

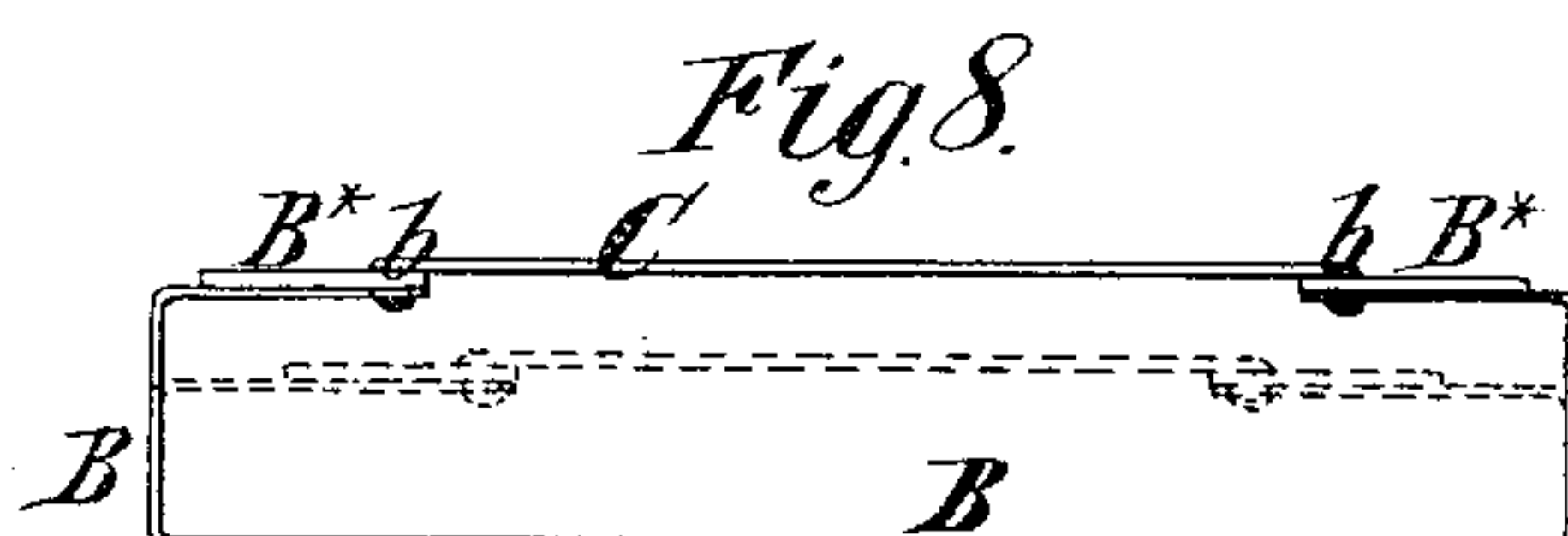
