

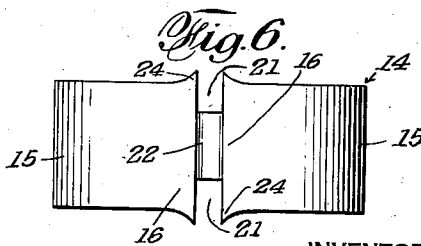
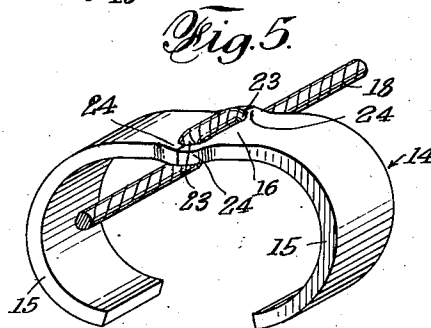
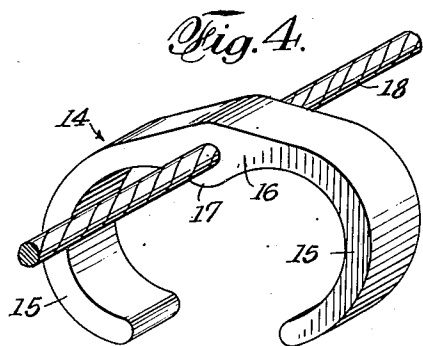
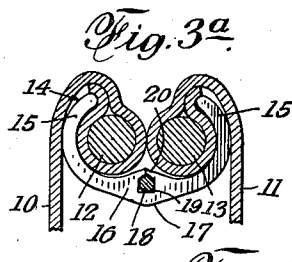
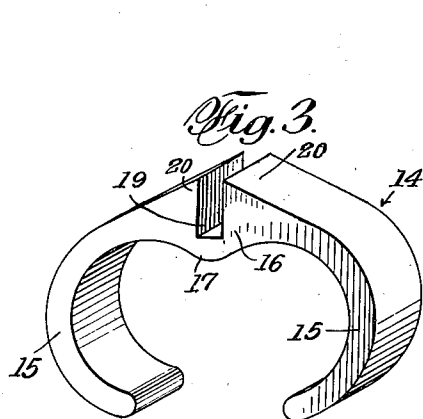
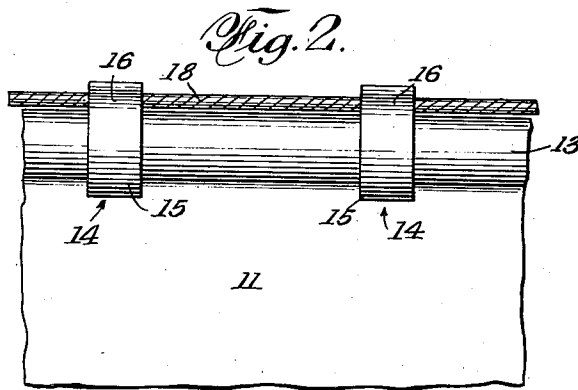
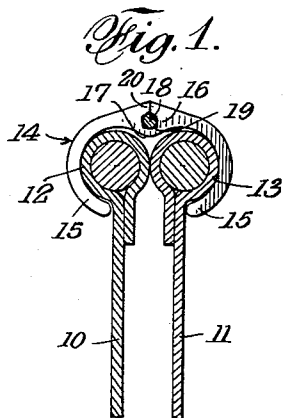
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CLIP FOR GLIDE FASTENERS

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CLIP FOR GLIDE FASTENERS

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1 Claim. (Cl. 24—207)

This invention relates to improvements in fasteners and more particularly to closure fasteners of the slide or glide type.

An object of the invention is to provide improved slide clips capable of inexpensive manufacture.

Another object is to provide improved and novel means for joining the clips to a flexible stringer member.

A further object is to provide clips formed of plastics for both ease of manufacture and attractive appearance.

