Sept. 1, 1931. M. NOBLE 1,821,024

SHOE DISPLAYER

Filed July 22, 1930 2 Sheets-Sheet 1

Fig. 1

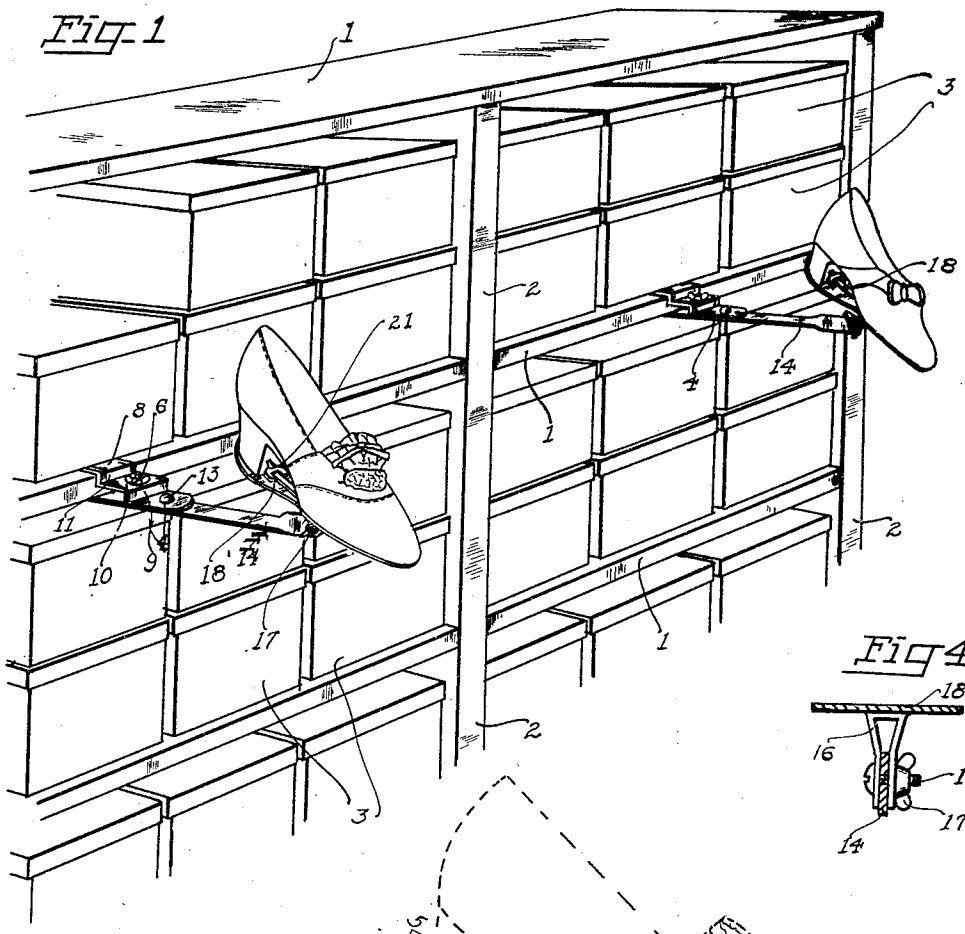
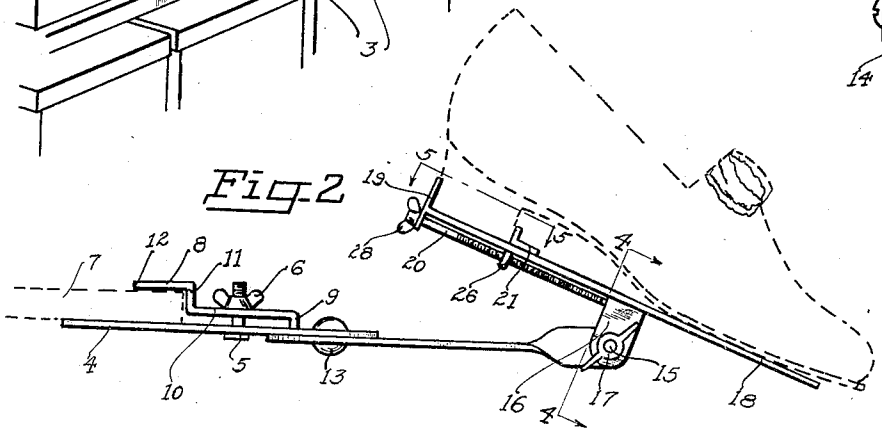