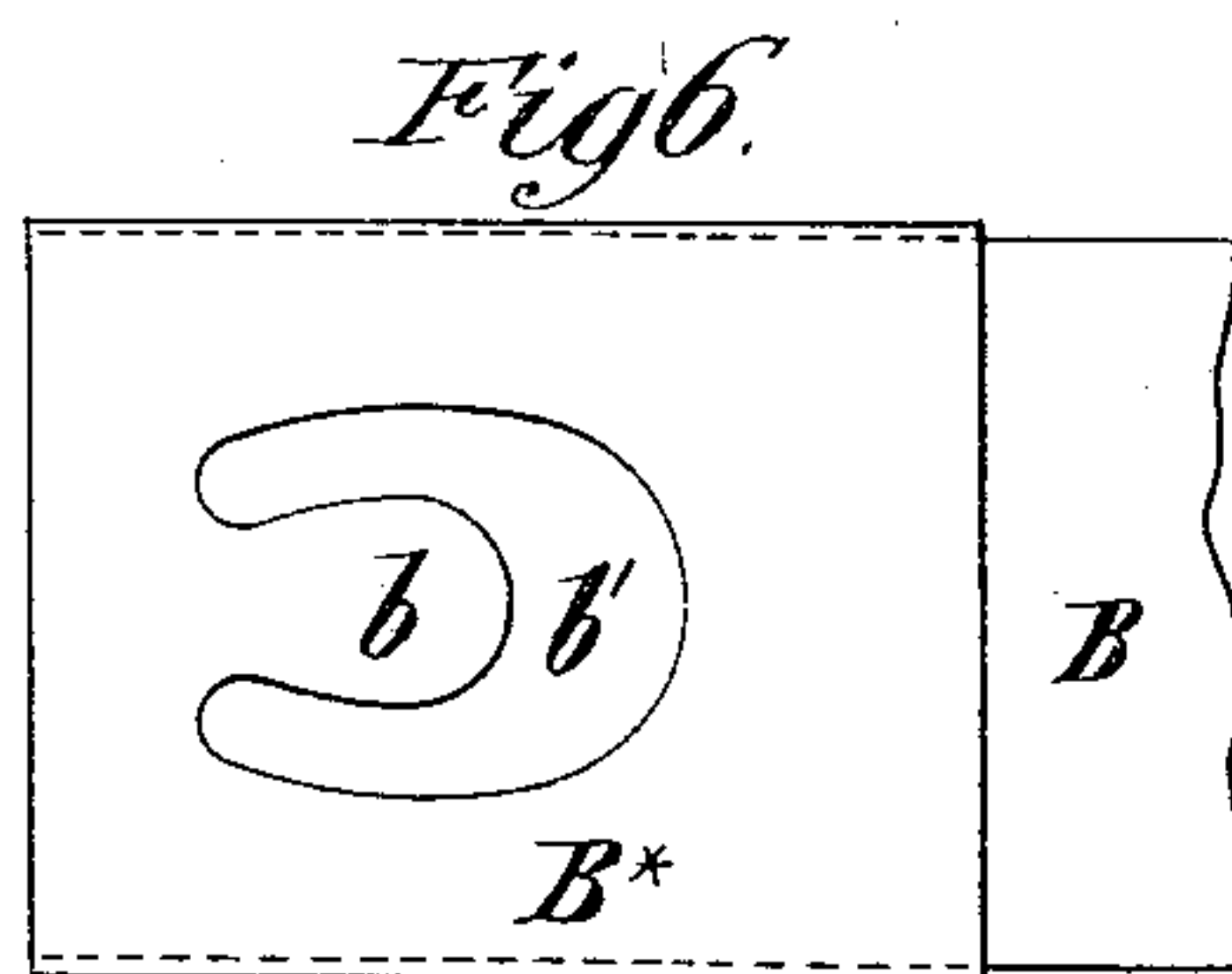
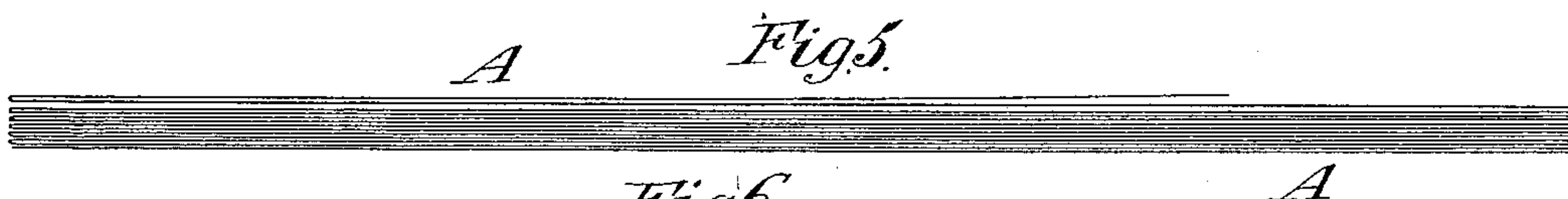
