Oct. 12, 1926. 1,603,145

G. PADMORE

DISPLAY DEVICE FOR TEXTILE GOODS AND SIMILAR ARTICLES

Filed April 4, 1925 2 Sheets-Sheet 1

Fig. 1.

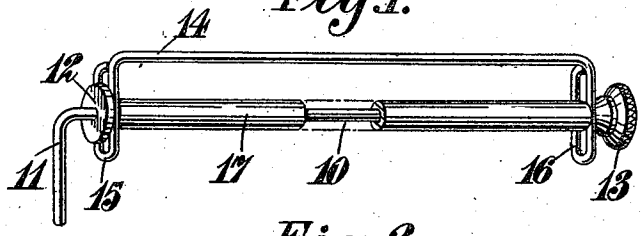


Fig. 2.

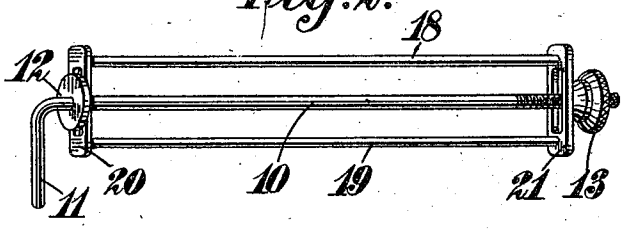


Fig. 3.

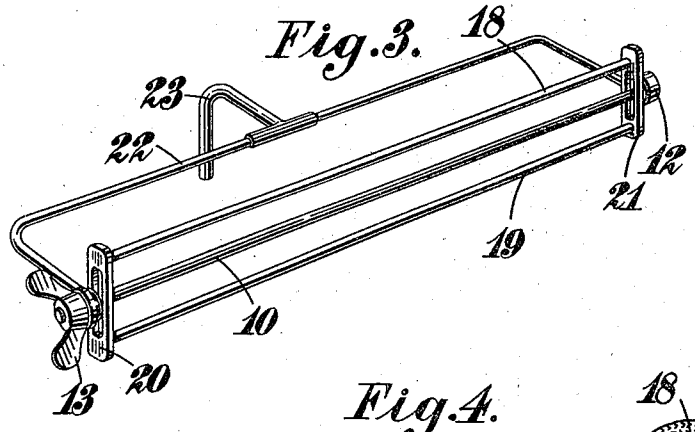
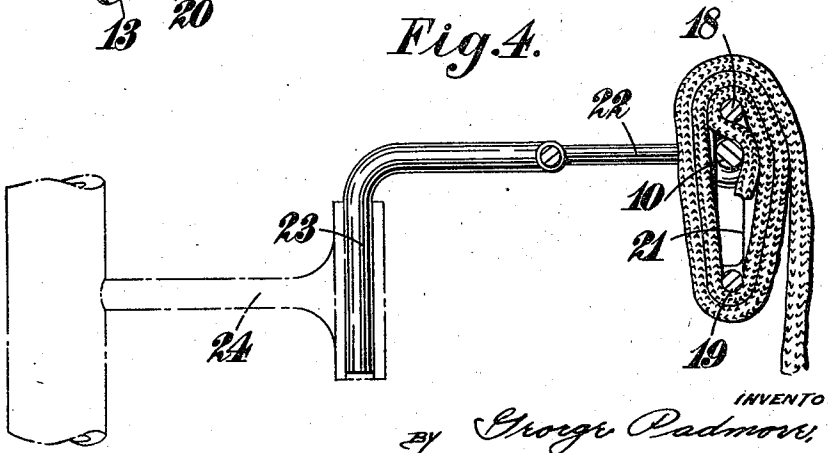


Fig. 4.



INVENTOR

BY George Padmore,

Watson, Coit, Morse & Grindle,

ATTYS.

Oct. 12, 1926. 1,603,145

G. PADMORE

DISPLAY DEVICE FOR TEXTILE GOODS AND SIMILAR ARTICLES

Filed April 4, 1925 2 Sheets-Sheet 2

Fig. 5.

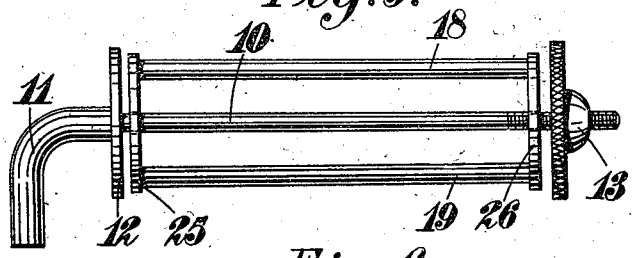


Fig. 6.

