

W. T. TIMMERMAN.
FASTENING DEVICE FOR PACKAGES.
APPLICATION FILED APR. 18, 1914.

1,156,565.

Patented Oct. 12, 1915.

2 SHEETS—SHEET 1.

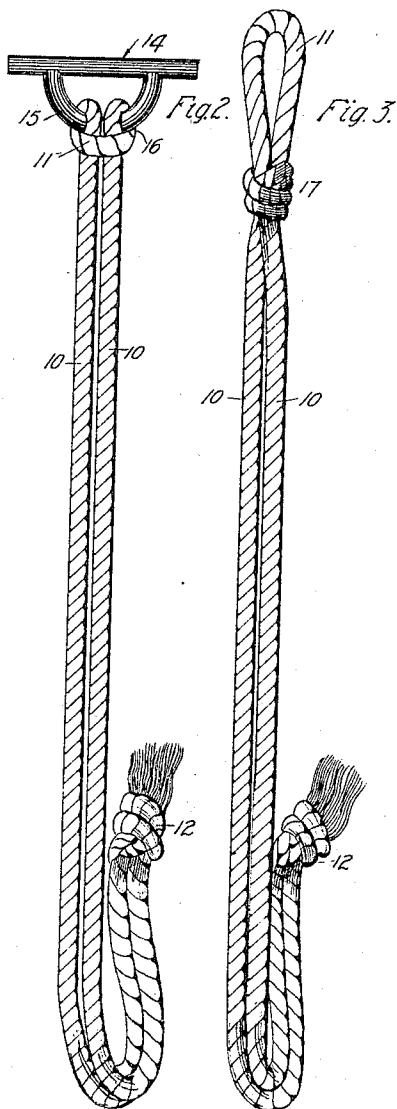
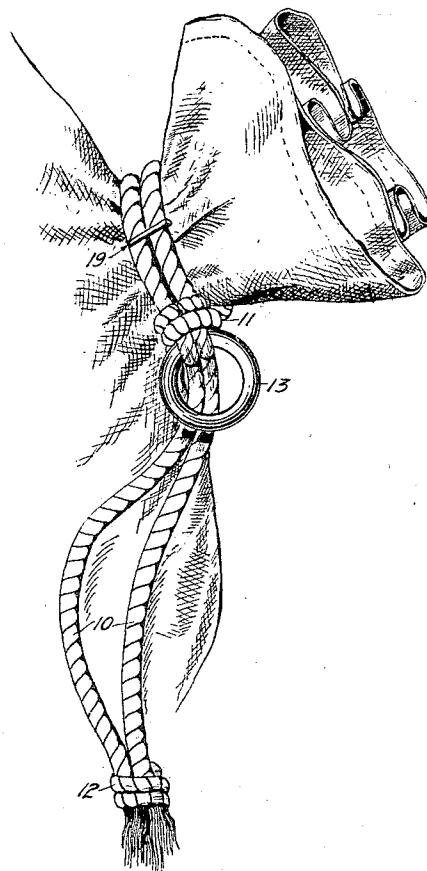


Fig. 1.



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Fig. 4

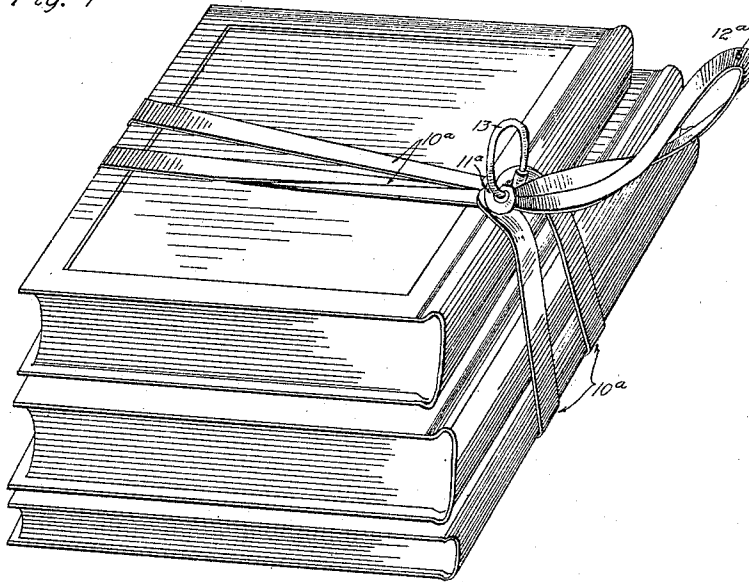
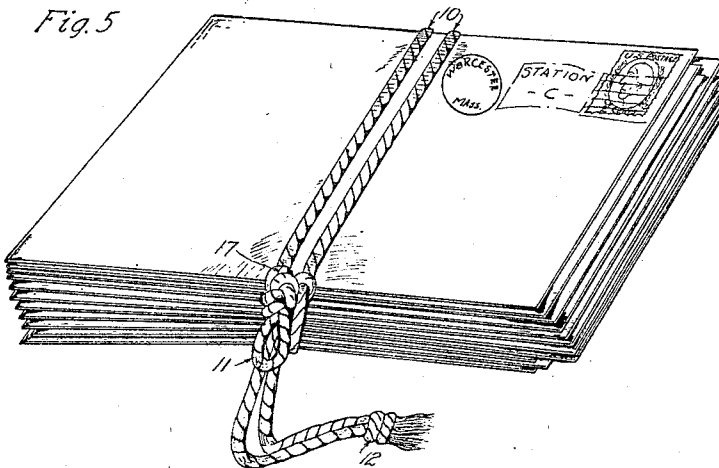


Fig. 5



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UNITED STATES PATENT OFFICE.

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FASTENING DEVICE FOR PACKAGES.

1,156,565.

