

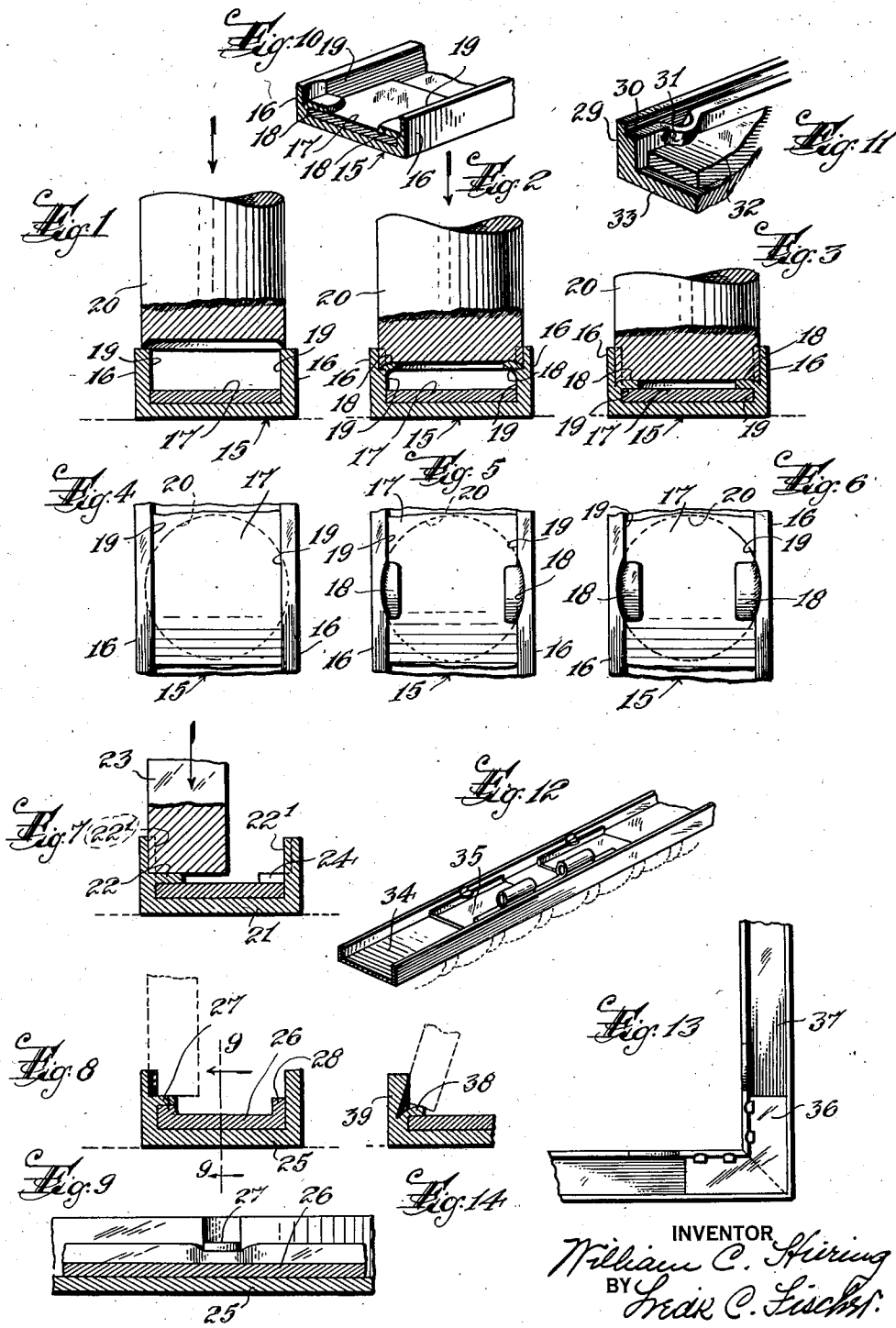
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BAG FRAME MEMBER AND METHOD OF SECURING ELEMENTS THERETO

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BAG FRAME MEMBER AND METHOD OF
SECURING ELEMENTS THERETO

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This invention relates to metal frames for hand bags, and more particularly to means for attaching bag fastening devices, corner pieces, and the like to certain frames.

Hand bag frames are generally made in a U-shape, the corners of the frame being mitered, and it is necessary to attach corner pieces to the frame to strengthen the corners. Heretofore, such corner pieces have been attached by means of solder, rivets, or studs passing through the frame member. Such attaching expedients are objectionable in that the solder does not often hold, while the riveting is inconvenient considering the small space in which there is to work, and also tends to mar the outward appearance of the frame. Similarly, in attaching bag fastening devices to frame members, the use of solder, rivets, studs or the like is objectionable, especially since such bag fastening devices comprise relatively small parts and are positioned within the channels of a frame member which is quite narrow.

It is an object of this invention to provide a convenient and simple method of attaching small parts to a bag frame, without necessitating the use of solder, rivets, studs or the like.

