

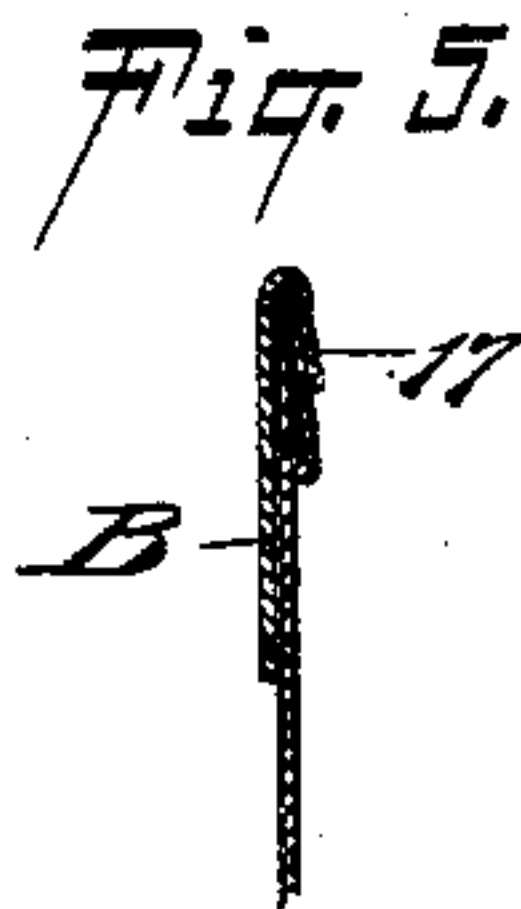
