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C. J. HAZELTON

HOSE SUPPORTER

Filed Feb. 26, 1926

Fig. 1,

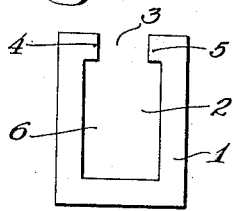


Fig. 2,

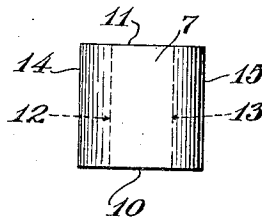


Fig. 3,

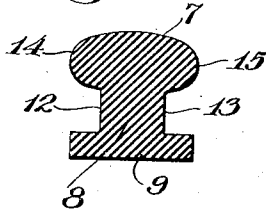


Fig. 5,

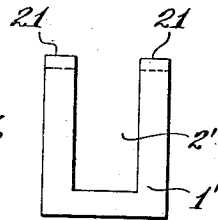
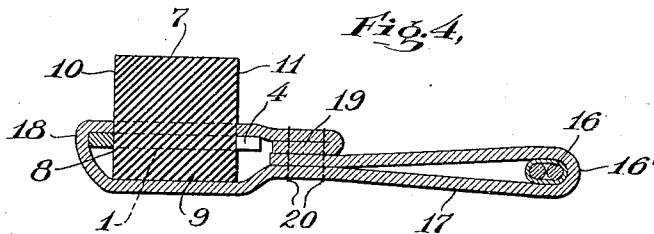


Fig. 4,



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HOSE SUPPORTER.

Original application filed March 18, 1925, Serial No. 16 287. Divided and this application filed February 26, 1926. Serial No. 90,745.

My invention relates to an improvement in hose supporters and the like and is particularly directed to the attaching of the hose supporter button to its pendant.

5 The usual manner of attaching these buttons to the pendant is to rivet or otherwise permanently attach the button to a metal base plate, this base plate being provided with slots or openings through which the non-elastic of the pendant is threaded. 10 The ends of the non-elastic after being threaded through the slot at the upper part of the supporter holding loop are sewn together so as to provide a loop or pendant 15 suspended from the holding loop and carrying at its lower end a button attached to a base plate.

20 An object of the present invention is the provision of an improved structure in which the use of rivets for attaching the button to its base plate is dispensed with, thereby reducing the cost of manufacture, facilitating assembly and eliminating the danger of the button tearing away from the base plate, a 25 trouble which has been experienced with prior structures.

In the accompanying drawings I have illustrated an embodiment of my invention—

30 Figure 1 showing the improved base plate of the present invention;

Figs. 2 and 3 showing the button employed with the base plate in plan and sectional elevation respectively;

35 Fig. 4 showing the button and base plate attached to a pendant; and

Fig. 5 showing a modified form of base plate.

40 Referring to the drawings in detail, 1 designates my improved base plate, this plate being substantially rectangular in plan and made of metal or other suitable material. This improved base plate is provided with an open ended slot designated 2, extending to the periphery or edge of the plate 45 1. The entrance 3 of this slot is slightly contracted with respect to the remainder of the slot by providing or forming the plate 1 with inwardly extending projections 4 and 5 so that the entrance 3 to the slot 2 is less 50 in width than the main portion 6 of the slot.

The button employed with this base plate may be of the form illustrated and comprises a head 7, a shank 8 and a base 9.

It is understood that this button is constructed of rubber or other suitable material. 55 The button in plan has been illustrated as substantially rectangular. The front and rear ends of the button, which for clarity I will designate 10 and 11, respectively, are square or plane, that is to say, the front and rear faces of the shank 8 are flush with the front and rear faces 10 and 11, respectively, 60 of the button head. The sides of the shank designated 12 and 13 underlie the sides 14 and 15 of the button head. This provides a button the length of which is substantially equal to the length of the slot 2 from the closed end thereof to the inwardly extending portions 4 and 5 adjacent the open end 65 thereof, the shank 8 being of a width substantially equal to the main portion of the slot 2. In other words, when the button and base plate are assembled the shank 8 will substantially fill the main portion of the slot 2, and inasmuch as the shank and the 70 slot 2 are non-circular, the shank and hence the button will be held against turning in the slot. The base 9 extends beyond the sides 12 and 13 of the shank and the space between the upper face of the base 9 and 80 the under face of the head is sufficient to receive the base plate 1, so that the base of the button, at least the sides thereof which extend beyond the side of the shank 8, will underlie the base plate while the overhang 85 on the head of the button, that is to say, that portion of the button head which overhangs the sides of the shank 8, will overlie the base plate.

90 In other words, the removal of the button from the base plate by pulling the button through the opening or slot 2 in the base plate is prevented by the button base 9, while removal of the button from the base plate in the opposite direction is prevented by the 95 sides of the button head. Removal of the button from the base plate by pushing the button lengthwise of the shank out of the slot is restrained by the contracted open end of the slot, which is less in width than the 100 normal width of the button shank.

