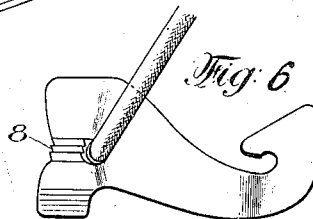
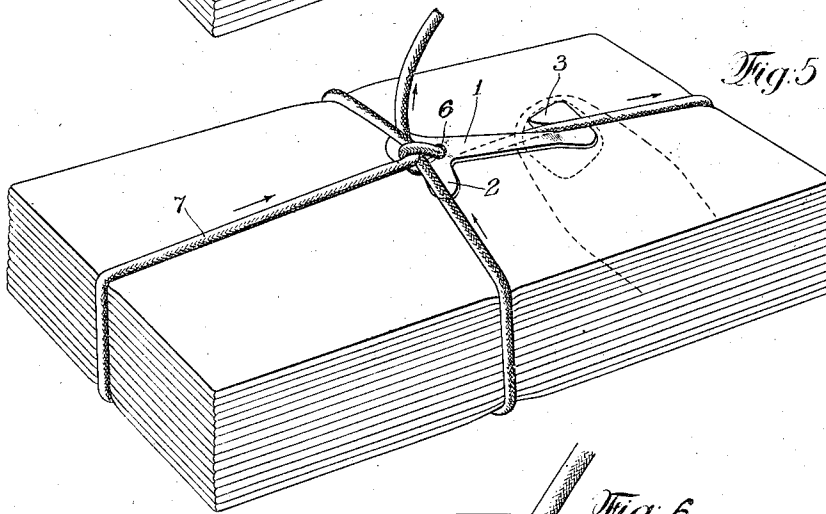
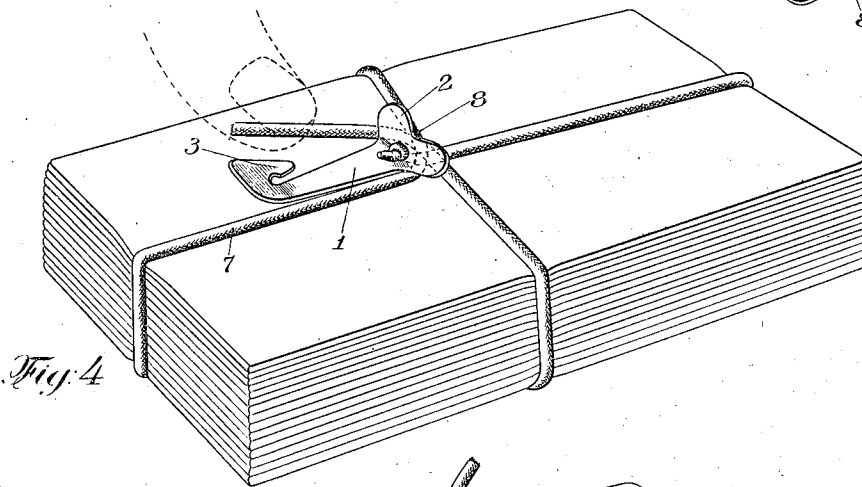
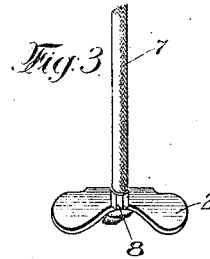
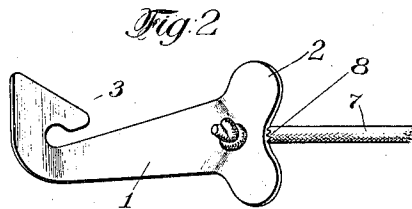
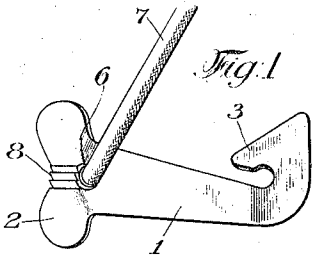


D. COMFORT.
PACKAGE TIE.

APPLICATION FILED OCT. 18, 1909.

1,066,082.

Patented July 1, 1913.



Witnesses:
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UNITED STATES PATENT OFFICE.

DAVID COMFORT, OF TIFTON, GEORGIA, ASSIGNOR TO COMFORT-BENNOB TIE COMPANY, OF TIFTON, GEORGIA, A CORPORATION OF GEORGIA.

PACKAGE-TIE.

1,066,082.

Specification of Letters Patent.

Patented July 1, 1913.

Application filed October 18, 1908. Serial No. 523,331.