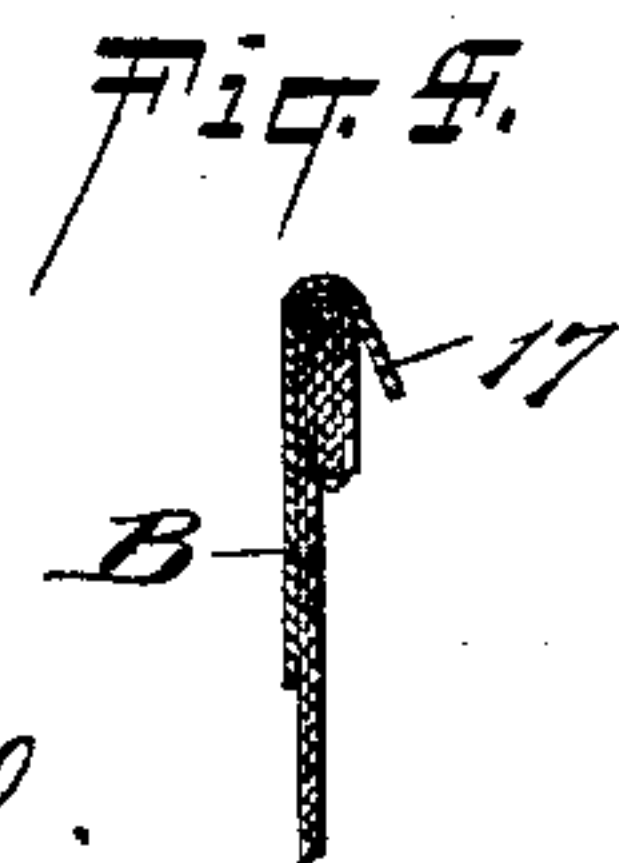
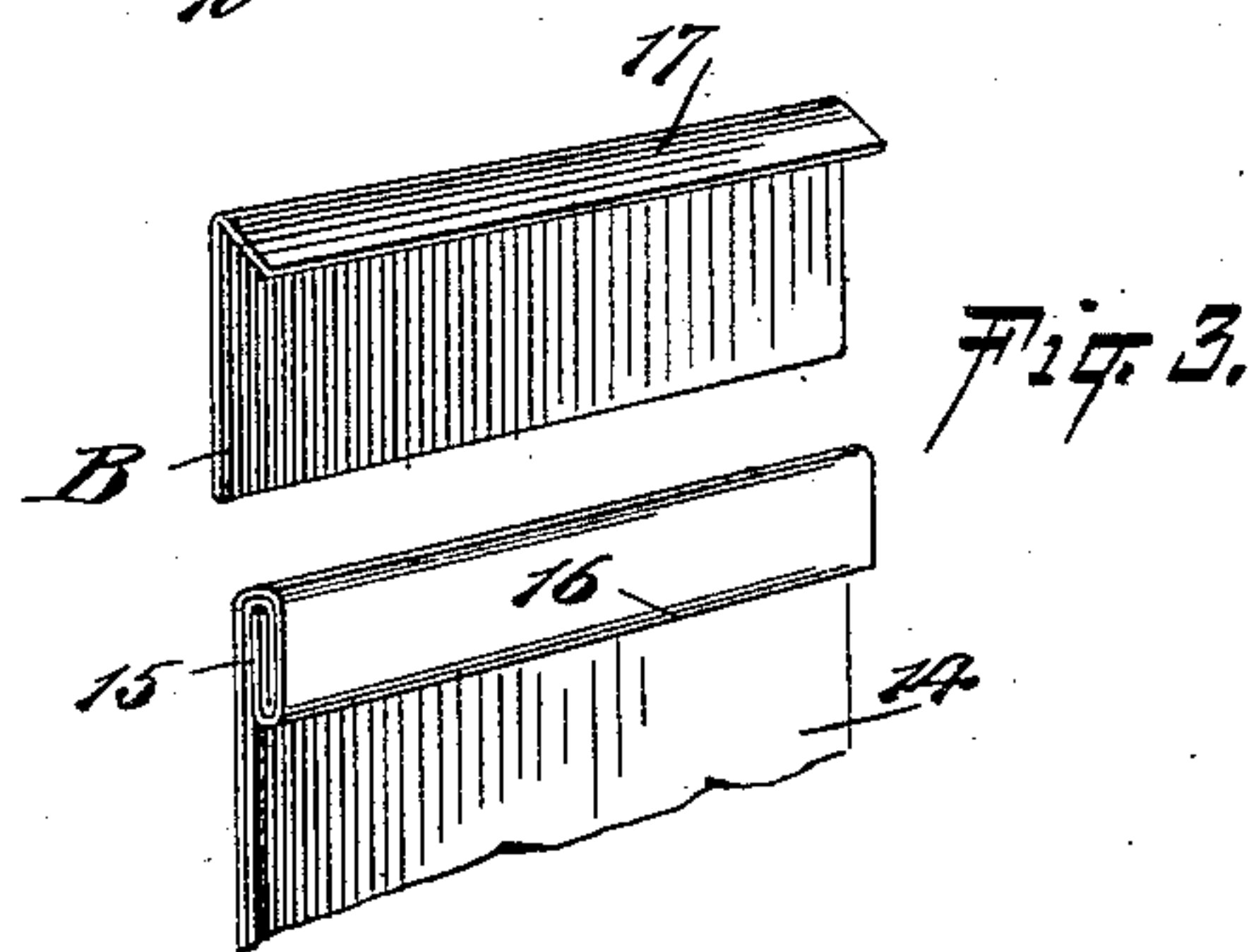
