

I. SCHEINMAN.
ATTACHMENT DEVICE.
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1,293,944.

Patented Feb. 11, 1919.

Fig. 1

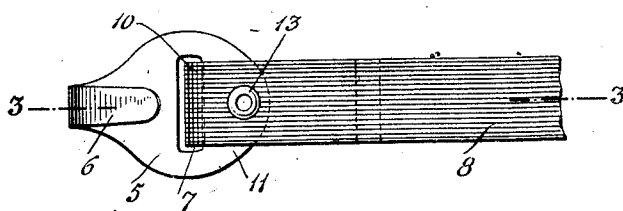


Fig. 2.

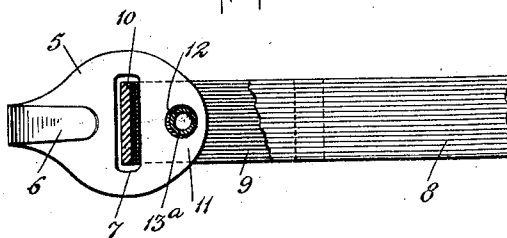
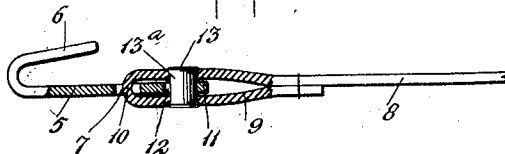


Fig. 3.



WITNESSES:

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ATTACHMENT DEVICE.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ISAAC SCHEINMAN, a citizen of the United States, and resident of the borough of Manhattan, city, county, and State of New York, have invented certain new and useful Improvements in Attachment Devices, of which the following is a specification.

My invention relates to that type of device commonly comprising some type of fastening device combined with elements of fabric, leather and the like of the kind usually termed tapes, straps, ribbons, tabs, etc. In such arrangements the fastening device is ordinarily connected with the tape, strap, ribbon, tab or the like by passing the latter through a slot or its equivalent formed in the device, so that when under tension the tape, strap, ribbon, tab or the like is subjected to considerable wear particularly at the bend where it passes through the slot or its equivalent. This is due to the fact that the strains arising during use cause the material of which the fastening device is constructed to exert a cutting or rubbing action on the tape, strap, ribbon, tab or the like at the bend thereof and thus soon destroy the connection between the two elements. The particular object of my improvement is to overcome the above mentioned defects by connecting the fastening device with the tape, strap, ribbon, tab or the like in such a manner that the latter will be substantially relieved from strain at the bend and so as to prevent the fastening device from exerting a cutting or rubbing action thereon at any time. My invention will be fully described hereinafter and the features of novelty will be pointed out in the appended claims.

In the accompanying drawing I have shown my improvement in connection with a hook and a tape it being understood that this is merely an example used only for the purpose of illustrating and describing the invention. In said drawings Figure 1 is a face view; Fig. 2 is a similar view partly in section and Fig. 3 is a sectional view on the line 3-3 of Fig. 1.

As shown in the illustrated example the fastening device comprises a body 5 of metal or other suitable material continued in one direction to form a hook 6 and provided with a transverse slot 7 through which the tape 8 extends. The latter after passing through said slot is folded back upon itself

as indicated at 9 and thus forms a bend 10 at the point where it extends through said slot 7. The body 5 of the fastening device is continued rearwardly of the slot 7 to form an extension 11 which in the illustrated example lies between the folds of the tape 8 and is preferably provided with an aperture 12 as shown in Figs. 2 and 3. A rivet or the like 13 projects through both folds of the tape 8 and through the said aperture 12 and is thus located at a point between the slot 7 and the free end of the extension 11. In some cases this rivet or the like 13 may be forced through the tape 8 and the extension 11 without first forming an aperture in the latter and may alone be relied upon to secure the tape against withdrawal from the slot 7. If desired however, the opposed folds of the tape 8 may in addition be secured together at a point beyond the fastening device 5 by sewing or otherwise.

It will be understood that, each time the tape 8 and fastening device 5 are placed under tension the central portion or stem 13 of the rivet 13 will engage the periphery of the aperture 12 or its equivalent and thus prevent the tape 8 from being brought into harmful or injurious contact with a wall of the slot 7. In other words the effects of the said tension or strain will be substantially taken up by the rivet 13 in cooperation with the extension 11 and will not be transmitted to the bend 10 of the tape 8 to any appreciable or harmful extent. The tape or its equivalent is thus at all times maintained against injurious contact with the periphery of the slot 7 with the result that the material of which the fastening device 5 or more specifically its extension 11 is constructed is prevented from exerting a cutting or rubbing action on the material of which the tape or its equivalent is constructed. Even the slight strains which may occur at the outer edge portions of the tape 8 at the bend 10 thereof with the rivet 13 arranged as illustrated is transmitted back to the latter and substantially taken up thereby. If by chance the tape or its equivalent should be worn through at the bend 10 the rivet 13 will still maintain the tape or its equivalent and the fastening device in operative connection with each other and will thus permit a continued use thereof for a considerable time before said connection is finally completely destroyed.

It will be understood that the hook 6

may be replaced by any other type of fastening or equivalent device and that the tape 8 is to be considered the equivalent of a strap, ribbon, tab or any other element capable of being attached to a fastening device or its equivalent substantially as described and illustrated. My improvement, as will be apparent is useful in many arts as for instance the garment art and may readily be adapted for many purposes.

Various changes in the specific form shown and described may be made within the scope of the claims without departing from the spirit of my invention.

I claim:

1. The combination of a fastening device having a slot, a tape passing through said slot and forming a loop, the bend of which is capable of playing loosely in said slot, and means cooperating with said fastening device to maintain said bend out of contact with the wall of said slot when the tape is under tension whereby said bend is relieved from tensional strain.

2. The combination of a fastening device having a slot, an integral extension project-

ing rearwardly from the slotted portion of said device and provided with an aperture, a tape passing through said slot and folded back upon itself to form a loop, the bend of which is located in said slot, and a rivet extending through the folds of said tape and through said aperture, the distance between the aperture and the slot being less than the distance between the rivet and the bend of the loop whereby the rivet under a tensional strain on the tape will engage the wall of the aperture before said bend engages the wall of the slot to relieve said bend from said tensional strain.

3. The combination of a tape folded upon itself to form a loop, a fastening device connected with said loop, and means passing transversely through said tape and fastening device and cooperating with the latter to maintain the bend of the loop out of contact with said fastening device when the tape is under tension whereby said bend is relieved of tensional strain.

In testimony whereof I have hereunto set my hand.

ISAAC SCHEINMAN.