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Kreitzburg

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[54] **CLOTH BOLT HOLDER**

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[52] **U.S. Cl.** **211/44**, 211/181, 211/184, 248/302

[51] **Int. Cl.** **A47f 7/18**

[58] **Field of Search** 211/43, 44, 106, 211/119, 112, 181, 184; 248/175, 302, 303, 214, 215

[56] **References Cited**

UNITED STATES PATENTS

3,305,102	2/1967	Saphirstein	211/184
2,188,612	1/1940	Owen et al	248/303
2,877,971	3/1959	Goldstein	248/302
3,272,345	9/1966	Wallace	211/44
1,967,427	7/1934	Puckett	248/302

FOREIGN PATENTS OR APPLICATIONS

1,033,338	7/1953	France	248/302

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[57] **ABSTRACT**

A holder for holding a bolt of cloth in an upright display position on a horizontal support, the holder being formed of a single length of relatively stiff, resilient wire bent on itself to form an acute angle whereby the sides of the angle constitute a pair of legs which lie in the same plane and which are adapted to be inserted endwise into a bolt of cloth between the layers of cloth and the mandrel for supporting the bolt. These legs have means integrally formed on their free ends engageable with the support for holding the holder on the support, for preventing tipping of the holder laterally with respect to the plane of the legs, for permitting angling of the holder relative to the support, and for permitting sliding movement of the holder lengthwise of the support.

