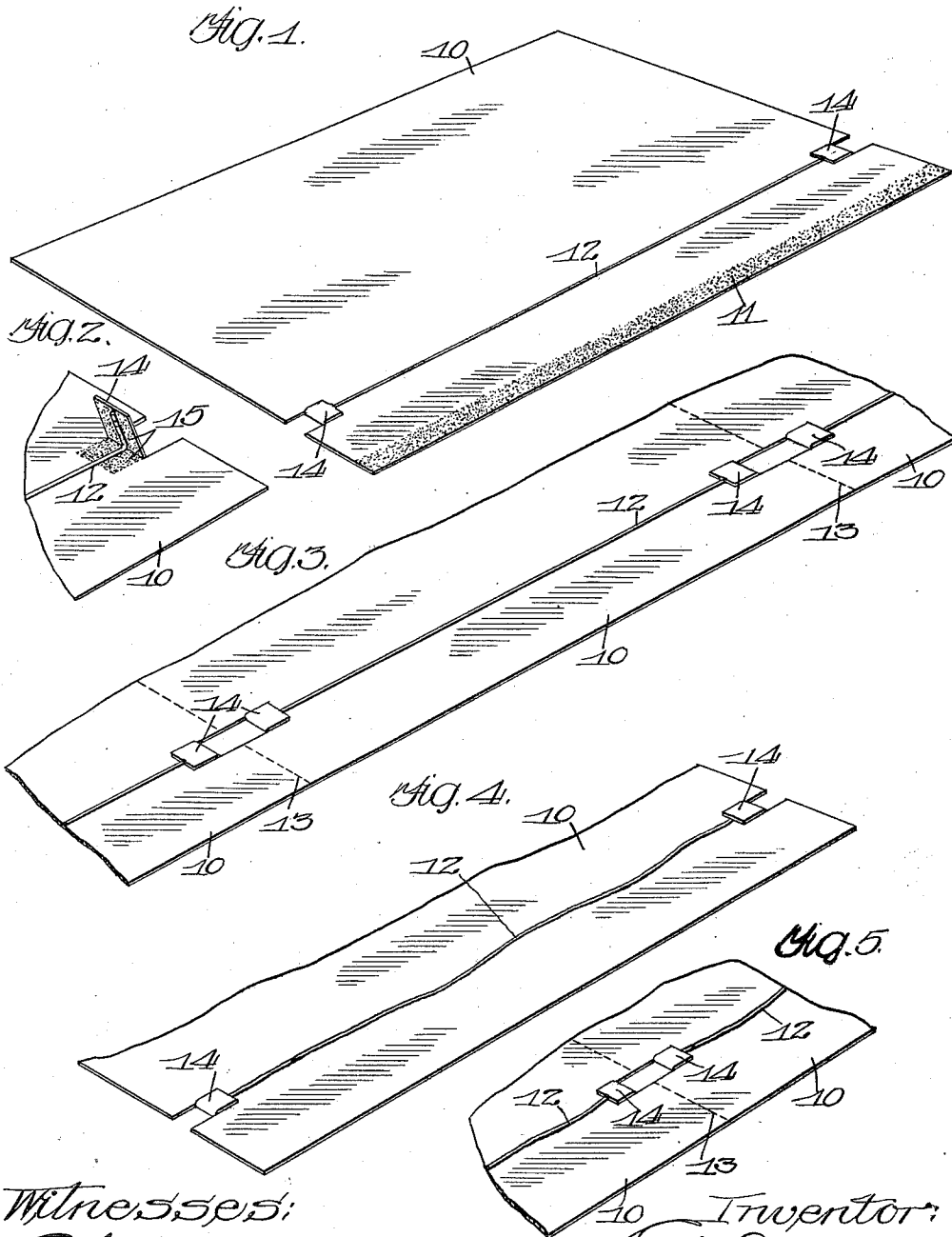


E. H. RODEN.
WRAPPER FOR NEWSPAPERS, PERIODICALS, AND THE LIKE.
APPLICATION FILED JUNE 4, 1908.

1,019,525.

Patented Mar. 5, 1912.

2 SHEETS—SHEET 1.



Witnesses:
Robert H. Mei
J. Sprinkle.