Fig 4

Fig. 2



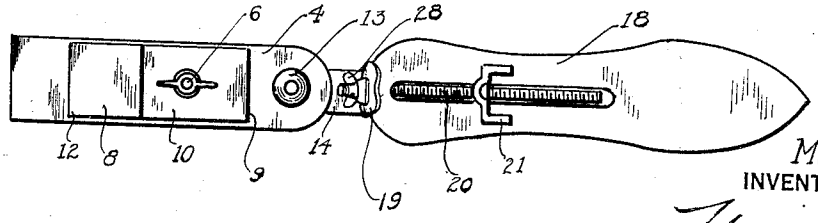


Fig. 3

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SHOE DISPLAYER

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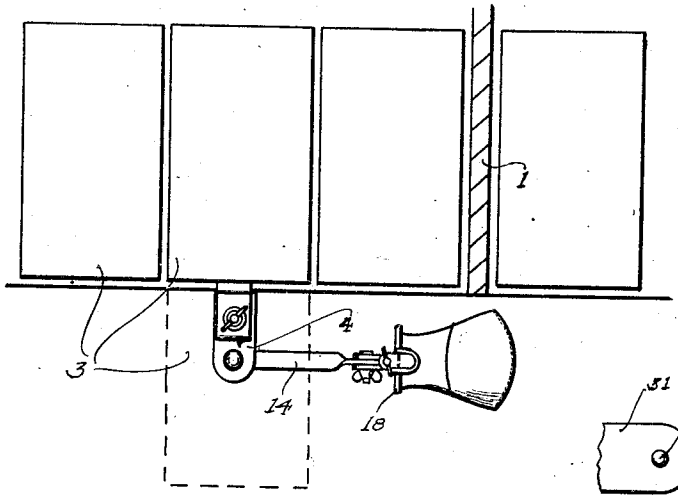


Fig. 11

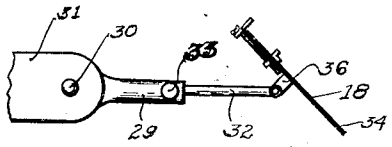


Fig. 8

Fig. 6

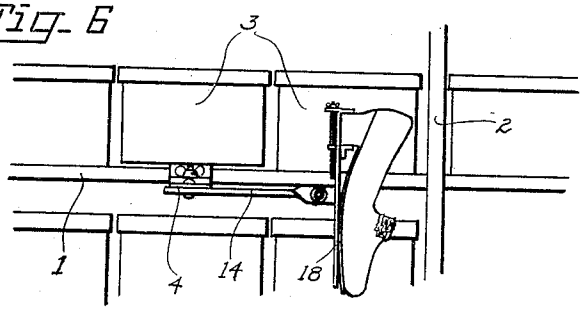
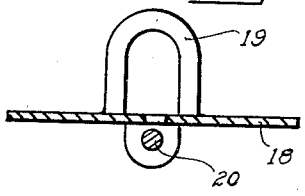


Fig. 10



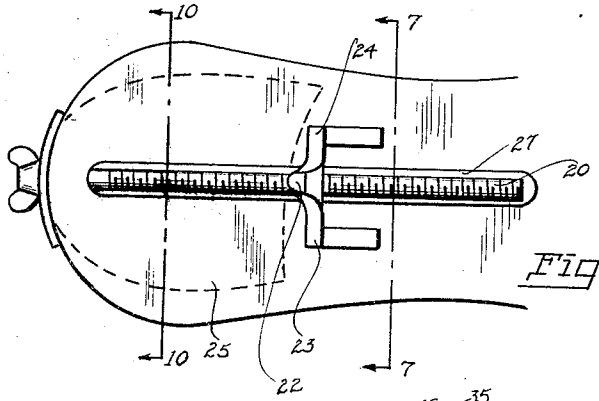


Fig. 5

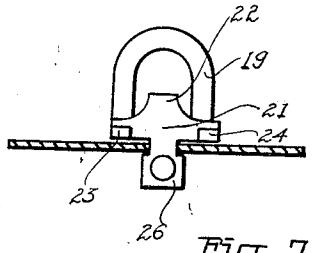


Fig. 7

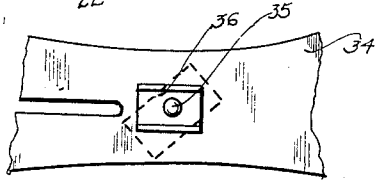


Fig. 9

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Patented Sept. 1, 1931 1,821,024

UNITED STATES PATENT OFFICE

MARK NOBLE, OF OAKLAND, CALIFORNIA

SHOE DISPLAYER

Application filed July 22, 1930. Serial No. 469,690.

My present invention relates to my Patent Number 1,720,565, entitled a Shoe displayer.

