

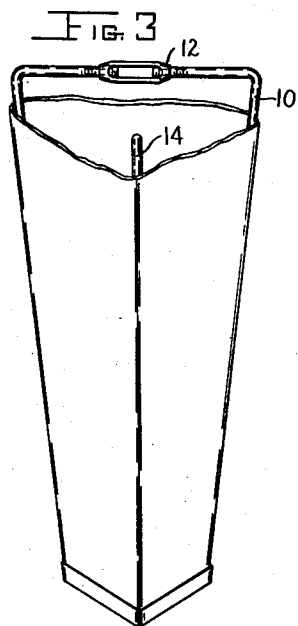
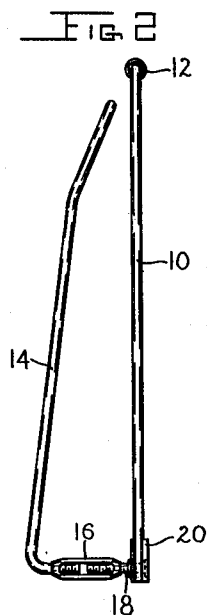
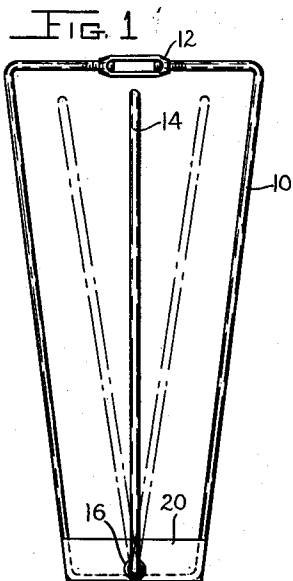
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2,670,110

TROUSERS DISPLAY DEVICE

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TROUSERS DISPLAY DEVICE

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7 Claims. (Cl. 223—72)

1

This invention relates to a trousers display device and more particularly to a device of the type used for displaying a pair of trousers in a store window or the like.

It has been definitely established that effective window displays materially increase the sales of the products displayed. It is equally true that a poor display is worse than nothing. There has been a long felt need for a low cost, effective means for displaying trousers without using full size dummies which are expensive, occupy a large amount of window and/or storage space, and have other objectionable features. It is an object of this invention to provide a simple, low cost, trousers display device which constitutes an improvement over display devices of the type shown in Owens Patent No. 2,543,298.

It is an object of this invention to provide a simple means which may be used for displaying either ready-made trousers or a piece of fabric simulating trousers in such a manner that the crease shows up to best advantage.

Another object of this invention is to provide a trousers display device which is adjustable so as to compensate for differences in cuff sizes and also differences in the fullness of the upper portion of the trouser legs.

Another object of this invention is to provide a display device which may be manufactured on a mass production basis at a low cost.

Another object of this invention is to provide a trousers display device which will occupy a minimum amount of space during shipment.

Still another object of this invention is to provide a trousers display device which eliminates the need for the use of pins.

Other objects and advantages reside in the construction of parts, the combination thereof and the mode of operation, as will become more apparent from the following description.

In the drawing:

Figure 1 is a front elevational view of the trousers display device with a dotted line showing of various alternative positions of the crease supporting rod;

Figure 2 is a side elevational view of the device shown in Figure 1; and

Figure 3 is a fragmentary perspective view showing trousers displayed on one of the devices.

Referring now to the drawing wherein I have shown a preferred embodiment of my invention, reference numeral 10 shows a one-piece wire frame which has been bent into the shape shown so as to fit into one leg of trousers to be displayed. The ends of the frame 10 are threaded, 65

2

as shown, so as to receive a turnbuckle 12 which makes it possible to adjust the width of the frame adjacent the upper end thereof. It is preferable to provide a turnbuckle which provides enough adjustment so that the top portion of the frame can be expanded from approximately 10½ inches to 15 inches. By virtue of the above described adjustable feature, it is possible to display the trousers in such a manner that the main portion which is noticed by the passer-by is held taut.