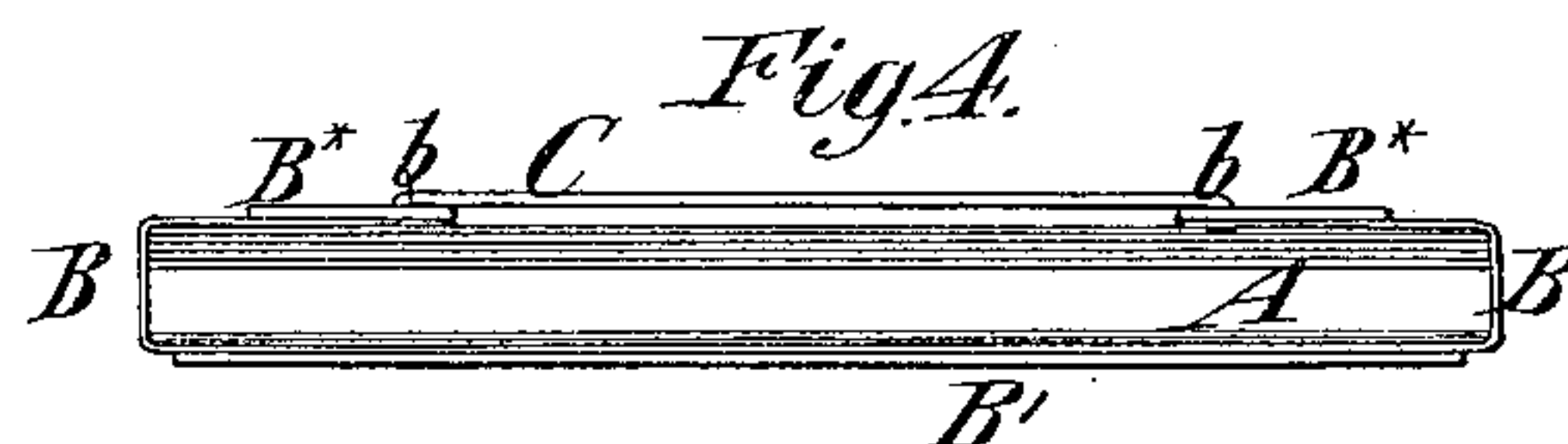