The primary purpose and object of my present invention resides in the simplified construction consisting of a body element and an adjustable grip removably secured thereto, having a link journaled about the vertical axis secured to the body element and a shoe support journaled relative to the link, means thus being provided for the adjustment of the link about a vertical axis and the adjustment of the shoe support about a horizontal axis.

The primary purpose and object of my present invention is for use in shoe stores, window displays, in the home, and in any and all places where it is desired to support one or more shoes and to display the same to the best advantage.

A further object of my new and improved device, resides in elements facilitating the displaying of shoes upon the shelves adjacent to which shoe boxes are stored; to provide means for the displaying at the shelf location of a sample of the shoes contained in the group or boxes of the group.

A further object of my new and improved device consists in providing means for the displaying of either right or left shoes upon the same device, with means being provided to prevent the dislodgement of the shoe from the supporting elements.

And still further objects of my new and improved device, consists in providing for the adjustment of the shoe to be displayed in three independent angle adjustments.

With these and incidental objects in view, the invention consists in certain novel features of construction and combination of parts, the essential elements of which are set forth in the appended claims, and a preferred form of embodiment of which is hereinafter shown with reference to the drawings which accompany and form a part of this specification.

In the drawings:

Fig. 1 is a perspective view of a shelf display of shoe boxes and of shoes contained within the boxes of the respective groups.

Fig. 2 is a side elevation of one of my new and improved devices, shown attached to the supporting shelf and illustrating a shoe being displayed thereupon.

Fig. 3 is a top, plan view, of the mechanism illustrated in Fig. 2, with the shoes removed therefrom.

Fig. 4 is a sectional view, taken on line 4—4 of Fig. 2, looking in the direction indicated.

Fig. 5 is a fragmentary, top, plan view, in enlarged detail taken on line 5—5 of Fig. 2, looking in the direction indicated.

Fig. 6 is a front view, of the device shown attached to a shelf adapted for the supporting of shoe boxes and illustrating my new and improved device turned at an angle to the support to facilitate the removal of the box of shoe normally disposed in line with the box to be removed.

Fig. 7 is a sectional, end view, taken on line 7—7 of Fig. 5, looking in the direction indicated.

Fig. 8 is a top, plan view, of a modified form of my device to permit of a swiveling of a shoe supporting element relative to the body element.

Fig. 9 is a top, plan view, of the shoe supporting element made to illustrate means for the swiveling of the shoe support relative to the bracket to which the same is attached.

Fig. 10 is a cross sectional view, taken on line 10—10 of Fig. 5, looking in the direction indicated.

Fig. 11 is a front view, of a shoe display shelf to the side wall of which one of my new and improved display holders is attached, the same being a rear or heel view of the holder.

Like reference characters refer to like parts throughout the several views.

My new and improved device is primarily

intended for use in conjunction with shelving upon which shoe boxes and shoes are maintained in commercial quantities, wherein shelves 1, are supported between vertical supports 2, and upon which shoe boxes 3 are supported and displayed. Heretofore it has been impossible to indicate to the customers and to the shoe clerk, the contents of the shoe boxes, or of any one group of shoes without the removal of the boxes from the shelves and the removal of the shoe from the boxes. In my new and improved device, I attach the device to the shelf 1, and display the shoes therefrom. The device consists primarily of the body element 4, and having an adjustable fastening 5 secured to the body element and having a wing nut 6, or any other suitable device secured to the fastening for creating an intimate contact between the body element 4, the shelf 7. The clamping head 8 is made in preferred embodiment of the downwardly extending end portion 9, which rests upon the body element and has a central section 10 running substantially parallel with the body element and in spaced relationship therewith, and having an upwardly extending midsection 11, and a terminal end 12. The terminal end 12 is inclined at an angle to the midsection 11, so that as clamping pressure is applied to the fastening, the inner end of the downwardly inclined end section will engage with the support shelf 7. A journal fastening 13 is secured to the outer end of the body element 4, and the link 14 is journaled thereabout. A horizontal adjustable fastening 15 is secured to the yoke 16 and passes through the outer walls of the same with the link 14 extending therebetween so that as pressure is applied to the thumb nut 17, a frictional relationship is maintained between the yoke 16 and the link element 14. The shoe support 18 to which the yoke 16 is attached, has an upwardly extending bracket or jaw 19, wich extends below the shoe support 18 as well as above, for a sufficient distance to permit the adjusting shaft 20 to extend therethrough. The adjusting shaft 20, passes through the lower portion of the bracket 19 and carries an adjusting bracket 21 which is adjustably positioned upon the shaft 20 as by being threaded therealong. The bracket 21 is preferably made, as illustrated in Fig. 5, wherein the central portion 22, of the same extends beyond the side walls 23 and 24 of the brackets, so that the central section 22 will engage the heel 25 of the shoe to be supported centrally thereof, which will maintain the shoe fixedly positioned upon the shoe supporting element 18. A downwardly extending lug 26 of the bracket 22, passes through a slot 27, disposed within the shoe supporting element 18 and maintains the bracket in a proper working relationship relative to the shoe support 18. A hand engaging head 28 disposed upon the outer end of the adjusting shaft 20, permits of a hand rotation of the shaft 20 which is in threaded relationship with the downwardly extending lug 26. For the displaying of shoes in window display, a slightly modified form of the device has been found desirable wherein the link 29, as illustrated in Fig. 8, is journaled relative to a vertical support 30, of the body element 31, and a secondary link 32 is journaled within the link 29 the same means being provided for fixedly maintaining the secondary link 32 within the journal link 29 by a clamping thread element 33. In certain displays it has also been found desirable to tilt the shoe at an angle. This is accomplished, as illustrated in Fig. 9, wherein the shoe supporting element 34 is journaled about a journal pin 35 disposed between the bracket 36 and the shoe supporting element 34.