A crease forming and holding rod or member 14 has been provided as shown. This member has its lower end bent, as shown, and threaded so as to cooperate with a turnbuckle 16 carried by a threaded stud 18 which in turn is carried by a block 20 held by the main frame 10 adjacent the lower end thereof, as best shown in Figure 2. The bottom two sides of the block 20 are provided with grooves for receiving the frame 10. by virtue of using the turnbuckle 16, it is possible to adjust for differences in dimensions in the lower end of the trouser leg, so as to make it possible to hold the material taut without using pins or the like to hold the surplus material in place.

The rod 14 is adapted to engage the crease of the trousers so as to very effectively display the trousers to the best advantage. The upper portion of the trousers and the extra leg may be folded up adjacent the top or back of the main frame 10, with the result that the passer-by will primarily see the one leg of the trousers and will see this leg with the crease standing out and with the material held taut from top to bottom of the frame 10. The block 20 may be removably held in place adjacent the lower end of the frame 10 by means of friction or some suitable fastening means (not shown) which will enable one to remove the block 20 from the frame when the frame is to be shipped, so as to make it possible to package the frame in a flat condition.

By virtue of the triangular shape of the display device adjacent the bottom end thereof, it is not necessary to provide any extra means for holding the trousers in the vertical position. It will also be noted that the shape of the frame and the arrangement of the crease supporting rod 14 is such that it is easy to slip the frame down into a trouser leg without having it catch in the material of the trousers.

The crease engaging rod 14 has its upper end unattached to the upper end of the frame whereby it is free to move relative to the frame. The inherent resiliency of the rod 14 serves to com-

compensate for expansion and contraction of the material in the trousers supported thereby, so that any such expansion or contraction of the cloth in the trousers resulting from a change in the humidity will not serve to create a slack in the material, as the spring tension of the rod 14 will take up any such slack. It will also be noted that the turnbuckle 16 makes it possible to swing the rod 14 from side to side, so as to allow the window trimmer considerable freedom in arranging the trousers on the display frame.

Prior to insertion of the form into the leg of a trousers, the vertical portion of the crease forming rod 14 extends substantially at right angles to the turnbuckle 16, but when the form is inserted into the leg of a trousers, it is bent toward the back frame member, with the result that the inherent resiliency of the rod 14 creates a pushing force acting against the crease portion of the trousers.

The turnbuckle 16 constitutes a floating support or swivel for the rod 14 whereby the rod 14 is in effect a floating creaser which makes it possible for the window trimmer to shift the rod 14 from side to side at will. One of the big advantages of this novel construction is that the preformed crease in a trousers may be centered with respect to the frame 10 or it may be purposely offset to one side or the other, so as to display the trousers to the best advantage. Furthermore, the floating creaser construction 14 eliminates the need for twisting the material of the upper end of the trousers about the frame 10 in an effort to accurately line up the crease with the center of the frame as the rod 14 can very easily be shifted into alignment with the crease to take care of any unintentional misalignment.

It will be noted that the floating creaser 14 is provided with a hump adjacent its upper end. By virtue of this hump construction, once the support is properly installed in the leg of a pair of trousers and expanded so as to hold the cloth taut, the trousers will not slip down, as the hump then constitutes a barrier which prevents the trousers from sagging. It will also be noted that the turnbuckle 16 is readily accessible for tightening after the support has been inserted into the leg of a pair of trousers. The rugged construction shown makes it possible to tighten the lower turnbuckle to such an extent that one can pull up on the upper end of the trousers so as to pull the cloth taut without any danger of the cuff portion becoming displaced. In other words, the window trimmer would first adjust the turnbuckle 16 so as to properly position and hold the cuff and could thereafter adjust and pull on the upper end of the trouser leg without pulling the cuff portion out of place.