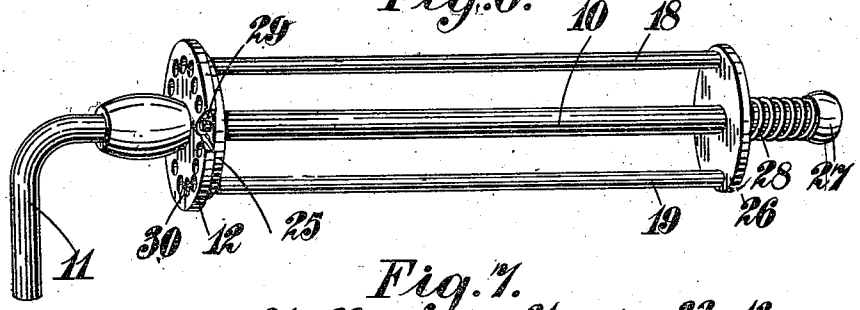


Fig. 7.



Fig. 8.

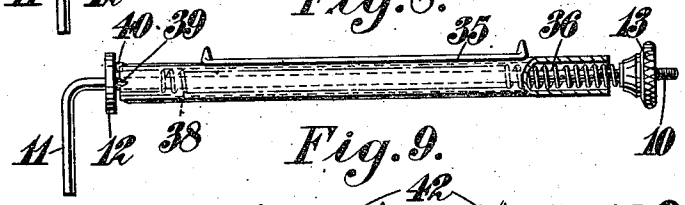


Fig. 9.

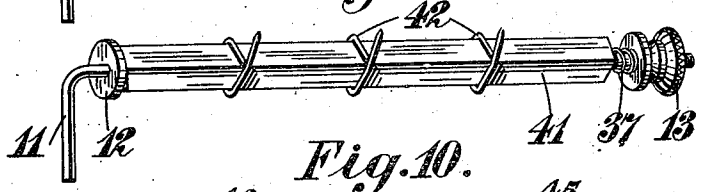
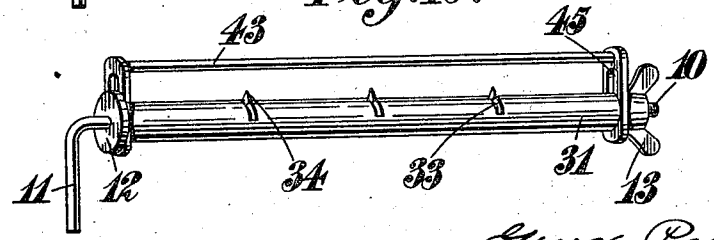


Fig. 10.



INVENTOR

George Padmore,

BY Watson, Coit, Moore & Grindley,

ATTYS.

Patented Oct. 12, 1926. 1,603,145

UNITED STATES PATENT OFFICE.

GEORGE PADMORE, OF LEICESTER, ENGLAND.

DISPLAY DEVICE FOR TEXTILE GOODS AND SIMILAR ARTICLES.

Application filed April 4, 1925, Serial No. 20,779, and in Great Britain April 14, 1924.

This invention is for improvements in or relating to display devices for textile goods and similar articles of the type comprising a supporting bar from which the article to be displayed is suspended or otherwise supported. The display device is particularly applicable for use in connection with hosiery, ties, gloves and other articles of wearing apparel, ribbons and cloth, but it is not limited to this particular use and may be employed in many other circumstances. The supporting bar aforesaid will usually be detachably received by a window standard or similar carrier and may have a downwardly turned end to be received in a perforation in the carrier so as to permit the bar to be swung horizontally into any convenient position.

The invention has for one of its objects to provide a display device which shall be neat in appearance and which can be almost completely concealed if desired by the article being displayed, and which, furthermore, will hold such article securely without fear of displacement while at the same time permitting the article to be readily placed in position and removed.

According to the primary feature of the present invention there is provided a display device of the type described which is characterized by the combination with the supporting bar of a wrapping member so mounted on the bar as to be rotatable about the same, around or through which member, or between which member and the bar, the article to be displayed can be passed or threaded, so that when the said member is rotated the article to be displayed will be wrapped around it and the bar in such manner as to develop such wrapping member and the bar in one and the same turn, and clamping means movable (for example endwise of the bar) into and out of operative clamping position for locking the said gripping member to the bar.

The wrapping member may comprise a rod arranged substantially parallel to the supporting bar and extending between arms whereby it is rotatably mounted on said bar, with or without a distance piece between said arms to resist their undue displacement towards each other along the bar, and the wrapping member may be received upon the supporting bar between clamping abutments at least one of which is movable (for example along screwthreads or against spring pressure) lengthwise of the bar. According to a further feature of the invention the connection between the aforesaid arms and the supporting bar is such as to permit the rod to be adjusted towards and from the bar. By this means the article to be displayed can be firmly gripped between the bar and the supporting rod after which the rod can be clamped in position whereupon no undesired displacement of the article can occur. The wrapping member may have prongs for securing engagement with the article to be displayed.