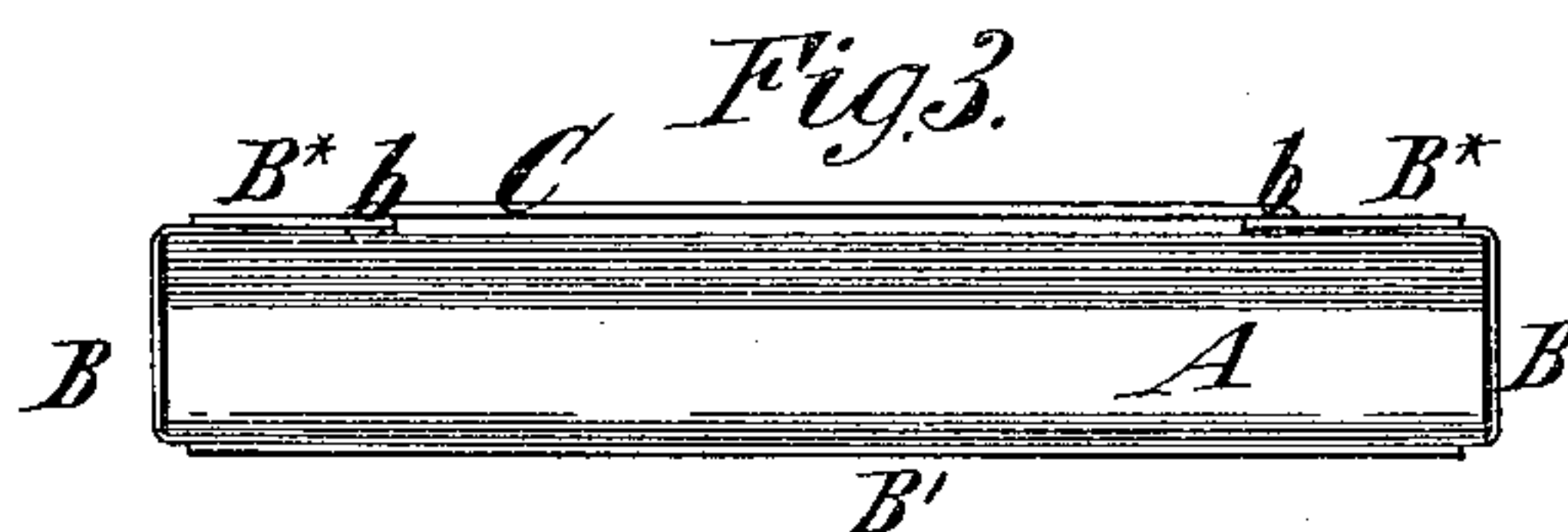
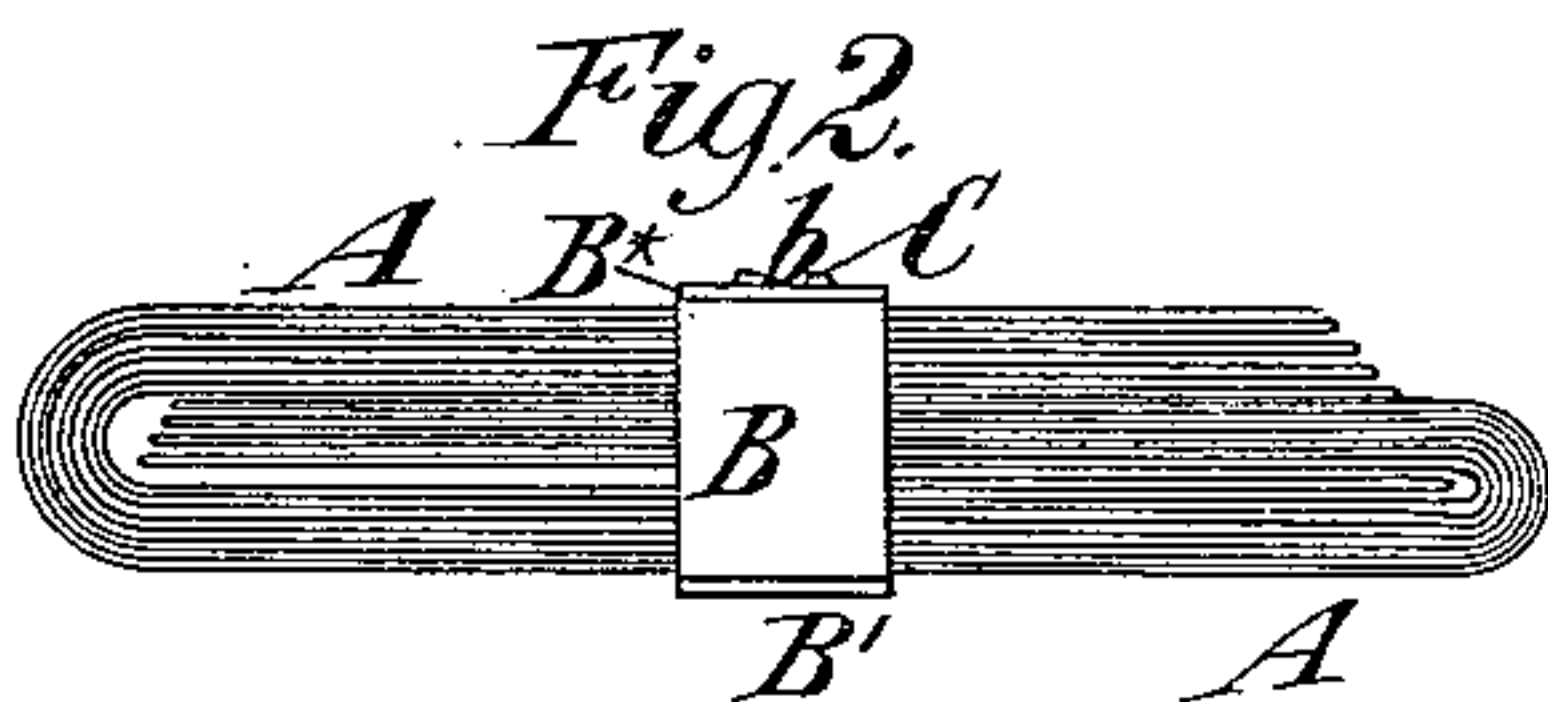