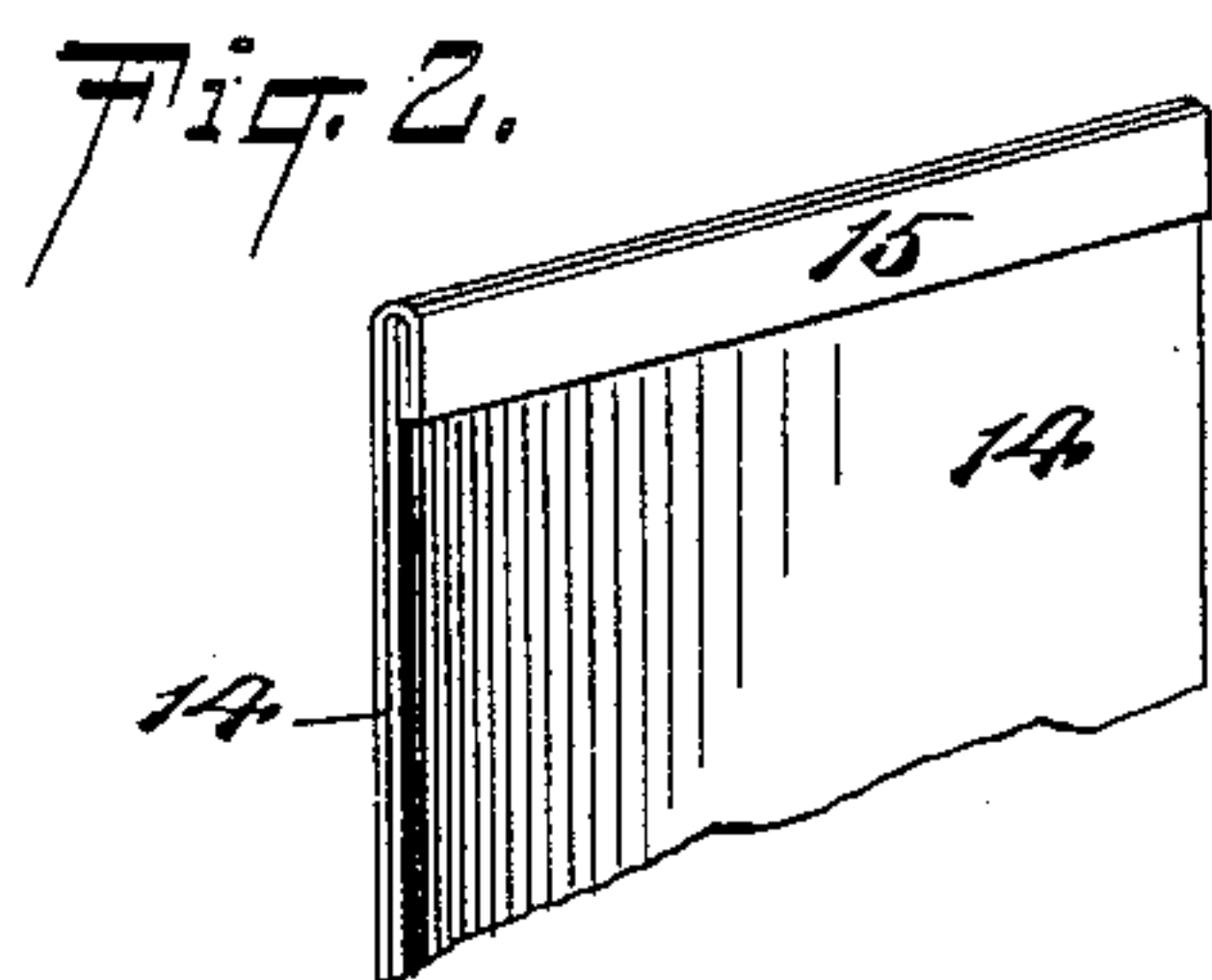