For a more complete understanding of the invention there will now be described, by way of example only and with reference to the accompanying drawings, a number of constructions of display device according to the invention. It is to be understood, however, that the invention is not restricted to the precise constructional details set forth.

In these drawings:—

Figure 1 is a perspective view of one form of display device according to the invention.

Figure 2 a corresponding view of a modified construction.

Figure 3 is a corresponding view of another modified construction.

Figure 4 is an end elevation, partly in section, illustrating one method of using the device illustrated in Figure 3. Figure 4 is on a scale larger than that of the preceding figure.

Figure 5 is a side elevation of another form of display device according to the invention.

Figure 6 is a perspective view, partly in section, of a further construction.

Figure 7 is a similar view of another construction.

Figure 8 is a side elevation partly in section of another modification.

Figure 9 is a perspective view of still another construction, and

Figure 10 is a similar view of a further construction.

Like reference numerals indicate like parts throughout the drawings.

Referring first of all to Figure 1, the main supporting bar 10 has a bent end 11 for reception in a stand or carrier not illustrated in this figure. Closely adjacent to the end 11 is a fixed collar 12, and the other end of the bar 10 is screwthreaded to receive a nut 13. Between the collar 12 and nut 13 is received the wrapping member afore-

said in the form of a gripping member which comprises a wire 14 whereof the ends are bent to form loops 15 and 16 through which the bar 10 is threaded. These loops, therefore, constitute arms whereby the gripping member is rotatably mounted on the bar 10 in such a manner that its portion 14 can be adjusted toward and from the bar. Also threaded upon the bar 10 is a distance tube 17 which lies between the loops 15 and 16 and prevents undue compression being applied to the ends of the gripping member by the nut 13.

The construction shown in Figure 2 is on similar lines to that of Figure 1 except that the wrapping member also in the form of a gripping member comprises two rods 18 and 19 which lie substantially parallel to each other and are connected at each end by arms 20 and 21 which are slotted to receive the main bar 10. In this construction there is no need to provide a distance tube such as 17 between the arms.

The construction shown in Figure 3 embodies a gripping member similar to that illustrated in Figure 2, but the main supporting bar 10 instead of having a bent end is carried by the free ends of a U-shaped frame 22 having intermediate of its length a bent rod 23 for reception in a carrier. Such a carrier is illustrated in chain lines at 24 in Figure 4 and this figure also shows one method of using the display device. As illustrated therein, the end of the article to be displayed may be threaded between the rod 18 and the main supporting bar 10, the rod being brought sufficiently near to the bar to afford efficient gripping of the article. After the latter has thus been threaded in position the gripping member may be rotated about the bar 10 to wrap around it a sufficient length of the article to afford such amount of frictional grip as will prevent the article from falling out of position so long as rotation of the gripping member is prevented. The gripping member may be prevented from rotation by screwing the nut 13 tightly against it, thus jamming the gripping member between the nut and the collar 12. The article can thus hang freely and in natural flat formation provided that a suitable width of display device is chosen, while substantially the whole of the latter will be concealed by the article. Furthermore, the length of the article to be exhibited is capable of easy adjustment.

The construction shown in Figure 5 is on similar lines to those described above, except that the arms or discs 25 and 26 which connect the rods 18 and 19 are only provided with small circular perforations which just fit the bar 10. Consequently in this construction there is no provision for adjusting the rods 18 and 19 to and from the bar 10.

The construction shown in Figure 6 is somewhat similar to Figure 5. However, instead of the end of the rod being screw threaded to receive a nut, it is provided with a fixed collar 27 between which and the disc 26 a coiled spring 28 is housed. The disc 25 carries a pin 29 which is adapted to be snapped into any one of a series of perforations 30 in the collar 12 and in this way the wrapping member can be maintained in any desired setting about the bar 10.

In the construction shown in Figure 7 the main supporting bar 10 is surrounded by a tube 31 which is located between its collar 12 and nut 13, with the interposition of a washer 32 if desired, and this tube 31 is slotted at 33 to permit of the insertion of prongs 34 into position to have the bar 10 threaded through them. The prongs 34 are intended to obtain a grip upon the article to be displayed, and it will be appreciated that the prongs with the tube 31 can be rotated about the bar 10 to wrap a sufficient portion of the article to be displayed about the bar, after which the nut 13 can be tightened.