Specification of Letters Patent.

Patented Oct. 12, 1915.

Application filed April 18, 1914. Serial No. 832,764.

To all whom it may concern:

Be it known that I, WILLIAM T. TIMMERMAN, a citizen of the United States, and a resident of the city, county, and State of New York, have invented certain new and useful Improvements in Fastening Devices for Packages, of which the following is a specification.

This invention relates to fastening devices for packages of various kinds, as for example bundles of letters, school books, the mouths of bags, and in fact any package which it is desired to securely fasten and readily unfasten.

The object of the invention is to provide a device, simple and inexpensive in construction, easily applied, secured and released, and which, when secured, will not yield in any manner except when manipulated to effect its release.

I will describe preferred embodiments of the invention and then point out the novel features in claims.

In the accompanying drawings, Figure 1 is a perspective view of a portion of a bag with my fastening device applied to the mouth thereof; Fig. 2 and Fig. 3 are plan views of different forms of the fastening device; Fig. 4 is a perspective view of a bundle of books secured together by a further modification of my fastening device; Fig. 5 is a similar view of a bundle of letters secured together by my fastening device.

The fastening device consists of two strands of flexible material extending side by side and an abutment at or near one end of said strands. Preferably the two strands will be formed by doubling a single piece of flexible material to form a loop and the abutment will be at or near the looped end of the two strands. The other, or free ends of the two strands will preferably be connected together by a knot as in Figs. 1, 2, 3 and 5 or by a rivet or other suitable fastening means as shown in Fig. 4. The flexible strands may consist of round cord as in Figs. 1, 2, 3 and 5 or of flat webbing, or a strip of leather as in Fig. 4.

Referring now to Figs. 1, 2, 3 and 5 the two strands of flexible material are indicated by 10—10 and as shown are formed from a single piece of cord folded substantially midway its length to form a loop 11 and the free ends of the two strands are tied together in a knot as indicated by 12.

The abutment preferably will be formed

by connecting the looped end of the flexible strands to an open member of rigid material as metal, hard rubber, etc. which will have a curved portion to which the looped end of the flexible strands is connected. By "open member of rigid material," I mean to include any device provided with an opening and made of material which is sufficiently rigid to withstand the strain resulting from fastening and which retains substantially its original shape. As shown in Figs. 1 and 4 the open member is in the form of a ring 13, while in Fig. 2, it consists of a straight bar 14 and an integral curved bar 15. The ends of the straight bar 14 preferably extend beyond the curved bar to form finger holds. The flexible strands are connected to the abutment by running the free ends through the opening therein and also through the loop 11, and then drawing the parts tightly together as indicated at 16, and the loop 11 in this form constitutes the abutment.

In Fig. 3 the abutment is formed by tying a knot 17 in both strands near the loop 11, and the looped portion of the strands extending beyond the knot 11 will form a finger hold the same as the ring 13 or the bar 14.

In Fig. 4 the flexible strands 10^a—10^a are formed from a single piece of flat metal, such as webbing, tape or leather, doubled to form a loop 11^a and the free ends are secured together by means of a rivet 12^a or a similar fastening device. The loop 11^a is secured to ring 13 in the same manner as the loop 11, Fig. 2, is secured to the device 15.

The fastening device is applied to the package as follows—no matter which form of abutment is employed: The flexible strands have one turn around the package, no matter what it may be, and the free end portions cross over and extend beyond the abutment one on each side thereof. The free end portions are then folded in between the two strands beneath the abutment and outwardly between themselves and then drawn tightly. The abutment crowds the different portions of the flexible strands, which are thus brought adjacent thereto, tightly together and outward pressure on the strands caused by expansion or positively applied force tends only to more firmly secure the fastening. To release the fastening it is only necessary to pull the abutment in a direction opposite to the di-

rection of pull on the free ends of the strands when securing the fastener about the package, and the interlocking parts of the strands will slip apart.

5 When the fastening is used for bags, the flexible strands 10—10 may be permanently secured to the bag by means of a staple 19, as indicated in Fig. 1, or by any other suitable securing devices.

10 Having described my invention, I claim:—

1. A fastening device for packages and the like comprising two strands of flexible material and an abutment adjacent to one end of said strands, said flexible strands having at least one turn around the package with the loose end portions crossing over and extending beyond the abutment, one on each side thereof, then passing over and between the strands and beneath the abutment and outwardly between themselves.

2. A fastening device for packages and the like comprising an open member of rigid material having a curved portion, a piece of flexible material doubled to form a loop and two strands passing through the curved portion of the open member and also through the loop and being drawn tightly to bring the loop outside the said curved portion, and said loop forming an abutment, said flexible strands having at least one turn around the package with the loose end portions crossing over and extending beyond the abutment, one on each side thereof, then passing over and between the strands adjacent to the

abutment, then under the said abutment and outwardly between themselves. 35

3. A fastening device for bags, packages and the like, comprising two strips or cords provided at one end thereof with an abutment and a part to be grasped for the purpose of releasing said device, said two strips or cords having at least one turn around the bag or package, and the other end portions thereof passing over and in between said strips at a point in the rear of said abutment and extending beneath and beyond the same. 45

4. A fastening device for bags, packages and the like, comprising two strips or cords provided with an abutment near one end thereof, said strips or cords having a turn around the bag or package, and the other end portions thereof passing over and in between said strips or cords at a point in the rear of said abutment, extending beneath and beyond the same and adapted to be grasped and pulled in one direction to tighten the fastening, and a finger hold adjacent to the abutment to be grasped to pull the abutment in the opposite direction to release the fastening. 55

In witness whereof, I have signed my name to the foregoing specification in the presence of two subscribing witnesses. 60

WILLIAM T. TIMMERMAN.

Witnesses:

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