4 Claims, 3 Drawing Figures

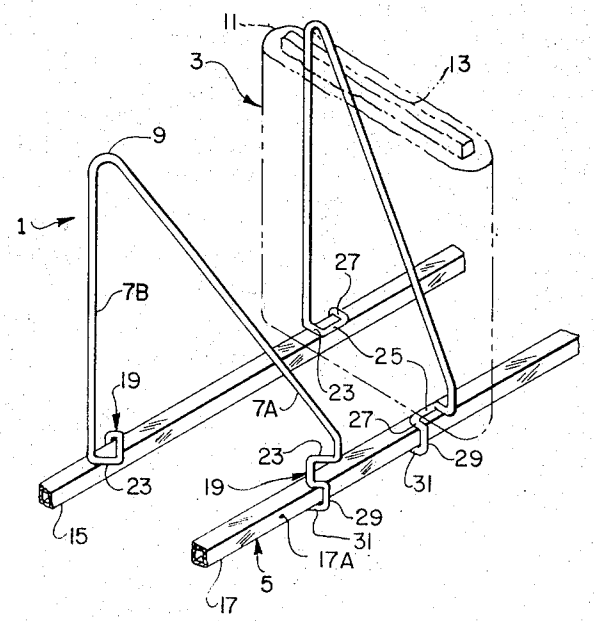


FIG. 1

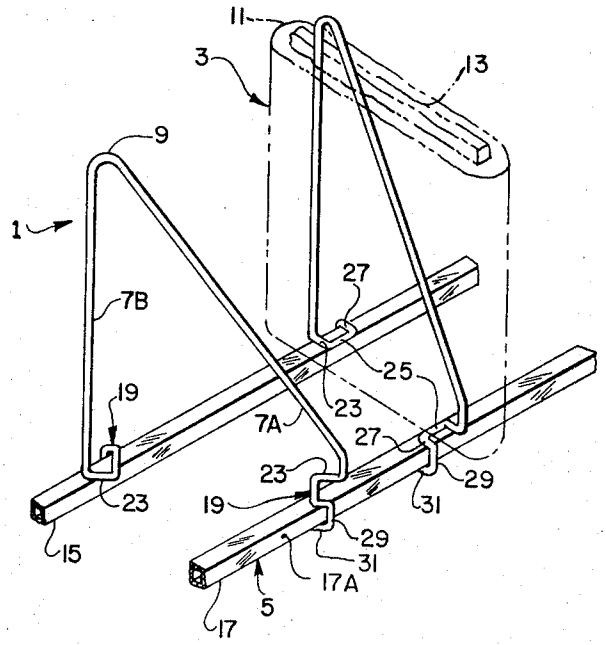


FIG. 2

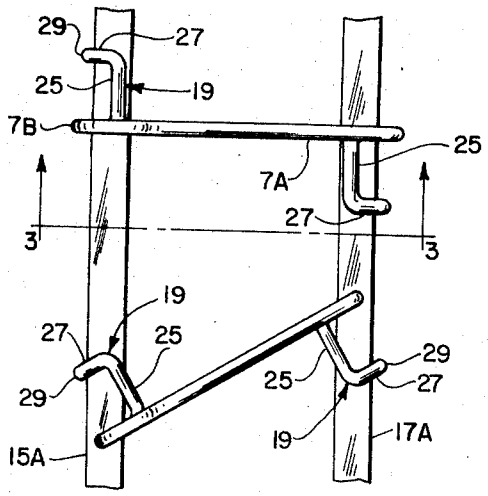
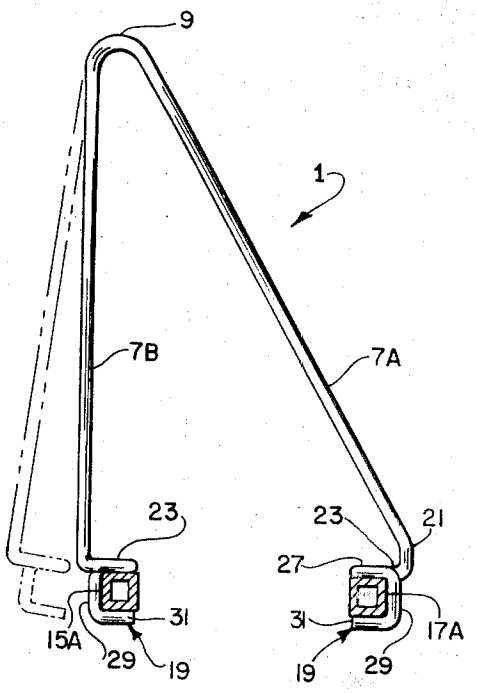


FIG. 3



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CLOTH BOLT HOLDER

BACKGROUND OF THE INVENTION

This invention relates to a holder for a bolt of cloth, and more particularly to such a holder for holding a bolt of cloth in an upright display position.

The invention involves an improvement on the bolt holder shown in the coassigned U.S. Pat. No. 3,272,345 which has a pair of legs formed of a single piece of wire, with an inwardly facing, channel-shaped foot welded to the lower end of each leg, these feet being slidably engageable with the front and back edges of a support (or shelf) for holding the bolt holder in an upright position in which the plane of the legs is at right angles to the edges of the support. Bolts of cloth are held in an upright position by these bolt holders by inserting the wire legs into the end of a bolt of cloth between the layers of cloth and the mandrel around which the cloth is wrapped. Yard goods retailers, however, may wish to display the bolts of cloth in different positions to more readily attract a customer's attention. Although the channel-shaped feet permit the bolt holders to be moved lengthwise along the support to vary the spacing between the various bolt holders thereon, they do not permit the plane of the legs to assume any position other than one generally at right angles to the edges of the support, thus limiting the mode of display. Furthermore, the channel-shaped feet require a separate and costly manufacturing operation (i.e., welding) to secure them to the legs.

SUMMARY OF THE INVENTION

Among the several objects of this invention may be noted the provision of a formed wire bolt holder such as above described which has mounting feet integrally formed on the lower ends of its legs; the provision of such a bolt holder which is slidably engageable with two oppositely facing edges of support means; the provision of such a bolt holder which may be positioned diagonally with respect to the support means as well as perpendicularly to the support means for varying the vertical display position of the bolt of cloth held thereon; and the provision of such a bolt holder which is of one-piece construction and of low cost.

In general, a bolt holder of this invention for holding bolts of cloth in an upright display position on horizontal support means is formed of a single single length of relatively stiff, resilient wire bent on itself to have two legs at an acute angle to one another substantially in the same plane, the legs constituting the sides of the angle, and having a bent portion interconnecting the two legs constituting the vertex of the angle. Each leg has a foot integrally formed at its lower end from the length of wire, each foot being slidably engageable with one of two oppositely facing edges of the support mans for holding the bolt holder on the support means in a substantially vertical plane, for preventing tipping of the bolt holder laterally with respect to the plane of the legs, and for permitting angling of the bolt holder to change the orientation of the plane of the legs relative to the support means. Each of these feet comprises a first portion of the wire bent to extend out from the plane of the legs and engageable with the upper surface of the support means, a second portion of the wire bent to extend from the outer end of said first portion to the edge of the support means, a third portion of the wire bent to extend down from the outer end of the second portion and engageable with one of the oppositely facing edges of the support means, and a lower portion of the wire extending back from the lower end of the third portion to extend back under and to be engageable with the lower surface of the support means. Other objects and features of this invention will be in part apparent and in part pointed out hereinafter.

