

No. 672,668.

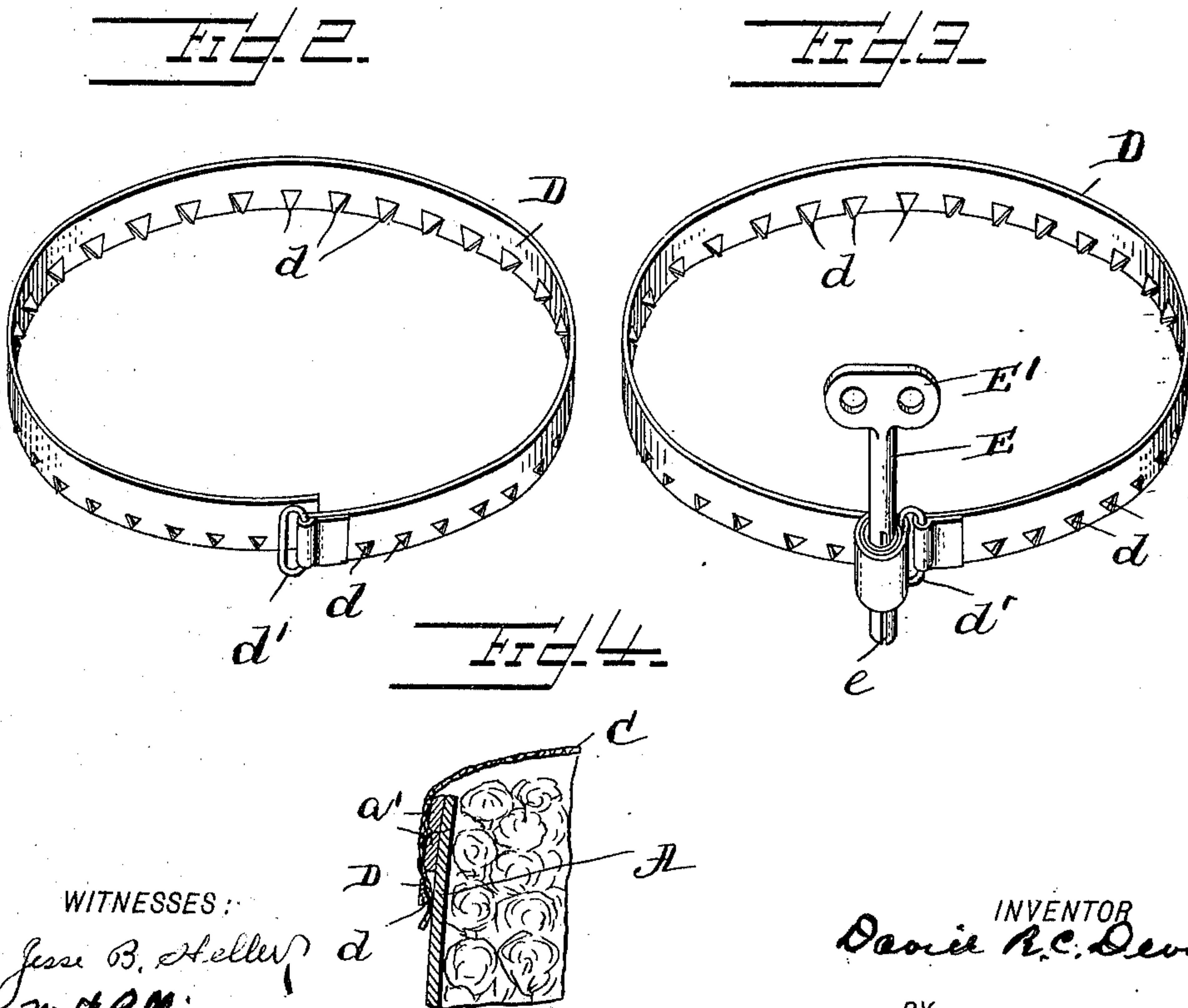
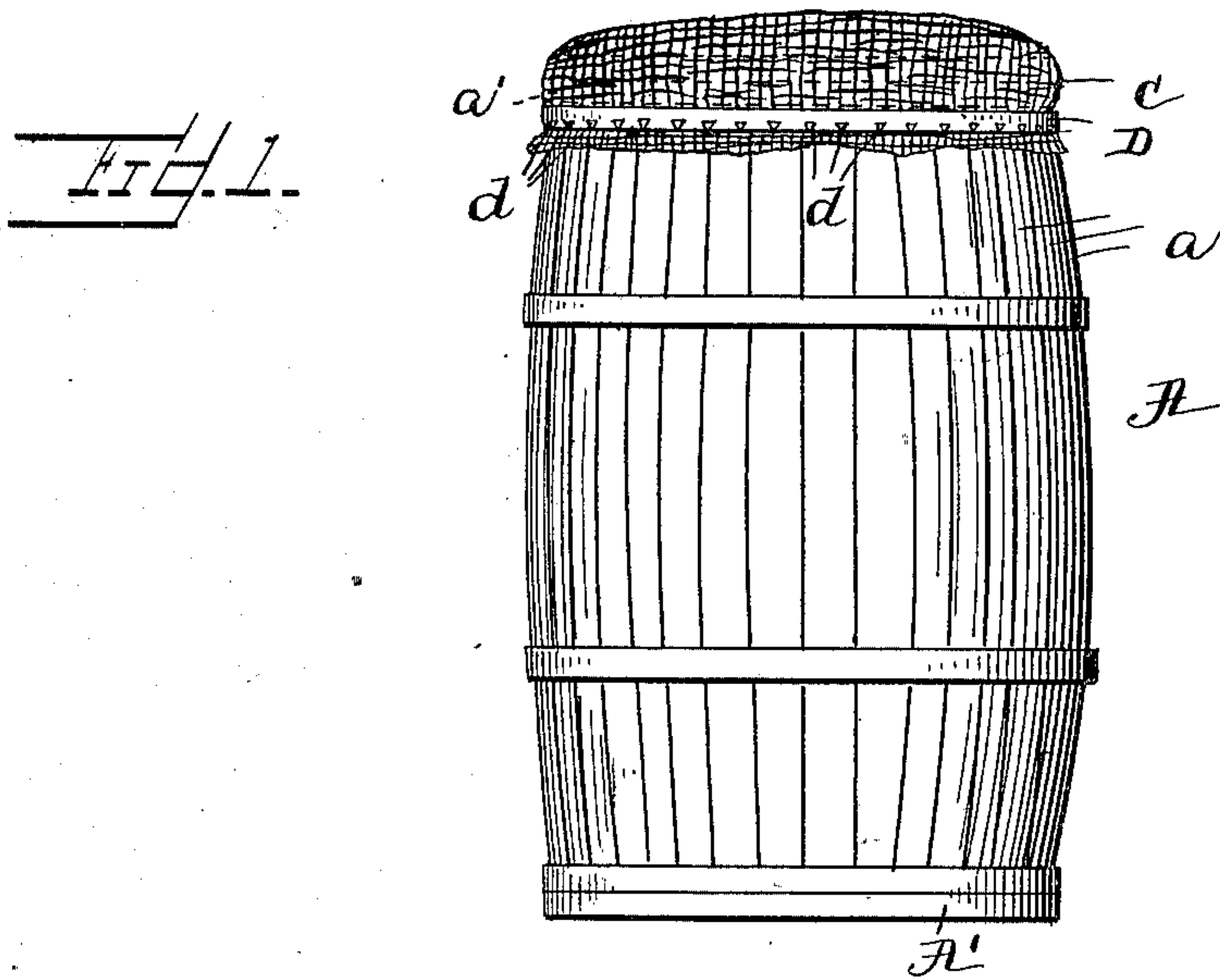
Patented Apr. 23, 1901.