The foregoing objects and other objects, features, and advantages of the invention are set forth or will become evident from the following detailed specification which describes the exemplary forms of the invention illustrated in the accompanying drawing, in which:

Fig. 1 is a cross-sectional broken view of a bag or pouch incorporating a preferred form of the invention.

Fig. 2 is a fragmentary side view thereof.

Fig. 3 is a perspective view of a clip such as shown in Figs. 1 and 2.

Fig. 3a is a view similar to Fig. 1, showing another form of clip used on a pouch having inwardly directed beads.

Figs. 4 and 5 are similar views illustrating alternate forms of clips.

Fig. 6 is a top plan view of the clip shown in Fig. 5.

In that form of the invention which is illustrated in Figs. 1, 2, and 3, the walls of a bag or pouch as shown at 10 and 11, said walls terminating in beaded edges 12 and 13 respectively. These edges define the bag or pouch opening and the invention contemplates the provision of means for maintaining said edges in touching relation to close the bag or pouch.

As particularly shown in Fig. 3, the invention contemplates the provision of a plurality of clips 14 preferably formed of plastics. Each clip is preferably C-shaped with arcuate portions 15 engaging the outer parts of the beads 12 and 13 and an intermediate connecting portion 16 formed with a bulge 17 disposed between the upper parts of said beads.

A plurality of clips 15 are provided in spaced relation along the length of the pouch and thus of the beads 12 and 13. The clips are mounted upon a flexible stringer member 18 in uniformly spaced relation in a novel manner which includes providing a recess 19 in the connecting portion 16 of each clip, positioning the stringer 18 in said recesses, and forming a cover or bridge over the

stringer comprising portions 20 of said connecting portion 16. For this purpose, plastics are best suitable inasmuch as the portions 20 may be formed as wedge-shaped parts flanking the recess 19 and readily capable of being pressed towards each other into position in overstanding relation to the stringer and in gripping engagement therewith, as best seen in Fig. 1.

Thus the stringer 18 is firmly imbedded in the clip and not visible except between clips.

The clips may be formed reversely of that described. The bulge 17 may be provided at the outside of the connecting portion 16 and the recess 19 formed in the inner side thereof. Either of these forms may be used on a pouch in which the beads 12 and 13 are inwardly directed as shown in Fig. 3a wherein the mentioned alternate form of clip is illustrated.

It may be feasible to extrude the clips as they are formed with the stringer already imbedded therein. This is shown in Fig. 4 and represents an attractive, inexpensive clip structure for the purpose intended.

Another of plastics clip structure is shown in Figs. 5 and 6 wherein the connecting portion 16 of the clip is provided with opposed notches 21 at the front and back of the clip. The stringer 18 is placed upon the narrow connecting portion 22 and bent downward as at 23 so as to be disposed in the notches 21. Said portion 22 is preferably recessed as shown in Fig. 6 to form a seat for the stringer which is thus partly embedded in the clip. The corner portions 24 of the clip at the notches which are also formed as wedges, are then pressed inwardly towards each other as seen in Fig. 5, to engage and grip the downwardly bent portions 23 of the stringer. Thus the clip is effectively held on said stringer in non-displaceable relation.

While the invention is of simple nature, it is capable of being practised in various ways not herein disclosed, without departing from the true spirit and scope of the appended claim. Hence, this disclosure should not be considered as unduly limiting the breadth of said claim.

What I claim as new and desire to secure by Letters Patent, is:

A plastic clip for connection with a stringer of a pouch or like article comprising a body having an internal periphery composed of two opposed curved portions connected by a reversely curved portion and having an outer periphery composed of two opposed curved portions substantially parallel to the opposed curved portions on the internal periphery, and tangential angled portions

opposed directionally with respect to the mentioned reversely curved portion; the portion of the clip defined by the mentioned reversely curved portion and the mentioned angled tangential portions having a transverse slot defined by 5 opposed parallel walls and receptive of said stringer, the material of the clip in the region between

the mentioned angled portions and the reversely curved portion being deformable to encompass and bind that portion of the stringer disposed within the slot against the mentioned walls and against the bottom of said slot.

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