105 In assembling my improved structure, the button is forced into the slot 2 past the inwardly extending portions 4 and 5, the button shank contracting sufficiently for this purpose. As previously explained, the

shank of the button will then substantially fill the slot 2 from end to end and from side to side, the base plate 1 lying between the base 9 and head 7 of the button. The non-elastic of the supporter pendant is passed through the supporter loop 16 and folded back upon itself, as indicated at 16', this end being brought back adjacent the button. The other end 17 of the non-elastic of the pendant is brought around the bottom of the button up over the outward end of the base plate 1, as indicated at 18, and then slipped over the head 7 of the button, the non-elastic being pierced for this purpose. This end of the non-elastic is then folded under, as indicated at 19, and the two ends of the non-elastic stitched to each other, as indicated at 20. The button is thus attached to the base plate, and the base of the button as well as the base plate are enclosed by the non-elastic so as to thereby suspend the button and its base plate.

It will be seen from the foregoing that I have provided an exceedingly simple, inexpensive construction for use in hose supporters in which, while the button is properly attached to the base plate, devices such as rivets and the like, which are usually employed in this art, are dispensed with. This enables the buttons to be assembled very rapidly and inasmuch as the ends of the buttons are square, they may be made in continuous lengths and cut off, and inasmuch as the base plate itself is exceedingly simple in construction, the cost of manufacture of my improved structure has been reduced practically to the minimum.

In Fig. 5 I have illustrated a modified form of base plate, which I will designate 1', this plate being provided with a non-circular open-ended slot 2' extending to the edge or periphery of the plate. At the entrance end of this open-ended slot I provide lugs 21, adapted to be bent over the base of the button after the latter has been inserted in the slot. The same type of button is employed with this plate as is used in connection with the base plate of Fig. 1, and the base plate and button may be attached to the pendant in the same manner as illustrated in Fig. 4.

While I have shown a specific form of button well adapted for my purpose, it is to be understood that other forms may be used, if desired, within the scope of my invention.

This application is a division of my co-pending application Serial No. 16,287 filed March 18, 1925, on an improvement in hose supporters.

Having thus described my invention, what I claim and desire to secure by Letters Patent of the United States is:

1. In a hose supporter the combination of a base plate, a button attached to said base plate and comprising a shank, said base

plate being provided with a non-circular open-ended slot extending to the periphery of the plate for receiving the shank of said button, the open end of said slot being contracted with respect to the remainder of the slot to a width less than the normal width of the button shank.

2. In a hose supporter the combination of a base plate, a button attached to said base plate, said base plate being provided with a non-circular button receiving opening or slot extending to the periphery of the plate for receiving the shank of the button, said base plate at the open end of said slot having integral portions extending inwardly toward the slot to narrow the slot at the open end thereof to prevent movement of the button shank out of the slot in a direction lengthwise of the slot.

3. In a hose supporter, a base plate, said base plate being provided with a non-circular open-ended slot, the open end of which extends to the periphery of the base plate, said base plate adjacent the open end of said slot being provided with portions extending inwardly toward each other to contract the open end of the said slot, a button carried by said base plate and comprising a head, a shank and a base, the front and rear ends of the head being flush with the front and rear ends of said shank, the sides of the base and of the head extending beyond the sides of the shank of the button, said shank being received by the main portion of said slot, the base of the button underlying the base plate at each side of the slot and the head of the button overlying each side of the slot.

4. In a hose supporter the combination of a base plate, said base plate being provided with a non-circular open-ended slot extending to the edge or periphery of the plate, said base plate adjacent the open end of said slot being provided with inwardly extending portions to narrow the slot at the open end thereof, a button carried by said base plate, said button comprising a head, shank and a base, the shank being non-circular and substantially fitting the main portion of said open-ended slot, the base of said button underlying said base plate, the head of said button overlying said base plate and a pendant one end of which passes beneath the base of said button and is folded over so as to overlie the base plate, said pendant being pierced to permit of the passage of the head of the button therethrough, the two ends of the pendant being stitched to each other at the rear of the button to thereby attach the pendant, the base plate and the button to each other.

5. In a hose supporter the combination of a button, a base plate carrying the said button, said base plate being provided with a non-circular open-ended slot extending to the periphery of the plate, the open end of

which is contracted with respect to the remainder of the slot.

5 6. In a hose supporter the combination of a button, a base plate carrying said button and having a longitudinally extending non-circular button receiving open-ended slot therein extending to the periphery of the

plate, said base plate at the open end of the slot being provided with inwardly extending portions to narrow the slot at the open end thereof. 10

This specification signed this 23rd day of February, 1926.

CARL J. HAZELTON.