To all whom it may concern:

Be it known that I, DAVID COMFORT, a citizen of the United States, and resident of Tifton, in the county of Tift and State of Georgia, have invented certain new and useful Improvements in Package-Ties, of which the following is a specification.

This invention relates to that class of package-ties in which a binder is provided with a lever-like locking member, by the manipulation of which the binder, when properly passed around the package, is brought under tension in a manner to exert an efficient tying action upon the package. Such devices, in different forms, are illustrated in Letters Patent of the United States Nos. 924,146 and 924,594, dated June 8, 1909, to which reference may be had. In the patented devices the locking member comprises a wire or sheet metal body provided at one end with a bowed head or bearing portion, at or adjacent to which one extremity of the binder is secured, and provided at the opposite end with a laterally-projecting notched portion. The head constitutes a cleat-like member about which the free end of the binder, when properly passed around the package, can be wound or turned, and the locking member then be bodily swung to a reverse position upon the package in a manner to exert a tightening strain upon the binder; and the said notched portion by its final engagement with the proximate stretch of the binder, when the locking member is thus inverted, affords an efficient means to secure the said member in locking relation with the binder and package.

The primary object of my present invention is to improve the construction and facilitate the use of package ties of the class mentioned, by providing the locking member thereof with a binder locking portion so located in respect to the head or bearing portion that when the binder is properly passed around the package and the lever swung to locking position, the free end of the binder is securely engaged and held by such portion.

Another object of my invention is so to form the notched binder-engaging portion of the locking member as to obviate all liability of such portion catching the cords of other devices, when not in use, as when the

ties are bunched together for packing and transportation.

With these objects in view my invention comprises certain novel features of construction which will be hereinafter particularly described and claimed.

In the drawings—Figure 1 is a plan, enlarged, of a package-tie embodying the binder-locking feature of my invention. Fig. 2 is a view of the underside of the device. Fig. 3 is an end view thereof. Fig. 4 is a perspective view illustrating the device as applied to a package, the parts being shown in the position they occupy immediately before the locking member is swung over to engage its notched end with the taut stretch of the binder. Fig. 5 is a similar view showing the tie as applied to the package and locked thereon. Fig. 6 is a plan of a modified form of the device.

The form of package tie illustrated in Figs. 1 to 5, inclusive, is, excepting as hereinafter particularly pointed out, similar in construction to that described in Patent No. 924,594, that is to say, the locking member is composed of a single piece of sheet metal struck up to form the body 1; the arched or bowed head 2 at one end thereof; the laterally-extending notched toe 3 at the opposite end, and the aperture 6 adjacent the head to receive the knotted end of the cord or binder 7.

In accordance with my invention, the upper side of the locking member, in the space between the orifice and the adjacent end of the device, is provided with a frictional surface, which, in the present instance, comprises a series of longitudinally disposed ribs or teeth 8 into engagement with which the free end of the binder is forced by the strain or pressure exerted thereupon by the overlying tightened portion of the binder when the said member is swung to locking position. These ribs or teeth are preferably beveled or inclined in cross-section similarly to ratchet teeth, their angularity being opposed to the direction of a releasing pull or strain on the engaged portion of the binder, so as to exert an efficient biting and holding action on the latter.

In Figs. 4 and 5, the package tie just described is illustrated as applied to a package, the former showing the parts in the

position they are caused to occupy just before the locking member is swung to locking position, and the latter showing them when such member is forcibly inverted and its 5 notched portion engaged with the proximate stretch of the binder. It will be observed that the free end of the binder, instead of being turned or wound around the head, as described in the aforesaid patents, preparatory to turning the member to locking position, is simply drawn under the head, and 10 that when the member is thereupon swung to locking position such end is forced into close engagement with the subjacent frictional surface as above indicated. If desired, the 15 free end of the binder may for greater security be wound or turned about the head, but under ordinary conditions the locking action of the frictional surface upon the 20 binder is sufficient for all practical purposes.

In Fig. 6 I have illustrated the device in semblance of a shoe for use, say, as an advertising medium when applied to a package 25 of shoes.

Various other forms of the device may be readily produced without departure from my invention.

I claim—

In a package tie, a lever-like locking member comprising a body provided with an end-bearing head and having an aperture to receive one end of the binder or cord, and a binder-engaging portion remote from the head, said head having a series of longitudinally-disposed ribs between said aperture 35 and the adjacent end of the head into engagement with which the free end of the binder is forced by the strain or pressure exerted thereupon by the overlying tightened portion of the binder when said member is swung to locking position. 40

Signed at Tifton in the county of Tift and State of Georgia this 8th day of October A. D. 1909.

DAVID COMFORT.

Witnesses:

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