A further object is the provision of a method of attaching parts to bag frame members, which comprises striking out a portion of one surface of a wall of the frame member to form a tab to hold a part in position, without necessitating piercing the wall of the frame member, and consequently in no way affecting the appearance of the frame member. A further object of my invention is the provision of a method of securing an element to channel bag frame members, comprising positioning said element in the channelled bag frame and parallel with the bottom wall thereof, cutting a tab from an inner surface of a side wall of said channel frame member, and then bending the tab over the element, and to a position parallel with the element to secure the same between the bottom wall of the channel and the tab.

These and other advantageous objects, which will later appear, are accomplished by the simple and practical construction and arrangement of parts hereinafter described and exhibited in the accompanying drawing, forming part hereof, and in which:

Figs. 1, 2 and 3 are views showing steps in the process of fastening an element to a frame member,

Figs. 4, 5 and 6 are plan views of the structure shown in Figs. 1, 2 and 3,

Fig. 7 is a sectional view of a modified form,

Fig. 8 is a sectional view of a further modified form,

Fig. 9 is a sectional view taken on line 9—9 of Fig. 8,

Fig. 10 is a perspective view of the form shown in Figs. 1 to 6,

Fig. 11 is a perspective view of a modified form, Fig. 12 and 13 are perspective views showing applications of my method, and

Fig. 14 is a sectional view of a modified form of the invention.

Referring to the drawing, in Fig. 1 is shown a section of a bag frame member 15, having side walls 16, to which is to be attached an element 17. The element 17 is secured to the frame member by tabs 18, see Fig. 3, which are cut out of the inner surfaces 19 of the side walls as shown in Figs. 2 and 10, by a punch 20.

By means of the method of securing elements to frame members as above described, it is not necessary to use solder, or to provide the element with tabs to project through suitable apertures in the frame member as has heretofore been necessary. Also, the outer surfaces of the side walls are not marred in any manner.

In Figs. 1 to 6, the tabs are cut from the side walls simultaneously by a single punch 20. In the form shown in Fig. 7, where a wide frame member 21 is used, a tab 22 is cut from the inner surface 22' of the side wall by a punch 23, and then the same punch may be used to cut a similar tab 24 from the other side wall.

In Figs. 8 and 9, is shown a frame member 25 to which is secured an element 26 by means of tabs 27 cut from the inner surfaces of the side walls of the frame member. The element 26 has side flanges 28 into which the tabs are forced as shown in Fig. 9.

In Fig. 11 is shown a further modified form in which a side wall 29 has a flange 30 from which a boss 31 is forced to securely hold an element 32 to a frame member 33. In this form, the boss 31 presents an unusually strong construction.

In Fig. 12 is shown a frame member 34 to which is secured an element 35 of a fastening device by means of my method.

In Fig. 13 is shown the manner in which my method is used to secure a corner piece 36 to hold a mitered corner of a frame member 37.

In some cases, it is desired to preserve intact the upper portion of the inner surface of a side wall. In such cases, as shown in the modified form in Fig. 14, a punch is used to cut a tab 38 at an angle from the side wall 39.

From the above description it will be seen that

I have presented a simple and effective method for conveniently and positively securing elements to channelled bag frame members without resorting to the use of solder or tabs on the elements projecting through apertures in the frame member. The use of solder is very unsatisfactory, as the solder becomes loosened when the frame members are placed in a plating bath; and also frequent use causes the solder to break and ineffectively hold the elements in place. Tabs projecting through apertures in the frame members are unsatisfactory in that such tabs mar the outward appearance of the frame members, and also the positioning and upsetting of such tabs is inconvenient and requires an unwarranted amount of labor.

The foregoing disclosure is to be regarded as descriptive and illustrative only, and not as restrictive or limitative of the invention, of which obviously an embodiment may be constructed including many modifications, without departing from the general scope herein indicated and denoted in the appended claims.

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

1. The method of securing an element to channel bag frame members, comprising positioning said element in the channeled bag frame and parallel with the bottom wall thereof, cutting a tab from an inner surface of a side wall of said channel frame member, and then bending the tab over the element and to a position parallel with the element to secure the same between the bottom wall of the channel and the tab.

2. The method of securing an element to a bag frame member of the channel type, comprising simultaneously cutting tabs by means of a punch from the inner surfaces of the side walls of the frame member without in any way disturbing the outer surfaces of said side walls, and then bending said tabs over the element and to a position parallel with the element to displaceably secure the same between the bottom wall of the channel and the tab.

3. The method of securing an element to a bag frame member of the channel type, comprising positioning the element in the bag frame channel, upsetting a portion of the inner surface of said wall of a frame member over the element to provide a boss to securely hold the element between the boss and the bottom wall of the frame member.

4. The method of securing a flanged element to a bag frame member of the channel type, comprising cutting a tab from the inner surface of a side wall of said frame member, and then depressing said tab into a flange of said element, to form an indentation in said flange to securely hold said element against the bottom wall in the frame member.

5. A bag frame member of the channel type having a bottom wall and angularly directed side walls, an element positioned in said frame member, and a tab cut from the inner surface of the said wall of said frame member and bent over the said element and parallel with the bottom wall of the frame member to securely hold the element against the bottom of the frame member.

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