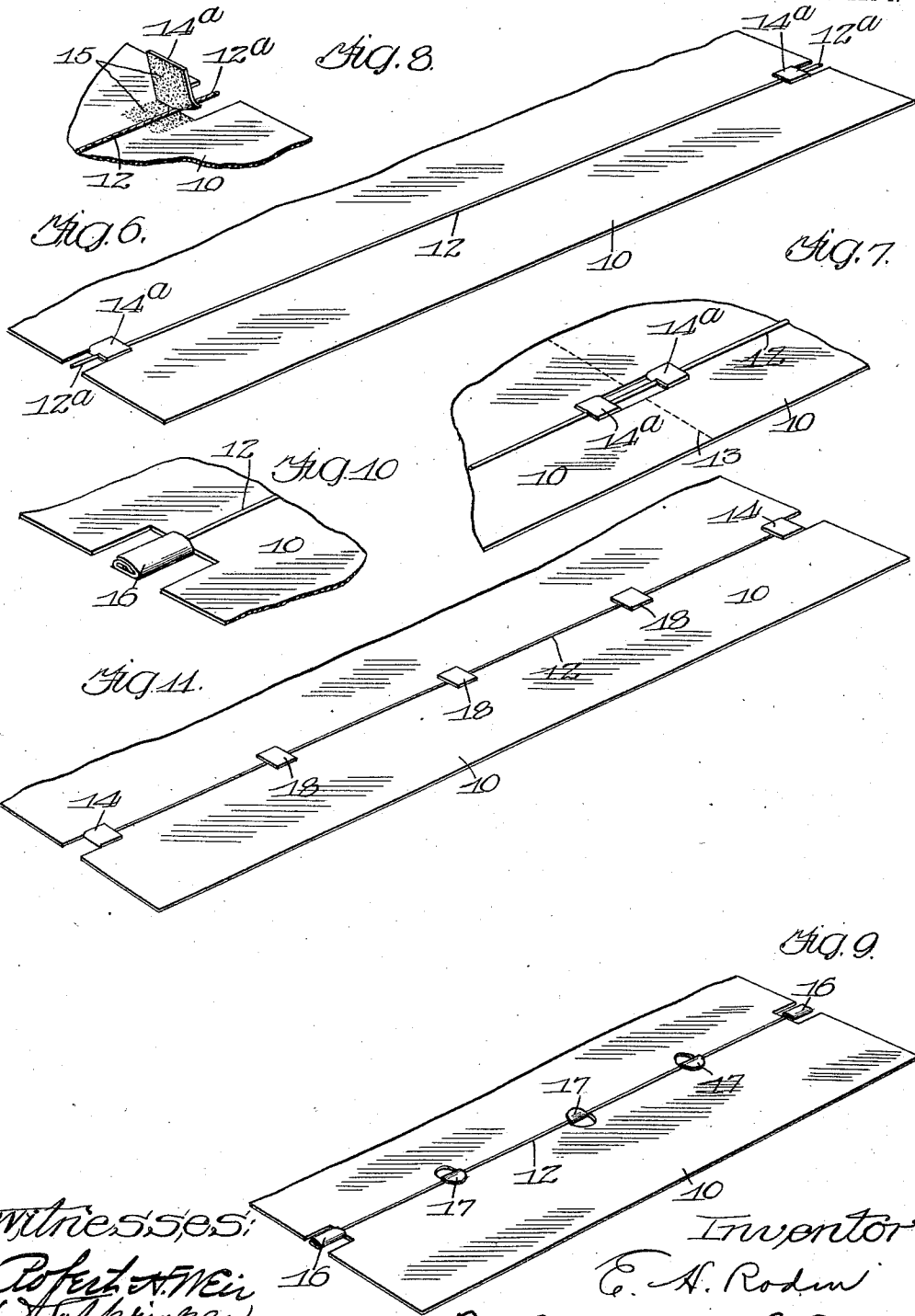
Inventor:
E. H. Roden
By Brown & Hoffmann
Attys

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Witnesses:
Robert A. Weir
Chas. Sprinkle.

Inventor
E. H. Roden
By *Brewster & Hoffmann*
attys

UNITED STATES PATENT OFFICE.

EPHRAIM H. RODEN, OF CHICAGO, ILLINOIS.

WRAPPER FOR NEWSPAPERS, PERIODICALS, AND THE LIKE.

1,019,525.

Specification of Letters Patent.

Patented Mar. 5, 1912.

Application filed June 4, 1908. Serial No. 436,568.