The construction described hereinabove makes it possible to properly stretch the material both vertically and horizontally as desired without the need for the use of pins, which not only frequently pull threads in the trousers but which tend to pull the material out of shape adjacent the pins. Thus, one of the advantages of a universally adjustable display device of the type described hereinabove is that it eliminates the need for any localized strains or stresses in the material of the trousers which would result from the use of pins or similar devices for holding the material taut.

Although the preferred embodiment of the device has been described, it will be understood that within the purview of this invention various changes may be made in the form, details, pro-

portion and arrangement of parts, the combination thereof and mode of operation, which generally stated consist in a device capable of carrying out the objects set forth, as disclosed and defined in the appended claims.

Having thus described my invention, I claim:

1. A trouser leg display device comprising a back member having a broad upper end and a narrower lower end and tapered sides between the ends, a swiveled trousers crease forming rod adjustably mounted on and spaced in front of said back member and having an edge arranged to engage the crease-line of a trousers, and means including a turnbuckle for adjustably supporting said rod on the lower end of said back member with the upper end of the rod free to move in a plane perpendicular to the back member.

2. A trouser leg display device comprising a back member having a broad upper end and a narrower lower end and tapered sides between the ends, a swiveled trousers crease forming rod adjustably mounted on and spaced in front of said back member and having an edge arranged to engage the crease-line of a trousers, and means including a turnbuckle for adjustably supporting the lower end of said rod on the lower end of said back member, the upper end of said rod being spaced from the upper end of said back member and the rod having resiliency so as to exert a continued pressure against the fabric of the trousers displayed thereon so as to compensate for expansion and contraction of the said fabric resulting from humidity changes.

3. A trouser leg display device comprising a back member having a broad upper end and a narrower lower end and tapered sides between the ends, a swiveled trousers crease forming rod adjustably mounted on and spaced in front of said back member and having an edge arranged to engage the crease-line of a trousers, and means for supporting the lower end of said rod adjacent the lower end of said back member, said back member comprising a one-piece rod having its ends meeting at the top of said back member and means located at the upper end of the back member for spreading said ends so as to provide for adjustment in the width of the upper end of the back member.

4. A trouser leg display device comprising a back member having a broad upper end and a narrower lower end and tapered sides between the ends, a swiveled trousers crease forming rod adjustably mounted on and spaced in front of said back member and having an edge arranged to engage the crease-line of a trousers, and means for supporting the lower end of said rod adjacent the lower end of said back member, said back member comprising a one-piece rod having its ends meeting adjacent the top of said back member and means located at the upper end of the back member for spreading said ends so as to provide for adjustment in the width of the upper end of the back member, said last named means comprising a turnbuckle threaded to at least one of said ends.

5. A trouser leg display device comprising a back member having a broad upper end and a narrower lower end and tapered sides between the ends, a crease forming member spaced in front of said back member, and means for floatingly mounting said crease forming member on said back member whereby the upper end of said crease forming member may be shifted from side to side into alignment with the crease-line of a trousers to be displayed on said device.

5

6. A trouser leg display device comprising a back member having a broad upper end and a narrower lower end and tapered sides between the ends, a crease forming member spaced in front of said back member, and means for floatingly mounting said crease forming member on said back member whereby said crease forming member may be shifted from side to side into alignment with the crease-line of a trousers to be displayed on said device, the upper end of said crease forming member having a hump formed thereon for assisting in holding the trousers in place on the display device.

7. A trousers display device comprising a back member, a swiveled crease forming member spaced in front of said back member, and means

6

for supporting said crease forming member on said back member, the upper end of said crease forming member having a hump formed thereon for holding the material of the leg of a trousers from sliding downwardly on the display device said back member and front member forming a triangular base so as to independently maintain the device in an upright position.

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References Cited in the file of this patent

UNITED STATES PATENTS

Number	Name	Date
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529,600	Cook	Nov. 20, 1894