D. R. C. DEVINE.

FASTENING DEVICE FOR FABRIC PACKAGE COVERS.

(Application filed June 18, 1900.)

(No Model.)



WITNESSES:

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UNITED STATES PATENT OFFICE.

DAVID R. C. DEVINE, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR OF TWO-THIRDS TO JOHN A. MCKEE AND DOUGLASS D. WILLIAMS, OF SAME PLACE.

FASTENING DEVICE FOR FABRIC PACKAGE-COVERS.

SPECIFICATION forming part of Letters Patent No. 672,668, dated April 23, 1901.

Application filed June 18, 1900. Serial No. 20,638. (No model.)

To all whom it may concern:

Be it known that I, DAVID R. C. DEVINE, a citizen of the United States, residing at Philadelphia, county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Fastening Devices for Fabric Package-Covers, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, which form a part of this specification.

My invention is applicable to that class of packages which are open at one end and covered at that end by burlap or other fabric, either for the purpose—where the articles inclosed are perishable, such as vegetables—to provide ventilation or to prevent breakage, if an ordinary head were secured thereon. As a general thing such fabric coverings are applied either to barrels or baskets. If applied to barrels, the usual manner of attaching is to remove one of the rings at the end where the fabric is to be applied, bringing the fabric over the open head after the articles are placed in the barrel, and then again securing by nails the ring removed upon the fabric. This is not only a slow and expensive way of securing such fabric and removing it to remove the articles, but often the nails used pass through the barrel into the articles, damaging them.