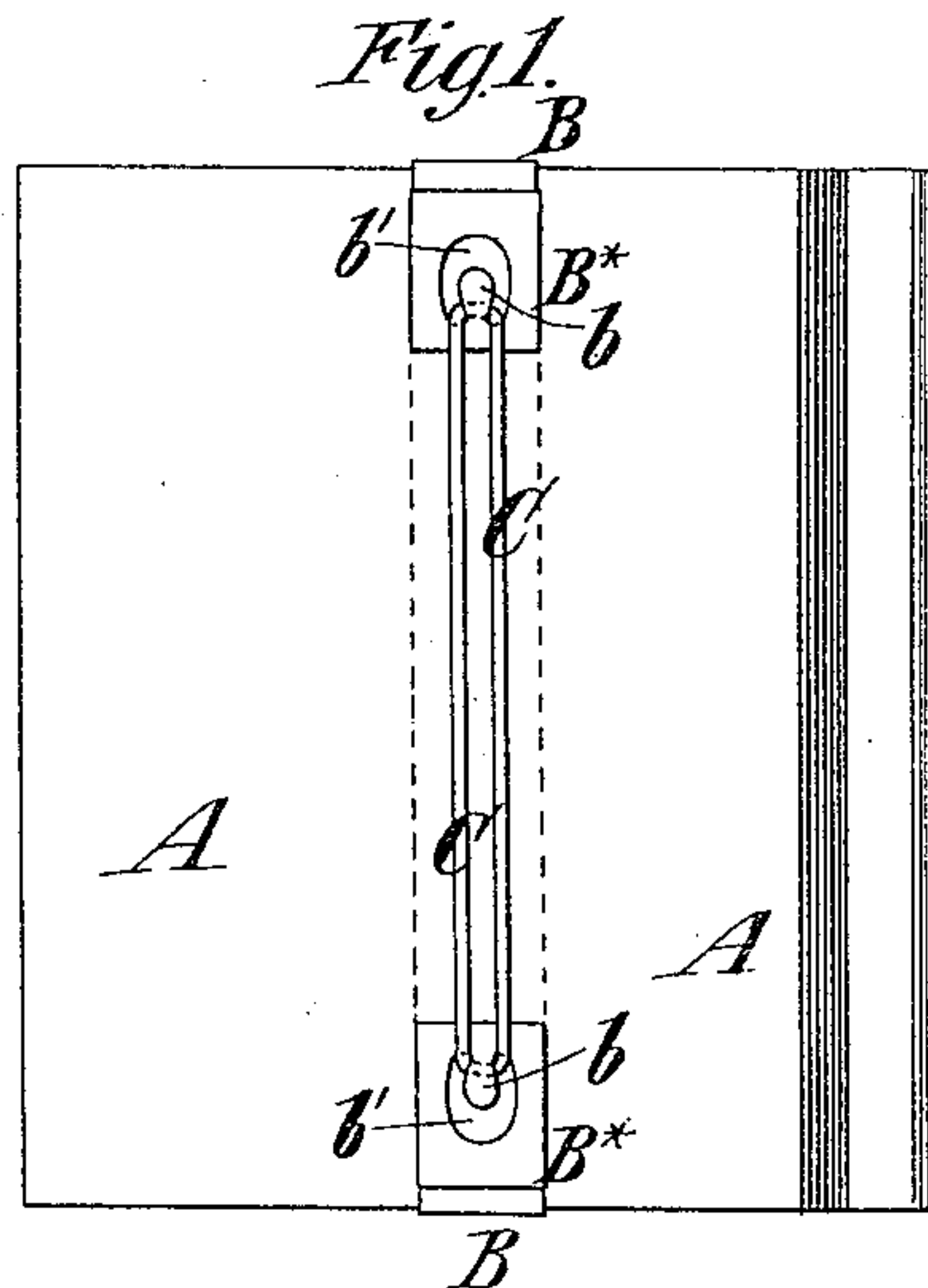
(No Model.)

