R. WEYRICH.

PACKAGE SECURING DEVICE.

APPLICATION FILED SEPT. 23, 1907.

1,068,029. Patented July 22, 1913.

Fig. 1.

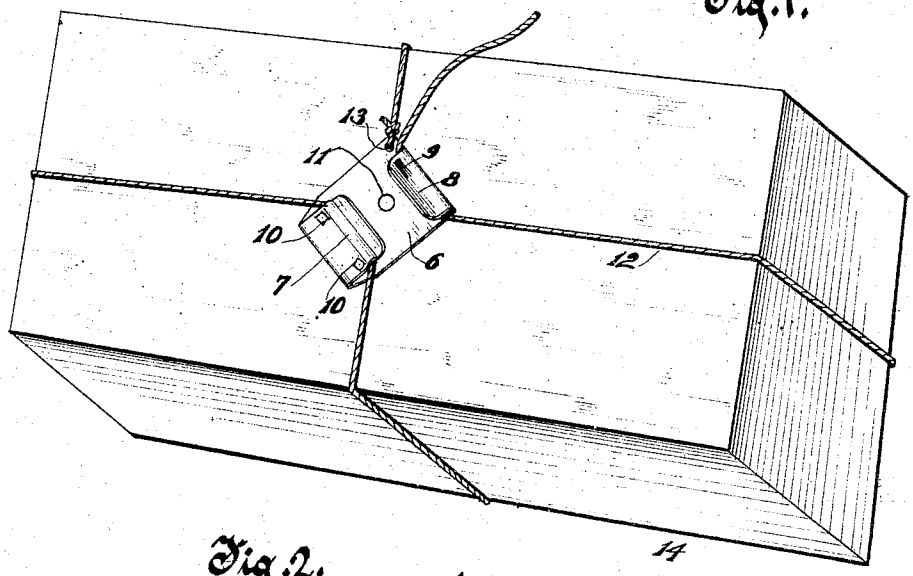


Fig. 2.

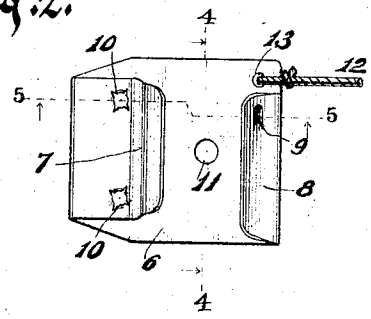


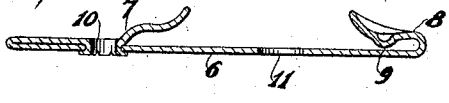
Fig. 3.



Fig. 4.



Fig. 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

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PACKAGE-SECURING DEVICE.

1,068,029. Specification of Letters Patent. Patented July 22, 1913.

Application filed September 23, 1907. Serial No. 394,072.

To all whom it may concern:

Be it known that I, RUDOLPH WEYRICH, residing in Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented new and useful Improvements in Package-Securing Devices, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

My invention has relation to improvements in package securing devices, particularly adapted, although not necessarily, for use in tying together a number of packages of mail matter.

Ordinarily in post offices, the mail which is required to be sent from the post office to distant points is tied up in bundles, strings being usually employed for the purpose. These bundles are subsequently untied on the cars by the railway mail clerks for the purpose of assorting the mail and placing the letters and packages in the proper boxes of the mail car. This mail is again required to be tied up after being thus assorted, for delivery to different post offices. It is also customary for the carriers in delivering local mail to either tie up packages of letters and mail matter, or strap such packages together. The means now adopted, therefore, require the use and waste of a great quantity of cord, or else the employment of leather straps, which latter, when used in large quantities, necessitate of course considerable expense.

It is the object of my invention to provide a simple device to be used in connection with a cord, and which device, together with the cord, can be used over and over, thus resulting in a great saving in expense.

With the above primary object, and other incidental objects, in view, the invention consists of the devices and parts, or their equivalents, as hereinafter set forth.

In the accompanying drawing, Figure 1 is a perspective view of a package of letters contained in envelops and secured together by means of my improved device; Fig. 2 is a plan view of the device; Fig. 3 is an edge view thereof; Fig. 4 is a cross section on the line 4—4 of Fig. 2; and Fig. 5 is a longitudinal, sectional view on the line 5—5 of Fig. 2.

The device consists of a flat plate 6, preferably of spring metal, and advisably of rectangular form. Opposite ends of the plate are bent over the main portion thereof to form projecting lips 7 and 8, lip 7 being somewhat longer than lip 8.

It will be noticed that lip 8 is free from contact with the body of the plate, and is provided near one end with a slightly elongated depressed portion forming a downwardly extending lug 9. Lip 7, however, is preferably in contact with the body of the plate except at its inner end which is bent up slightly. The inner end or edge of lip 8 is also preferably bent up slightly, although, as stated this lip 8 throughout is free from contact with the main portion of the plate. The portion of the lip 7 which is in contact with the body of the plate is held in contact therewith by punching holes 10, 10 through the lip and through the main portion of the plate; and forcing the metal of the punched out holes of the lip through the holes of the main portion of the plate and upsetting it against the under side of said main portion of the plate. The plate may also be provided with a hole 11 lying intermediate of the two lips, said hole adapting the device to be hung on a nail or hook, when not in use.

A cord 12 is employed in connection with the device, and this cord is secured in any desirable manner to one corner of the plate, preferably by being passed through a hole 13 in one of said corners, and then knotted.

In Fig. 1 of the drawing, the device is shown as applied to a bundle of letters contained in envelops 14, and from this figure it will be seen that the plate is applied in a diagonal direction to the center of the top of the bundle. The cord is then carried transversely along the top, thence down one side of the bundle, thence transversely of the bottom of the bundle, thence up the opposite side, thence over the top and beneath the upstanding inner end of lip 7, thence longitudinally along the top, thence down one end of the bundle, thence longitudinally along the bottom, thence up the opposite end, thence longitudinally along the top, and finally beneath the lip 8, being forced back of the lug 9, which lug serves to releasably hold the cord against accidental disengagement. The length of the cord may be regulated so as to be as near as possible the proper length of the usual sizes of packages, to thereby prevent as much waste of cord as possible, although I prefer to equip different plates with varying lengths of cords.

From the foregoing description, it will be seen that I provide a most simple form of device which is of such character as to avoid to a very great extent the disadvantages connected with the present mode of tying up packages of mail matter.

While I have described my invention as more especially adapted for tying up mail matter, yet it will be obvious that it is applicable to tying up bundles generally of any character, or for tying up boxes in stores or elsewhere.

What I claim as my invention is:

A package tying device, comprising a plate of resilient metal having its opposite edge portions bent over upon itself to form cord engaging lips, one of said lips being rigidly connected to the plate at a point between the bend and the inner edge of the lip to make the said lip non-yielding, and the other lip portion being provided with a locking lug which yieldingly bears against the plate and spaces its lip therefrom, and a cord non-removably connected at one end of the plate and adapted to have a looped connection with the non-yielding lip, and the free end portion of the cord interposed and clamped between the yielding lip and the plate and positioned between the locking lug and the bent over portion of the lip, the said locking lug preventing the portion of the cord engaged from slipping laterally out of engagement with the lip.

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

RUDOLPH WEYRICH.

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