

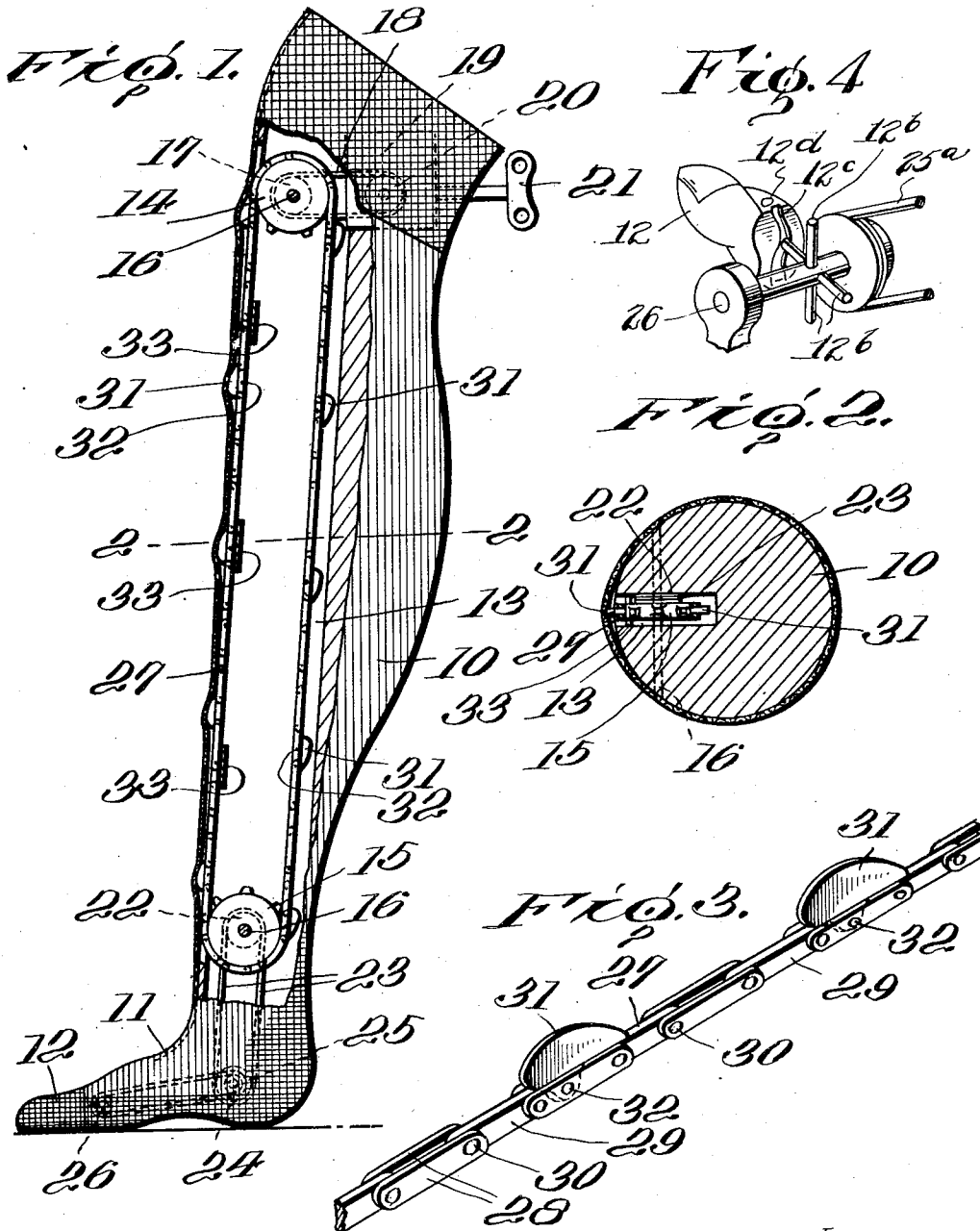
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STOCKING EXHIBITOR AND TESTER

Filed Feb. 13, 1926



INVENTOR

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UNITED STATES PATENT OFFICE.

