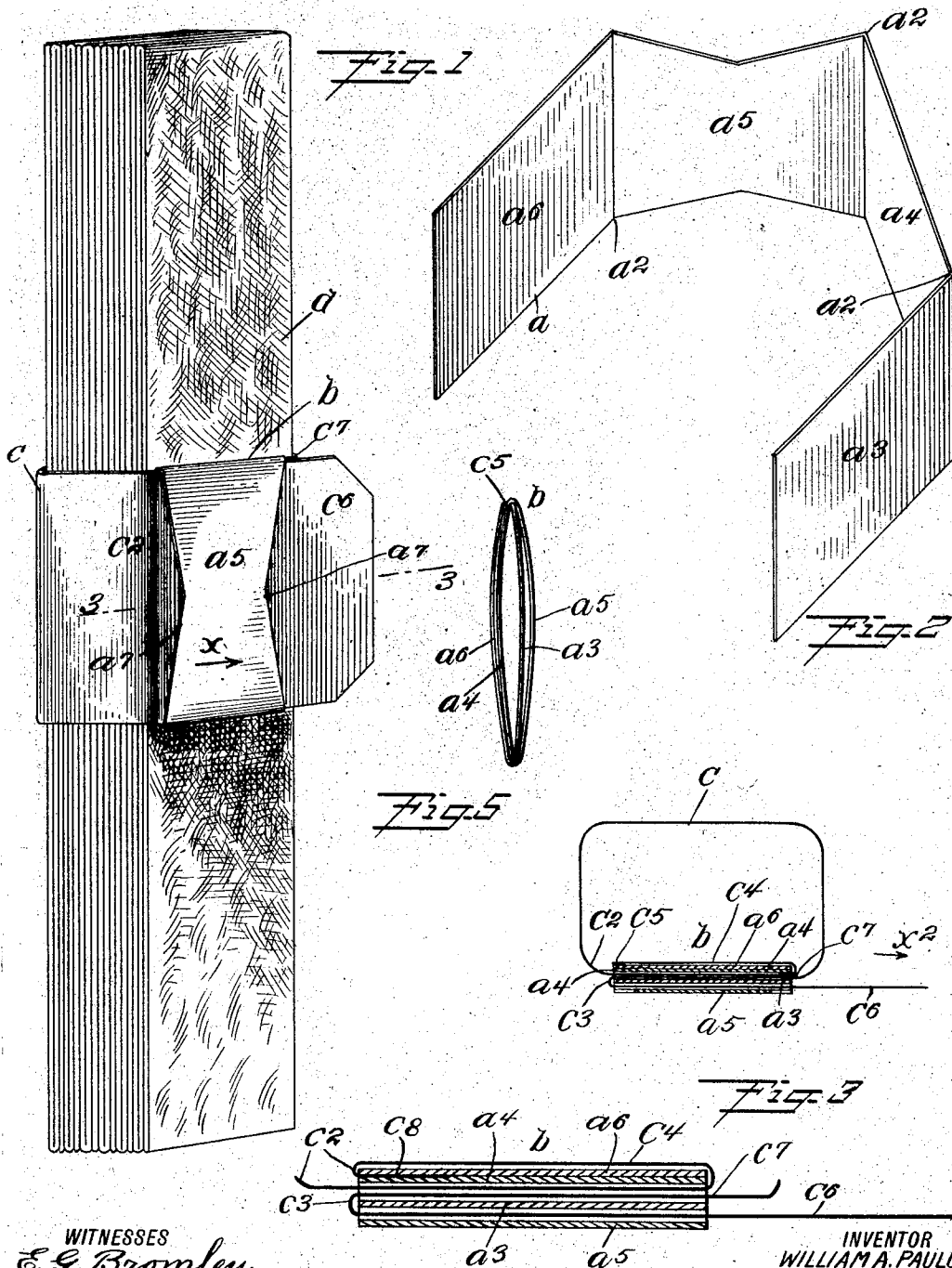


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PACKAGE BAND FASTENING DEVICE.
APPLICATION FILED NOV. 1, 1910.

1,021,884.

Patented Apr. 2, 1912.



WITNESSES
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PACKAGE-BAND-FASTENING DEVICE.

1,021,884.

Specification of Letters Patent.

Patented Apr. 2, 1912.

Application filed November 1, 1910. Serial No. 590,117.

To all whom it may concern:

Be it known that I, WILLIAM A. PAULUS, a citizen of the United States, and residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Package-Band-Fastening Devices, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to fastening devices for use in connection with bands designed to secure packages of various articles together, and the object thereof is to provide an improved device of this class which is simple in construction, convenient in operation, and which will permit the use of a band without the necessity of tying the same.