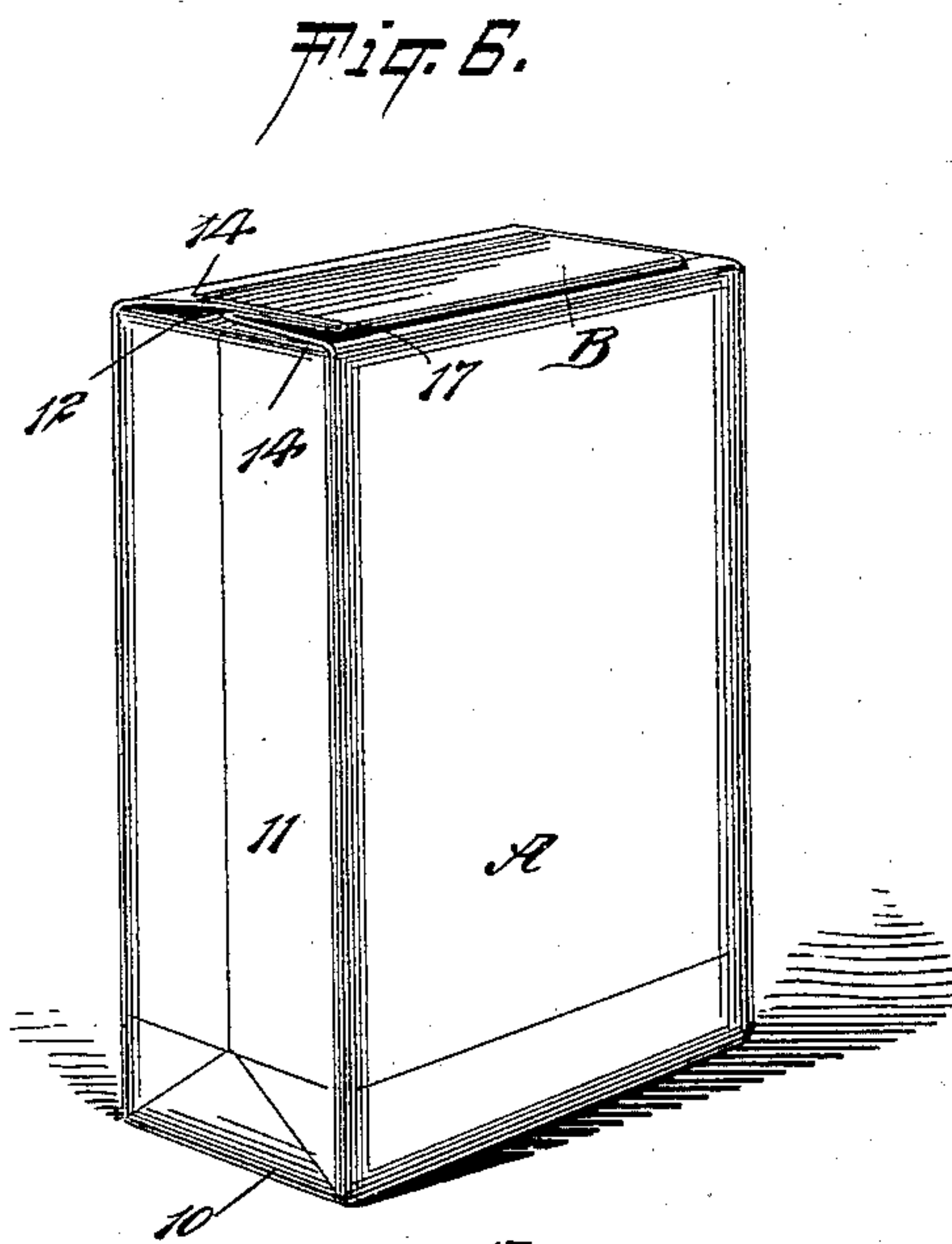