2 Sheets—Sheet 1.

I. E. PALMER.  
BAND FOR PACKAGES.

No. 350,149.

Patented Oct. 5, 1886.



Witnesses:

O. Sundgren  
Emil Hester.

Inventor:

Isaac E. Palmer  
by his atty  
Brown & Hall

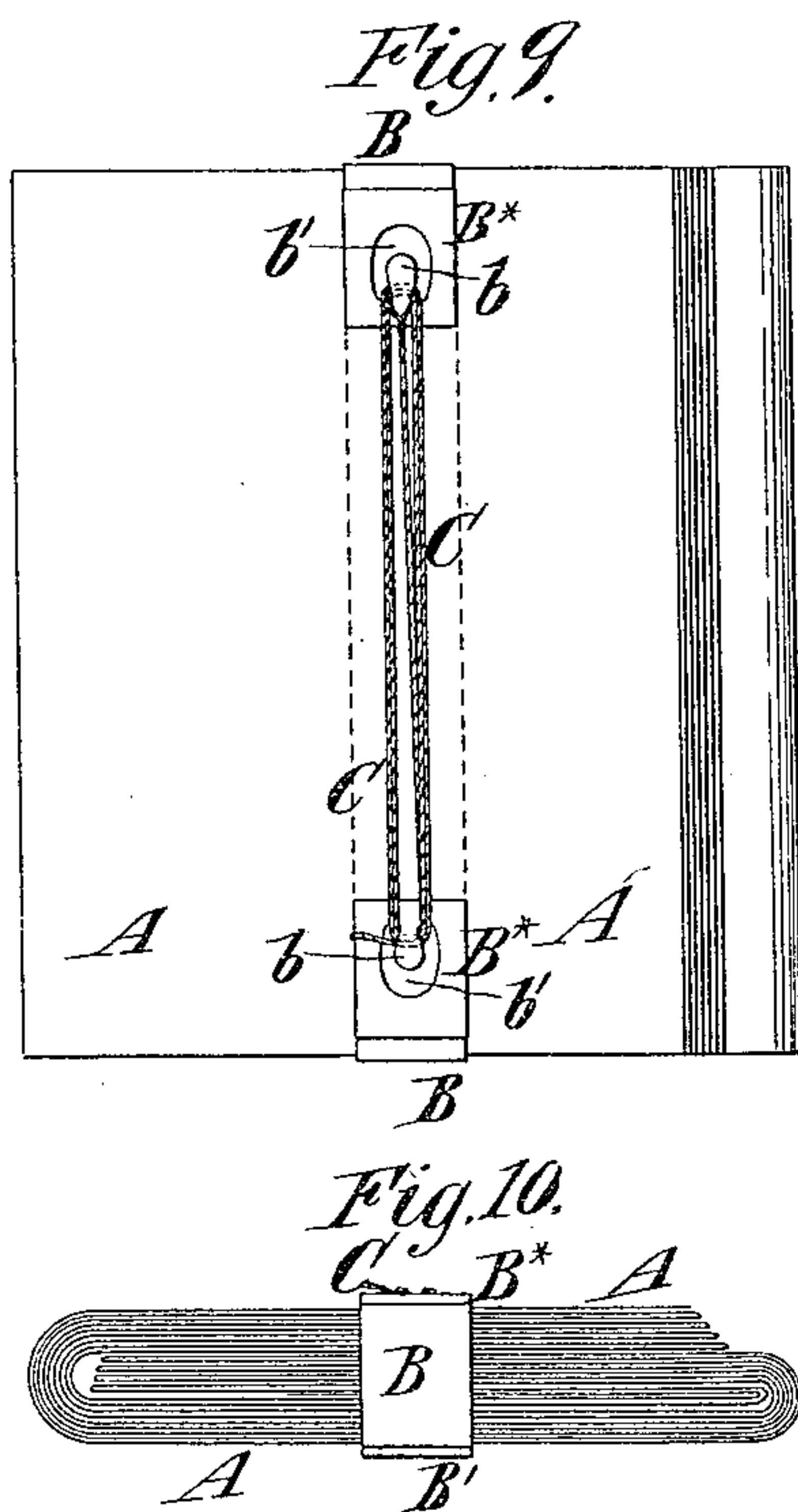
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2 Sheets—Sheet 2.