The invention is fully disclosed in the following specification, of which the accompanying drawing forms a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which:—

Figure 1 is a perspective view of my improved locking band employed in connection with a band for tying up or securing a package of neckties or similar articles; Fig. 2 a perspective view of a blank from which my improved locking band is formed; Fig. 3 a cross section on the line 3—3 of Fig. 1; Fig. 4 a view similar to Fig. 3 but showing a modification, and;—Fig. 5 a view of the locking band detached and looking in the direction of the arrow *x* of Fig. 1.

In the practice of my invention I provide a band *a* preferably of cardboard or other stiff, strong paper, and this band is divided transversely by score lines *a*² which divide the same into four approximately equal parts *a*³, *a*⁴, *a*⁵ and *a*⁶, and these parts are then folded to form a complete fastening device *b*. In this operation the part *a*³ is first folded on to the part *a*⁴ and the parts *a*³ and *a*⁴ are then folded on to the part *a*⁵, after which the part *a*⁶ is folded over the part *a*⁴. A paper tie band *c* is employed in connection with the fastening device *b*, and in practice one end *c*² thereof is passed through the center of the fastening or locking band as shown at *c*³ and around and across the back thereof as shown at *c*⁴ and sealed at *c*⁵ in the construction shown in Fig. 3. The package tie holder is then complete and ready for use, and in this use the other end *c*⁶ of the band *c* is passed around

the said package and through the locking band as shown at *c*⁷, and then drawn tight and passed back through the fastening device and under the front *a*⁵ thereof. This forms a simple and effective fastening device for the bundle or package *d*, and one which is comparatively inexpensive and when it is desired to untie the bundle or package the band *c* may be simply torn off, or the end *c*⁶ thereof may be passed back from under the front fold *a*⁵ of the locking band *b* and then pulled out in the direction of the arrow *x*² of Fig. 3.

In Fig. 4 I have shown a slight modification in which instead of sealing the end *c*² of the tie band *c* at *c*⁵ as shown in Fig. 3, the said end is pulled farther around and passed back between the parts *a*⁴ and *a*⁶ of the locking band as indicated at *c*⁸, and this is the only difference between the construction shown in Fig. 3 and that shown in Fig. 4. It will be understood however that when the device is in use, the end *c*² of the band *c* will be securely held when applied as shown in Fig. 4. In practice I also preferably cut away the edges of the front fold *a*⁵ of the band *a* as shown at *a*⁷ in Fig. 1, and this facilitates the passage of the end *c*⁶ of the band *c* under the said front fold *a*⁵ as will be readily understood, and it will also be understood that the band *c* may be connected with the locking band so that the end *c*⁶ thereof may be passed in either direction.

Although I have described the band *c* as made of paper it will be apparent that the same may be composed of any suitable material as may also the locking band *b* in connection with which said band is used, and from the foregoing description it will be seen that the locking band *b* is made in the general form of a buckle and consists, when complete, of four separate parts, between which the band *c* is passed as hereinbefore described, and my invention is not limited to the exact construction of the said locking band *b* as herein set out, and various changes therein and modifications thereof may be made, within the scope of the appended claims without departing from the spirit of my invention or sacrificing its advantages.

Having fully described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

1. A fastening device, comprising a lock-

ing band consisting of a strip of flexible material divided by score lines into four substantially equal parts, one end folded onto its adjacent part and these onto the
5 next and so on, the last fold having its end secured to the part folded upon it; and a tie-band connected at one end with the folds on one side of the center of said locking band, the other end of the tie band being
10 free, said locking band being adapted to permit the passage of the free end of the tie band centrally through the same and between the folds of the same on either side of the center, substantially as described.
15 2. A fastening device, comprising a locking band consisting of a strip of flexible material divided by score lines into four substantially equal parts, one end folded onto its adjacent part and these onto the
20 next and so on, the last fold having its end

secured to the part folded upon it, and a tie-band connected at one end with the folds on one side of the center of said locking band the other end of the tie band being free, said locking band being adapted to
25 permit the passage of the free end of the tie-band centrally through the same and between the folds of the same on either side of the center; an outer fold of said locking band also being cut away to facilitate the
30 passage of the tie-band beneath it.

In testimony that I claim the foregoing as my invention I have signed my name in presence of the subscribing witnesses this
31st day of October 1910.

WILLIAM A. PAULUS.

Witnesses:

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B. M. RYERSON.