While the form of mechanism herein shown and described is admirably adapted to fulfill the objects primarily stated, it is to be understood that it is not intended to confine the invention to the one form of embodiment herein shown and described, as it is susceptible of embodiment in various forms, all coming within the scope of the claims which follow.

What I claim is:

1. In a shoe support, a body element consisting of an elongated plate including means at one end of said body element for clasping the edge of shelf adapted for supporting it in a projecting horizontal position, a link pivotally connected to the other end of said body element, a shoe support, a yoke pivotally connected to said support, said yoke being pivotally connected to said link, a bracket at one end of said support extending substantially above and below, there being an elongated slot in said support, a second bracket provided with a lug extending through said slot and movable therealong, and a shaft extending through the downwardly extending portion of the first bracket threaded through the aforesaid lug whereby rotation and counter rotation thereof will cause the said second bracket to move toward and from the first bracket.

2. In a shoe support, a body element consisting of an elongated plate, including means at one end of said body element for clasping the edge of a shelf, adapted for supporting it in a projecting horizontal position, a link pivotally connected to the other end of said body element, a shoe support carried by said link capable of movement about a horizontal axis, a bracket at one end of said support extending substantially above and below, there being an elongated slot in said support, a second bracket provided with a lug extending through said slot movable therealong, and a shaft extending through the downwardly extending portion of the

first bracket threaded through the aforesaid lug whereby rotation and counter rotation thereof will cause the said second bracket to move to and form the first bracket.

3. In a shoe support, a body element consisting of an elongated plate including means at one end of said body element for clasping the edge of a shelf adapted for supporting it in a projecting horizontal position, a link pivotally connected to the other end of said body element, a shoe support, a yoke projecting from the underside of said support pivotally connected to said link, a bracket at one end of said support extending substantially above and below, there being an elongated slot in said support, a second bracket provided with a lug extending through said slot and movable therealong, and a shaft extending through the downwardly extending portion of the first bracket threaded through the aforesaid lug whereby rotation and counter rotation thereof will cause the said second bracket to move toward and from the first bracket.

4. In a shoe support, a body element consisting of an elongated plate, a clamping head having a downturned outer end resting upon the inner end portion of said body element, a central section spaced from the body element, said clamping head having its inner end substantially offset and spaced parallelly to the inner end of the body element, threaded fastening means passing through the body element and the clamping head adapted for drawing the clamping head toward the body element, a link pivotally connected to the outer end of the body element, a shoe support carried by said link capable of being moved about a horizontal axis, a bracket at one end of said support extending substantially above and below, there being an elongated slot in said support, a second bracket provided with a lug extending through said slot movable therealong, and a shaft extending through the downwardly extending portion of the first bracket threaded through the aforesaid lug whereby rotation and counter rotation thereof will cause the said second bracket to move toward and from the first bracket.

5. In a shoe support, a body element consisting of an elongated plate, a clamping head having a downturned outer end resting upon the inner end portion of said body element, said clamping head having a central section spaced from the body element, said clamping head having its inner end substantially offset and spaced parallelly to the inner end of the body element, threaded fastening means passing through the body element, and the clamping head adapted for drawing the clamping head toward the body element, a link pivotally connected to the outer end of said body element, a yoke pivotally connected to said link, a shoe support pivotally connected to said yoke, a bracket at one end of said support extending substantially above and below, there being an elongated slot in said support, a second bracket provided with a lug extending through said slot and movable therealong, and a shaft extending through the downwardly extending portion of the first bracket threaded through the aforesaid lug whereby rotation and counter rotation thereof will cause the said second bracket to move toward and from the first bracket.

MARK NOBLE.