BRIEF DESCRIPTION OF THE DRAWINGS

FIG. **1** is a perspective of two bolt holders of this invention mounted on a horizontal support with one bolt holder being diagonally oriented relative to the edges of the support and with the other bolt holder being oriented perpendicularly to the edges of the support;

FIG. **2** is a plan of FIG. **1**; and

FIG. **3** is a vertical section on line **3—3** of FIG. **2** with one of the bolt holder's legs (shown in phantom) sprung out away from its adjacent support edge for removal of the bolt holder from the support.

Corresponding reference characters indicate corresponding parts throughout the several views of the drawings.

DESCRIPTION OF THE PREFERRED EMBODIMENT

Referring to the drawings, a holder of this invention is indicated in its entirety at **1** and shown in position for holding a bolt of cloth **3** (shown in phantom) in an upright display position on a horizontal support or shelf generally indicated at **5**. The bolt holder **1** is formed of a single, continuous length of relatively stiff, resilient wire bent on itself to have two legs as indicated at **7A** and **7B** at an acute angle to one another substantially in the same plane. The legs constitute the sides of the angle, and a rounded bent portion **9** of the wire interconnecting the two legs constitutes the vertex of the angle. For convenience, the legs **7A**, **7B** may be respectively referred to as the back leg and the front leg. As shown in FIG. **2**, the front and back legs lie substantially in the same vertical plane, and as shown in FIG. **3** the back leg **7A** is inclined upwardly and toward the front from support **5** at an angle of about 55° with respect to the horizontal and the front leg **7B** is generally vertical (as in U.S. Pat. No. 3,272,345). Generally, a bolt of cloth **3** is held in an upright display position by inserting the legs **7A**, **7B** between the layers of cloth **11** and the mandrel **13** about which the cloth is wrapped.

The support means **5** is shown to comprise two parallel horizontal bars **15** and **17** of square cross section, but it will be understood that the support or shelf could be a solid shelf, for example. Each of legs **7A**, **7B** has a foot, generally indicated at **19**, formed at its free end from the above-mentioned length of wire, these feet being slidably engageable with the oppositely facing edge portions **15A**, **17A** of the bars **15** and **17** for holding the bolt holder **1** on the support, for preventing tipping of the bolt holder laterally with respect to the plane of the legs, and for permitting angling of the bolt holder relative to the edges of the support in a manner that will appear.

As best shown in FIG. **3**, the legs **7A**, **7B** extend downwardly and outwardly to the outer edges **15A**, **17A** of the support bars **15**, **17**. The back leg **7A** is bent as indicated at **21** whereby the free end of leg **7A** meets the support at a substantially steeper slope than the remaining portion of the leg. Each foot **19** comprises a connecting portion **23** of wire bent from the free end

of each leg 7A, 7B to extend inwardly in the plane of the legs toward the opposite leg. A lateral portion 25 (also referred to as a first portion) is bent from the inner end of the connecting portion 23 to extend laterally outward from the plane of the legs. As shown in FIG. 2, the lateral portion 25 which is connected to leg 7A extends perpendicularly outwardly from one side of the plane of the legs and the lateral portion 25 which is connected to leg 7B extends perpendicularly outwardly from the other side of the plane of the legs whereby one of the feet 19 projects out on one side of the plane of the legs and the other foot 19 projects out on the other side thereof. Another portion of the wire, referred to as a second portion 27, is bent to extend from the outer end of the lateral portion 25 to its corresponding edge 15A or 17A of the support 5. A vertical portion 29 (also referred to as a third portion) of the wire is bent to extend down from the outer end of the second portion 27 and is engageable with one of the oppositely facing edges 15A, 17A of the support. A lower portion 31 of the wire is bent from the lower end of the vertical portion 29 to extend back under and to be engageable with the lower surface of the support. The connecting portion 23, the lateral or first portion 25, and the second portion 27 are all disposed to lie substantially in a horizontal plane and to contact the upper surface of the support 5 when the bolt holder 1 is installed thereon. The lower portion 31 is spaced apart from these last mentioned members a distance corresponding to the thickness of the support and is engageable with the lower surface thereof. The second and third portions 27 and 29 and the lower portion 31 are disposed to lie in the same vertical plane, and form a C-shaped clip preferably having a close fit on the edges 15A, 17A.