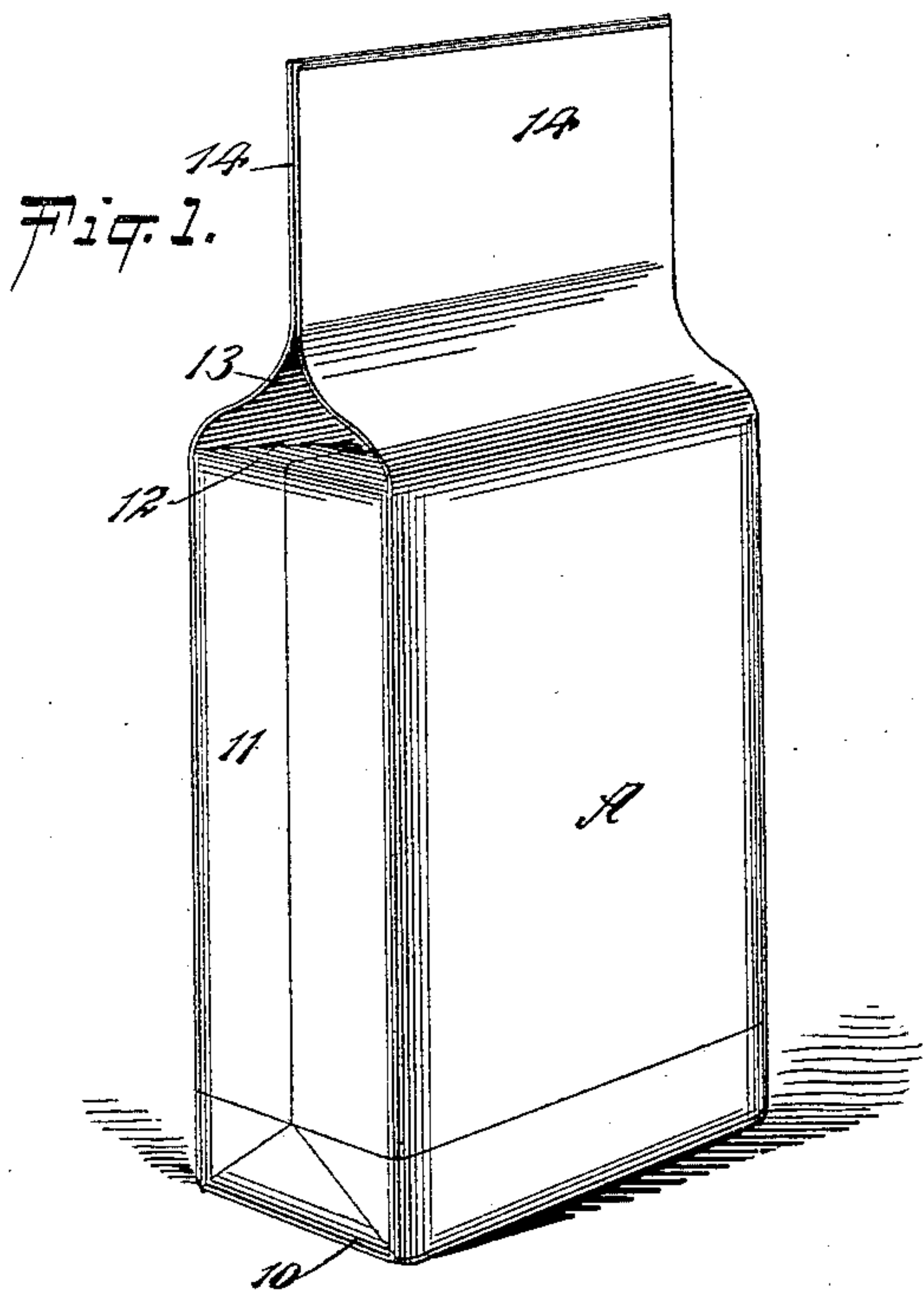
No. 633,007.