To all whom it may concern:

Be it known that I, EPHRAIM H. RODEN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Wrappers for Newspapers, Periodicals, and the Like, of which the following is a specification.

This invention relates to wrappers for newspapers, periodicals and the like, and particularly to that class of wrappers known as string wrappers, a form of which is shown and described in Patent No. 558,244, granted April 14, 1896, to B. Williams. Heretofore in the construction of string wrappers of the form shown in said patent, it has been customary to secure the string or thread to one of the flat surfaces of the wrapper, usually the surface provided with the gummed edge, by saturating the string or thread with adhesive material and before the same is dry applying it to the wrapper, thus causing the string to adhere when the adhesive substance becomes dry. When a wrapper of this character is applied to a newspaper or package, as is well understood, the string is on the inside of the wrapper and the package is readily and easily opened by grasping one end of the string and pulling it toward the opposite end of the package, which produces a fracture in the wrapper the entire length of the string.

In handling string wrappers in bulk when constructed as described by securing the string to the surface of the wrapper by adhesive material, it is found that the strings will frequently become detached from the wrappers. The ends of the string which are adjacent the side edges of the wrapper are most likely to become first detached and in opening a package inclosed by a string wrapper, it is necessary for the operator to grasp one end of the string. On account of the tendency of the ends of the strings to become detached it frequently happens that when the wrappers are applied to packages the ends of the string are so deflected that it is difficult or almost impossible to get hold of the string. The process of the manufacture of string wrappers or envelopes is also rendered more complicated and expensive by reason of the fact that the adhesive material on the string must be thoroughly dried before the wrappers may

be piled, thus necessitating the use of a rapid drying process.

The primary object of the invention is to provide an improved construction in a wrapper of the class described for securing an opening string or thread to the wrapper.

A further object of the invention is to provide in a wrapper of the class described improved means for securing the string or thread to the wrapper which will permit the piling of the wrappers during the process of manufacture without submitting the same to a rapid drying process.

To the attainment of these ends and the accomplishment of certain other new and useful objects, which will appear, the invention consists in the construction, combination and arrangement of the parts hereinafter described, shown in the accompanying drawings and more particularly pointed out in the appended claims.

In the said drawings, Figure 1 is a perspective view of a complete wrapper embodying the invention. Fig. 2 is an enlarged detail view illustrating a step in the manufacture of the wrapper shown in Fig. 1. Fig. 3 is a view illustrating the manner in which the wrappers illustrated in Fig. 1 are produced from a continuous web or strip of material. Figs. 4 and 5 are views similar to Figs. 1 and 3 illustrating a modified form of the invention in which no adhesive material is applied directly to the string. Figs. 6, 7 and 8 are views similar to Figs. 1, 2 and 3, illustrating a further modification of the invention. Figs. 9 and 10 illustrate another modification, and Fig. 11 illustrates a still further modification in which use is made of detached portions of material for covering the thread or cord and securing the same to the surface of the wrapper.

Reference character 10 designates the body of an improved wrapper embodying the invention and the same may be provided along one end with an adhesive substance, as indicated at 11, in the same manner as the flap of an envelop, for the purpose of securing the wrapper around a newspaper or other article.

Adjacent the gummed end of the wrapper 10 and extending entirely across the wrapper with the exception of the folded portions at the ends, is a small flexible thread or string 12, which may be secured to the wrapper by first applying to the thread or

string an adhesive substance, and then, before the adhesive substance becomes dry, applying said thread or string directly to the material out of which the wrapper is made and permitting the adhesive material to be dried in any suitable manner.