My invention, speaking generally, consists in a peculiar construction of band which may be readily applied to packages after the covering has been applied and which will firmly and securely hold the fabric in place. At the same time the band may be readily removed to allow the fabric to be removed when it is desired to remove the articles. This band consists of a metallic strip having a series of downwardly-extending engaging projections. The band after the fabric has been placed over the open end of the package is passed around the package, overlying a downwardly-projecting portion of the fabric, and the ends of the band are then moved to tightly inclose the package and interlocked. The fabric is thus securely held on the package and is prevented from rising by means of the engagement with the downwardly-extending engaging projections upon the band. When it is

desired to remove the articles, the band is loosened from the package, the two ends of the band separated and removed, and the fabric may then be taken off. By the use of the downward-engaging projections in the band, while the fabric may be stitched downwardly properly, it will be prevented from rising upwardly by engaging with downwardly-extending engaging projections.

In the accompanying drawings I have illustrated my invention as used with a barrel, although it is applicable, as hereinbefore set out, for use with other kinds of packages.

In the drawings, Figure 1 is a side elevation of a barrel with my invention applied to retain the fabric cover. Fig. 2 is a perspective view of the band with the ends opened. Fig. 3 is a view similar to Fig. 2 with the ends of the band drawn together and interlocked. Fig. 4 is an enlarged section through a portion of the barrel.

A is a barrel having the staves *a* and retaining-rings *a'*. The barrel at one end *A* is closed by the ordinary head. Over the other end of the barrel and extending downward is the fabric *C*. The fabric generally used for this purpose is burlap, although any other suitable fabric may be used. After the fabric *C* has been placed over the open end of the barrel my improved band (shown in Fig. 2) is placed around the barrel, beneath one of the retaining-hoops *a'* and overlying the fabric *C*. This band *D* is made of metal, preferably steel, and has on its edges a series of teeth *d*, which are bent so as to project beyond the body of the band and to lie vertically. One end of this band has a loop *d'*. The band *D*, as before described, when open, is passed around the barrel over the fabric *C*, near the end of the barrel and beneath one of the retaining-rings *a'*. The free end of the band *D* is passed through the loop *d'* and a turning-key *E*, Fig. 3, connected thereto. The key *E* is of ordinary construction, having the handle *E'* and the slot *e* in the barrel, in which slot the end of the band is placed. The key is then turned, taking up the slack of the band until it presses against the fabric and barrel. The fabric may then be pulled down the desired amount, the position of the teeth on the

band not preventing this. Finally the key is operated to compress the band tightly upon the barrel. The band lying below the barrel-retaining ring *a'* it cannot move vertically.

5 The fabric is prevented from rising by the band D holding it thereon, and the teeth in the band will catch the fabric. In order to remove the fabric, the key E may be operated in the reverse direction and the band and
10 fabric removed.

In such packages as have no retaining-rings I can attach projections to prevent the vertical movement of the band.

15 Having now fully described my invention, what I claim, and desire to protect by Letters Patent, is—

1. In combination with a package, provided with a fabric cover for one end thereof, of a fastening device surrounding said package
20 said fastening device consisting of a metallic band provided with engaging devices projecting inwardly and vertically downwardly therefrom and engaging the fabric.

2. In combination with a package, provided
25 with a fabric cover for one end thereof, of a fastening device surrounding said package said fastening device consisting of a metallic band provided with teeth projecting inwardly and downwardly therefrom and engaging the
30 fabric.

3. In combination with a package, provided with a fabric cover for one end thereof, of a fastening device surrounding said package said fastening device consisting of a metallic
35 band provided with engaging devices projecting inwardly and downwardly therefrom and engaging the fabric, said band having two free ends, a loop on one end of said band

through which the other end passes and means to lock the band at the loop. 40

4. In combination with a package, provided with a fabric cover for one end thereof, of a fastening device surrounding said package said fastening device consisting of a metallic
45 band provided with teeth projecting inwardly and downwardly therefrom and engaging the fabric, said band having two free ends, a loop on one end of said band through which the other end passes and means to lock the band
50 at the loop.

5. In combination with a package, provided with a fabric cover for one end thereof, of a fastening device surrounding said package said fastening device consisting of a metallic
55 band provided with engaging devices projecting inwardly and downwardly therefrom and engaging the fabric, said band having two free ends, and means to take up slack and secure the ends of the band together.

6. In combination with a package, provided
60 with a fabric cover for one end thereof, of a fastening device surrounding said package said fastening device consisting of a metallic band provided with teeth projecting inwardly and downwardly therefrom and engaging the
65 fabric, said band having two free ends, and means to take up slack and secure the ends of the band together.

In testimony of which invention I have here-
unto set my hand, at Philadelphia, Pennsylv- 70
vania, on this 12th day of June, 1900.

DAVID R. C. DEVINE.

Witnesses:

M. M. HAMILTON,
J. M. SHINDLER, Jr.