I. E. PALMER.  
BAND FOR PACKAGES.

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Witnesses:

*Ol. Sundgren*  
*Emil Heister.*

Inventor:

*Isaac E. Palmer*  
*by his Attys*  
*Brown & Hall*



# UNITED STATES PATENT OFFICE.

ISAAC E. PALMER, OF MIDDLETOWN, CONNECTICUT.

## BAND FOR PACKAGES.

SPECIFICATION forming part of Letters Patent No. 350,149, dated October 5, 1886.

Application filed August 27, 1885. Serial No. 175,523. (No model.)

*To all whom it may concern:*

Be it known that I, ISAAC E. PALMER, of Middletown, in the county of Middlesex and State of Connecticut, have invented a new and useful Improvement in Bands for Packages, of which the following is a specification.

My invention relates more particularly to bands whereby piece-goods, when folded so as to form packages each containing a determined quantity, may be held securely or confined, and which are of such construction that they may be readily unfastened when it is desired to open the package to retail goods therefrom, and which may be readily reapplied and may securely confine the package of reduced size after a portion of the goods have been sold and the band reapplied to the package.

The invention consists, essentially, in a band for packages composed of two elements—namely, a flexible or folding member or strap adapted to embrace one side and the edges of a package, and an extensible connection between the ends of such member or strap and detachably secured at one or both ends thereof.

In carrying out my invention I may make the flexible or folding member or strap of tough paper or card-board, which will readily bend or fold, so as to closely embrace the package, and which may be re-enforced at the ends, and at such re-enforced ends I provide tongues, which may be cut from the ends themselves, and with which an elastic band, made of india-rubber or other material, may be detachably engaged, in order to draw the two ends of the flexible member or strap toward each other and contract it upon a package of goods.

In the accompanying drawings, Figure 1 is a plan of a package of goods having my improved band applied thereto. Fig. 2 is an end view thereof, looking in a direction endwise of the band. Fig. 3 is a side view, looking in a direction crosswise of the band. Fig. 4 is a view similar to Fig. 3, but showing the band as contracted about the package after it has been reduced in size by the sale of some of the goods. Fig. 5 represents the piece of goods as opened out preparatory to exhibiting or selling a portion thereof. Figs. 6 and 7 are respectively a plan and section upon a larger scale of the end portion of the flexible or folding member or strap. Fig. 8 is a view similar to Fig. 3, but showing a band having a flexible or folding member or

strap of slightly-modified form; and Figs. 9 and 10 are views similar to Figs. 1 and 2, but showing the ends of the flexible or folding member or strap as joined by an extensible connection consisting of a cord passed or wound to and fro upon the tongues of the member or strap and detachably connecting them.

Similar letters of reference designate corresponding parts in all the figures.