Figure 8 also illustrates a construction embodying prongs for obtaining a grip upon the article to be displayed, but in this construction the prongs are formed by the sharpened out-turned ends of a strip 35 which is attached to the outside of a tube 36 through which the bar 10 is threaded. In the interior of the tube 36 a coiled spring 37 is received surrounding the bar 10 and abutting at one end against a shoulder 38 in the interior of the tube 36, and at the other end against the nut 13. The end of the tube 36 adjacent to the shoulder 38 is serrated as indicated at 39 to co-operate with a pin 40 projecting from the collar 12. The nut 13 serves to adjust the tension of the spring 37 and the latter will operate to maintain the tube in any desired setting about the rod 10, any desired one of the serrations 39 being brought opposite to the pin 40.

The construction shown in Figure 9 follows the lines of that illustrated in Figure 8 and preferably embodies serrations such as 39 and a pin such as 40 although these are not illustrated. The spring 37 is surrounded by a square tube 41 and the latter has slidably mounted upon it wires 42 which are bent and sharpened to afford prongs.

The construction shown in Figure 10 is similar to that shown in Figure 7 save that it comprises in addition a rod 43 attached at its ends to slotted arms 44 and 45 through which the bar 10 is threaded. The rod 43, which, like the rod 14 for example, is adjustable to and from the bar 10, is intended to co-operate with the prongs 34 to grip the article to be displayed.

The display device may be set either horizontally, obliquely or vertically and more than one gripping member may be mounted upon the same supporting bar if desired with either a single clamping arrangement for all the gripping members or a separate clamping means for each one as preferred. By having the supporting bar detachable from its stand, it will be appreciated that the articles to be displayed can be arranged in position before they are transferred to the site of the stand which is a convenience where space is retricted.

The display device may be made of metal or other suitable material and may be ornamented as desired and it is to be understood that the invention is not restricted to the precise constructional details hereinbefore set forth.

I claim:—

1. A display device for textile goods and similar articles, comprising in combination a supporting bar for the article to be displayed, a wrapping member rotatably carried by said bar and between which and the bar the article to be displayed can be passed and subsequently be wrapped around the wrapping member and the bar in one and the same turn in such a manner as to conceal the same and depend freely therefrom in flat formation, and clamping means carried by the bar and movable in the direction of length of the bar into and out of operative clamping position for locking the said wrapping member to the bar.

2. A display device for textile goods and similar articles, comprising in combination a supporting bar for the article to be displayed, a wrapping member carried by said bar and around which the article to be displayed can be wrapped in such a manner as to envelop the wrapping member and bar in one and the same turn and depend freely therefrom in flat formation, and clamping abutments on the bar between which the wrapping member is received, one of which abutments is movable relatively to the other lengthwise of the bar.

3. A display device for textile goods and similar articles, comprising in combination a supporting bar for the article to be displayed, a wrapping member comprising a rod arranged substantially parallel to the supporting bar, arms between which the rod extends and by which it is rotatably mounted on said bar, and a distance piece between said arms whereby the article to be displayed can be threaded between the rod and the bar and subsequently be wrapped around the wrapping member and the bar to envelop the same in one and the same turn, and clamping means carried by the bar and movable into and out of operative clamping position for co-operating with the said distance piece in locking the wrapping member to the bar.

4. A display device for textile goods and similar articles, comprising in combination a supporting bar for the article to be displayed, a wrapping member comprising a rod arranged substantially parallel to the supporting bar, arms between which the rod extends and by which it is rotatably mounted on said bar, and a distance piece concentrically arranged about the bar between said arms whereby the article to be displayed can be threaded between the rod and the bar and subsequently be wrapped around the wrapping member and the bar to envelop the same in one and the same turn, and clamping means on the bar for co-operating with the said distance piece in locking the wrapping member to the bar.

5. A display device for textile goods and similar articles, comprising in combination a supporting bar for the article to be displayed, a wrapping member rotatably carried by said bar and around which the article to be displayed can be wrapped to envelop the wrapping member and bar in one and the same turn, prongs on said bearing to engage and hold the article and clamping means carried by the bar for locking the wrapping member to the bar.

6. A display device for textile goods and similar articles, comprising in combination a supporting bar for the article to be displayed, a wrapping member having its ends carried by said bar in such a manner as to be rotatable about the bar and around which wrapping member the article to be displayed can be wrapped to envelop the wrapping member and bar in one and the same turn and depend freely therefrom in flat formation, prongs carried by said bar, a slotted tubular distance piece through which said prongs extend surrounding said bar between the ends of the wrapping member, and clamping means on the bar for cooperating with said distance piece in locking the said wrapping member to the bar.

In testimony whereof I affix my signature.

GEORGE PADMORE.