In the manufacture of wrappers, the string or thread 12 of a continuous length may be strung along a like continuous web or strip of paper or other material, as illustrated in Fig. 3, and after the string is secured to the strip the web or strip may be severed at suitable intervals to provide wrappers of the desired length, lines of detachment in Fig. 3 being shown by dotted lines, as indicated by the reference character 13. To firmly secure the ends of the string or thread to the wrapper, the edges of the body portion 10 are slit adjacent the ends of the string or thread providing the tongues 14 which are then folded and pasted down flat on the surface of the wrapper supporting the string or thread, as illustrated in Figs. 1 and 2. When the tongues 14 are folded as indicated, a portion of the thread or string will be folded with said tongues. The process of folding the tongue and thread and the application of adhesive material is illustrated in Fig. 2, the adhesive material on the tongue 14 or the body 10 being indicated by the reference character 15. When wrappers of the form illustrated in Fig. 1 are produced from a continuous web of paper as shown in Fig. 3, the tongues 14 are cut from the web preferably before the wrappers are severed from the strip and after the string is secured to the web. The same means employed in cutting out the portions 14 will also sever the thread. A wrapper constructed in this manner by securing the ends of the string by the folded and pasted portions 14 has the ends of its strings so securely fastened that the wrappers may be piled and handled in bulk without the least danger of the displacement of the thread or string and when such wrappers are used on newspapers, periodicals and the like, the ends of the string or thread will be readily accessible for the operator. It is found that this method of securing the ends of the string or thread is so satisfactory that the common method heretofore employed of securing the thread or string to the wrapper along its entire length with adhesive may be dispensed with and the thread or string secured only at its ends by the folded portions 14, as illustrated in Figs. 4 and 5. Wrappers constructed in this manner without the use of adhesive material on the strings or threads may be made without subjecting them to any rapid drying processes for they may be piled immediately without danger of the threaded or other portions of the wrapper adhering to each other. Although adhesive

substance is applied to the tongue portions 14, it is applied, as will be seen, to the underside of these portions which are pasted down flat on the body portion of the wrapper so that no wet or gummed surfaces are exposed.

Under certain circumstances, it is desirable that wrappers of the character described be made so that the ends of the strings or threads will be exposed so that the operator may grasp the ends when it is desired to open the package. At the same time it is just as desirable that the string or thread be firmly secured adjacent the ends, as in the forms already described, and to secure these results a modified form of the invention as illustrated in Figs. 6, 7 and 8 may be employed. In this form of wrapper the folded portions cut from the sides of the body portion adjacent the ends of the string are partly severed along the line of fold, thus allowing the string to be inserted under the partly severed portion. In making the wrappers from the continuous web, as illustrated in Fig. 7, it is preferred that the cut and folded portions as indicated at 14^a are preferably cut from the material of the strip before the thread 12 is inserted under them. This allows the thread to extend continuously throughout the web or strip and after the portions 14^a are pasted down on the thread, the wrappers are then severed along the line 13, leaving the ends 12^a free as illustrated in Figs. 6 and 8.

In Figs. 9 and 10 a modified form of the invention is illustrated for securing the ends of the string to the wrapper. In this form a portion of the main body portion on both sides of the string adjacent the end are partially severed and folded over on top of the string and secured in position by adhesive material with the result that a tongue 16 is provided consisting of three thicknesses of the material of the body portion. This tongue 16 furnishes a convenient means to be grasped by the operator in opening the package. In Fig. 9 the string 12 between the end portions thereof is shown secured to the body portion by means of the partially detached tongues 17 cut from the body portion and pasted down over the string to the surface of the body portion. This means of securing the string between the ends, when securing means is desired, also enables the rapid drying process to be dispensed with since no gummed surfaces are left exposed.

In order that the invention may be fully understood the details of the preferred embodiments thereof have been thus specifically described, but

What I claim is—

1. A wrapper for newspapers, periodicals and the like, comprising a body portion, a thread or cord extending transversely across said body portion and terminating adjacent the edge thereof, and an integral flap cut

from the body portion by spaced slits on each side of the end of the thread, said flap being folded back and pasted flat to the body portion over the end of said thread.

5 2. A wrapper for newspapers, periodicals and the like, comprising a body portion having a thread or cord extending transversely across the body portion and terminating
10 flush with the edge thereof, said body portion being provided with slits in the edge thereof forming integral flaps adjacent to the ends of the thread or cord, said flaps being folded inwardly from the edge to cover
15 the ends of the thread and pasted flat to said body portion.

3. In a wrapper for newspapers, periodicals and the like, the combination with a body portion, of a thread or cord arranged

transversely of the body portion terminating flush with the edges thereof, said body portion being provided with integral flaps cut therefrom adjacent the edges and the ends of said thread or cord and said integral flaps and the ends of said thread or cord being
20 folded inwardly and pasted flat to the body portion of the wrapper, and means intermediate the ends of said thread or cord for
25 securing the same to the body portion.

In testimony whereof I have signed my name to this specification, in the presence of
30 two subscribing witnesses, on this 2nd day of June, A. D. 1908.

EPHRAIM H. RODEN.

Witnesses:

M. W. CANTWELL,
A. L. SPRINKLE.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."