A designates a piece of goods, which in putting up ready for market is first folded, as shown in Fig. 5, so that each fold or layer will represent one yard or other definite quantity of the goods, and which is afterward doubled or folded one or more times upon itself, as shown in Fig. 2, so as to form a compact and small package.

My improved band consists of a flexible or folding member or strap, B, which is adapted to embrace one side and the edges of the package of goods and conform to the shape thereof, and an extensible connection, C, which extends between the two end portions of the member or strap B. As shown in Figs. 3 and 4, the straight portion of the member or strap B, which is on the opposite side of the package from the connection C, may consist of a flat strip, B', of card-board or other comparatively stiff and rigid material, united to the flexible portions of the band B, which confine the edges of the package; or such stiff strip B' may be secured upon and serve to re-enforce the long flexible band B, of tough paper or of cloth.

In the example of my invention shown in Fig. 8 the band B consists of comparatively thin paper, cloth, or other material, and is destitute of the thicker straight portion B' shown in Figs. 3 and 4. I have represented the member or strap B as provided at the ends with re-enforcing-pieces B\*, which may be glued or cemented thereto, and which form a portion of increased thickness. In these portions of increased thickness are cut slots or openings b' of the form shown in Figs. 1, 6, and 7, whereby are produced tongues b, with which the extensible band C may be engaged, as shown best in Fig. 1.

In lieu of cutting the tongues from the same integral piece which composes the strap B and its re-enforcing pieces B\*, I may provide the ends of the member or strap B with tongues otherwise formed therefrom or secured thereto.



In the example of my invention shown in Figs. 1, 2, 3, and 8 the extensible connection C consists of a simple elastic band of india-rubber or other suitable material, which is slipped over the tongues *b* at opposite ends of the member or strap B; but in the example of my invention shown in Figs. 9 and 10 the extensible connection C consists of a cord, which is wound or passed to and fro under the tongues *b* at opposite ends of the member or strap B, and thereby serves to detachably connect such ends together. After the goods are folded or doubled, as shown in Fig. 2, to make the package of the desired form, the flexible or folding member or strap B is lapped around the package to embrace it, as shown in Fig. 3, and the extensible connection is applied to connect the ends of such member or strap either by stretching an elastic band over the tongues at opposite ends of the strap or by binding or passing a cord, as shown in Fig. 9, over said tongues in the opposite ends of the strap. When the elastic band is used as a connection, it will, by its elasticity, serve to draw or contract the flexible member or strap B tightly around the package, and will confine the package of reduced size and until all the goods therein are sold with the same facility and tightness as it confined the package when entire.

In Fig. 4 I have represented the band as upon the package of reduced size after a portion of the goods have been sold therefrom, and it will be there seen that the ends of the flexible member or strap B are drawn somewhat nearer together than they are in Fig. 3, and the same also is true of Fig. 8, wherein I have shown the end portions of the band or strap B by dotted lines as drawn nearer together, so as to confine a package of less thickness.

When the goods are to be removed from the band, I may, instead of detaching the elastic connection from one end of the band or strap, simply stretch the band, as the elastic connection will permit, and withdraw the goods therefrom.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A band for packages consisting of two elements—namely, a flexible or folding member or strap adapted to embrace one side and the edges of the package, and an extensible connection between the ends of such member or strap and detachably secured to one or both ends thereof, substantially as herein described.

2. A band for packages consisting of a flexible or folding member or strap provided at one or both ends with integral tongues *b*, extending inward from the ends and formed by slotting the member or strap, as described, and an extensible connection engaging said tongue or tongues and serving to connect the two ends of said member or strap, substantially as herein set forth.

3. A band for packages consisting of the flexible or folding member or strap B, provided at the ends with tongues *b*, which extend inward from the ends of the strap and are formed by slotting the same, as described, and the endless elastic band C, connecting the ends of the flexible member or strap, substantially as herein set forth.

ISAAC E. PALMER.

Witnesses:

FREDK. HAYNES,  
CHANDLER HALL.