The bolt holder is so dimensioned that, when in its unstressed condition, the portions 29 of the two feet are spaced a distance somewhat less that the spacing of the outer edges 15A, 17A of bars 15 and 17. The legs 7A and 7B are adapted to be sprung apart as illustrated in phantom in FIG. 3 for being applied to or removed from the bars 15 and 17. The bolt holder 1 may be applied to the bars in a position such as shown for one of the bolt holders in FIGS. 1 and 2 with the plane of legs 7A, 7B perpendicular to the bars, or in a position such as shown for the other bolt holder in FIGS. 1 and 2 with the plane of the legs diagonal to the bars. In either position, the C-shaped clip portions 27, 29, 31 of the feet of the legs 7A, 7B hold the bolt holder on the bars, and portions 25 of the wire prevent tipping of the bolt holder one way or the other. The C-shaped clip portions are preferably formed to grip the bars with sufficient friction to hold the holder in the position with its plane perpendicular to the bars despite the spring tendency of the legs tending to bring their lower ends closer together, but, in any event, the weight of the bolt of cloth generally causes sufficient frictional engagement of portions 25 of the wire with the tops of the bars to hold the holder in the stated right-angle position. Various diagonal positions of the holder are attainable, for various display positions exposing one broad side of the bolt of cloth. The bolt of cloth may also be angled forward as at B in FIG. 3 of U.S. Pat. No. 3,272,345.

As shown in FIG. 3, the holder may be readily removed on the support bars 15, 17 by grasping the legs 7A, 7B and spreading them apart from one another until feet 19 are clear of the support bars and then lifting the holder clear of the support. The bolt holders are installed on the support bars by reversing this procedure.

The one-piece construction of the bolt holders 1 of this invention permits the holders to be rapidly and economically fabricated by conventional wire forming machinery without separate manufacturing steps for securing the feet to the holder.

In view of the above, it will be seen that the several objects of the invention are achieved and other advantageous results attained.

As various changes could be made in the above constructions without departing from the scope of the invention, it is intended that all matter contained in the above description or shown in the accompanying drawings shall be interpreted as illustrative and not in a limiting sense.

What is claimed is:

1. A holder for holding bolts of cloth or the like in a generally upright display position on a generally horizontal support means, said holder being formed of a single length of relatively stiff, resilient wire bent on itself to have two legs at an acute angle to one another substantially in the same plane, the legs constituting the sides of the angle, and having a bent portion interconnecting the two legs constituting the vertex of said angle, each leg having means formed at its free end, which constitutes its lower end, slidably engageable with one of two oppositely facing edge portions of said support means for holding said bolt holder upright on said support means, for preventing tipping of said bolt holder laterally with respect to the plane of said legs, and for permitting angling of said bolt holder relative to said support means, said means comprising a first portion of the wire extending out from the plane of the legs engageable with an upper surface of said support means, a second portion of the wire bent to extend from the outer end of said first portion to the edge of said support means, a third portion of the wire bent to extend down from the outer end of said second portion and engageable with one of said oppositely facing edges of said support means, and a lower portion of the wire extending back from the lower end of said third portion to extend back under and to be engageable with the lower surface of said support means, whereby the bolt holder may be positioned with its plane generally at right angles to said edge portions of the support means or diagonally with respect thereto.

2. A bolt holder as set forth in claim 1 wherein said first portion of one of said lower end means extends perpendicularly out from the plane of the legs on one side thereof and said first portion of the other of said lower end means extends perpendicularly out from the plane of the legs on the other side thereof so as to prevent tipping of the holder laterally with respect to the plane of said legs.

3. A bolt holder as set forth in claim 1 wherein each said lower end means further comprises a connecting portion of the wire bent from the lower end of its respective leg to extend back in the plane of the legs toward the other leg, said first portion being bent from the inner end of said connecting portion.

4. A bolt holder as set forth in claim 3 wherein said legs extend downwardly from said vertex to be engageable with the outer edge portions of said support means with said connecting portion of each means extending back in the plane of the legs from the leg from which

it is bent toward the other leg, said first portion being bent from said connecting portion and extending perpendicularly outwardly from the plane of the legs, said second portion being bent perpendicular to the first portion and extending outwardly therefrom to the outer edge of said support means, said connecting portion, said first portion, and said second portion lying in

the same plane, said third portion being bent down to lie along the outer edge of said support means, and said lower portion being bent from the lower end of said third portion to extend back from the outer edge portion of said support means, said lower member and said second portion being in the same vertical plane.

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