Patented Sept. 12, 1899.

H. M. HUMPHREY.  
DEVICE FOR SEALING PACKAGES.

(Application filed Feb. 4, 1899.)

(No Model.)



WITNESSES:

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# UNITED STATES PATENT OFFICE.

HENRY M. HUMPHREY, OF PLAINFIELD, NEW JERSEY.

## DEVICE FOR SEALING PACKAGES.

SPECIFICATION forming part of Letters Patent No. 633,007, dated September 12, 1899.

Application filed February 4, 1899. Serial No. 704,518. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY M. HUMPHREY, of Plainfield, in the county of Union and State of New Jersey, have invented a new and Improved Device for Sealing Packages, of which the following is a full, clear, and exact description.

The object of my invention is to provide a means whereby the mouths of packages made of paraffin or wax paper or a like material may be sealed air and water tight without using a cement or a cementing compound.

A further object of the invention is to obtain the above-named results in a simple, durable, and inexpensive manner.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of a package, the side folds having been given the package at the top above its contents. Fig. 2 is a detail perspective view of the top portion of a package, illustrating the manner in which the upper edges of the package are folded over upon themselves. Fig. 3 is a perspective view of the upper portion of the package, showing the said upper portion provided with a double fold, and this figure likewise represents a perspective view of a sealing-plate, said plate being shown in position to engage with the folded upper portion of the top of the package. Fig. 4 is a vertical section through the folded top portion of the package and the sealing-plate engaging with said folded top portion of the package. Fig. 5 is a view similar to Fig. 4, illustrating the sealing-plate as clamped upon the folds at the top of the package to effect the closure of the mouth of the package, and Fig. 6 is a perspective view of the package completely sealed.

A represents a package which is usually of a waterproof material, such as a paraffin or a wax paper. The bottom 10 of the package is permanently closed in any suitable or approved manner, and after the package has been filled that portion of the package above

the material at the ends 11 is folded inward and upward, producing horizontal portions 12 and vertical portions 13 above the contents of the package, and then the sides 14 are carried inward toward each other, forming flaps which lie normally in close engagement. When the mouth of the filled package is to be closed, the upper edges of the flaps 14 are bent upon themselves in a downward direction, forming a transverse fold 15. (Shown in Fig. 2.) When the first transverse fold 15 has been made in the flaps, said folded portion 15 is carried again downward, obtaining a second fold 16. Thus the upper edge of the package is closed by dual registering transverse folds. These folds are held in position by a sealing-plate B. This sealing-plate is preferably made of metal, although other material may be employed, and said sealing-plate at one of its longitudinal edges is provided with a flange 17. After the dual folds 15 and 16 have been made in the flaps, or a single fold is made at the mouth of the bag or package, the sealing-plate is brought in engagement with the upper folded edge of said flaps in such manner that the upper edge of the folded portion will be received between the body and flange of the sealing-plate, as shown in Fig. 4. Next the flange 17 of the sealing-plate is pressed or forced violently in engagement with the outer fold 16, the said pressure being produced by any suitable machine or in any desired manner. When the flange 17 of the sealing-plate is forced to a firm engagement with the outer fold, the outer and inner folds of the flaps 14 are maintained in close relation to each other and likewise in close relation to the sealing-plate and its flange, as shown in Fig. 5. After the sealing-plate has been applied said sealing-plate is carried horizontally down on the top of the package, as shown in Fig. 6, thus providing a water and air tight closure of the mouth of the package without the use of cement or material of like character. Furthermore, directions or instructions of any character may be produced upon the sealing-plate, and such instructions may be readily read while the package is still sealed.

A package sealed as above set forth can be opened only by cutting or tearing the mate-



rial of which the package is made unless the flange of the sealing-plate be pried from the fold of the package, and in this case it would be exceedingly difficult for a dishonest person to replace the sealing-plate without evidence that it had been removed or tampered with.

I desire it to be understood that the sealing-plate may be of any desired width—in fact, may be simply a strip of metal or like material.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. A package made of paraffin or wax paper and having its upper edges brought together and bent upon themselves to form a fold, and a sealing-plate provided with a flange between which and the body of the plate the said fold is received and upon which fold the plate is firmly and immovably clamped, whereby a package hermetically sealed will be produced and access to the package can only be had by cutting or tearing off

the material of which the package is made, substantially as described.

2. A package made of paraffin or wax paper and having flaps, the end flaps being folded inward upon the contents of the package, and the side flaps being carried inwardly and upwardly into contact with each other and having their upper edges bent upon themselves, to form a fold, and a rectangular sealing-plate adapted to receive directions or instructions concerning the contents of the package and having a flange along one longitudinal edge, between which flange and the body of the plate, the fold of the flaps is received and upon which fold the plate is firmly and immovably clamped, the flaps with the plate being then folded down on the end flaps with the body of the plate outward, substantially as described.

HENRY M. HUMPHREY.

Witnesses:

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