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STOCKING EXHIBITOR AND TESTER.

Application filed February 13, 1926. Serial No. 88,094.

This invention relates to a stocking exhibitor for use in demonstrating the wearing qualities and appearance of stockings.

One of the objects of this invention is to provide a form for exhibiting the stocking in its distended condition. Another object is to provide means for demonstrating the wearing ability of a stocking and its freedom from the formation of ruinous runs. A further object is the provision of a stocking support for exhibiting purposes in which the stocking is exhibited under conditions of movement and strain to convince the prospective customer of its wearing qualities. With these and other objects in view as will appear in the course of the following specification there has been represented one form of execution of the device on the accompanying drawings, in which:

Fig. 1 is a side elevation of the device with a portion broken away to illustrate the moving elements.

Fig. 2 is a horizontal section substantially on line 2-2 of Fig. 1.

Fig. 3 is a perspective view of a portion of the chain.

Fig. 4 is a detail view on a larger scale of the mechanism for driving the wriggling toe.

It will be understood that this invention is an amplification of the mechanical demonstrating device upon which I have obtained United States Letters Patent No. 1,487,561 of March 18, 1924, and is preferably to be used in conjunction therewith. The device of the said patent related to means for moving or wriggling the toes of a form representing a whole foot to demonstrate the properties of the stocking at that point. The present device exhibits the full length of the stocking in distended condition and provides means for demonstrating the wearing quality of the stocking along the edge of the shin or forepart of the leg.

Referring to the drawings, the stocking form 10 is made of the same shape as a human leg and at its bottom passes into the form of a foot 11 which may have the movable toe portions 12 of the type set forth in my aforesaid patent. In the front edge of the leg, corresponding to the angle of the shin bone, a slot 13 is provided for substantially the length of the shin, to receive the two sprocket wheels 14, 15, which are

carried on the shafts 16 which pass through the body of the leg 10. The upper sprocket has keyed thereto a sprocket 17 which by means of a belt or chain 18, is driven from a clockwork mechanism 19 located at the upper portion of the leg and having the sprocket 20 to drive the belt or chain 18. A key 21 is provided for winding the clockwork mechanism 19. The bottom sprocket 15 has a smaller sprocket 22 keyed thereto which receives a belt or chain 23 which passes over the sprocket 24. This sprocket 24 is mounted upon a shaft 25, and serves as in the aforesaid Patent 1,487,561 by means of the belt or chain 25^a to drive the shaft 26 which produces a movement of the toe portion of the structure. The shaft 26 has a number of pins 12^b to engage in tortuous grooves 12^c in the rear surface of the toe 12. The toe 12 is pivoted about the pin 12^d in the manner shown in my aforesaid patent.

A chain 27 passes over the respective sprockets 14 and 15 and is guided between the walls of the slot 13 so that it may move upwardly and downwardly, and around these pulleys within this slot 13. As shown in Fig. 3, the chain comprises alternately the pairs of links 28 and the single links 29 which are respectively joined together by the pivot pins 30. At intervals along the chain are provided the stretching cams 31 which are fastened in the spaces between the double links by the pins 32. These stretching cams extend beyond the surface of the form 10 and out of the slot 13, so that they come in contact with the inner surface of a stocking placed upon the form, and as the chain is caused to move upwardly or downwardly at its front portion, they bear against and cause a wear upon the stocking, and in the event of a breakage in the knitted loops, will cause the extension of a run through the length of the garment.

In use, a stocking is stretched over the form in the usual manner, and the clockwork is wound up by means of the key 21. The device then begins to operate, and the clockwork 19 drives the sprocket 14 and causes the chain 27 to be moved upwardly or downwardly and draw its cams against the inner surface of the stocking opposite the shin, thus stretching the same and creating a wear upon the article. The lower shaft 16 and the sprocket 15 also permit

the driving of the toe wriggling system described in my aforesaid patent, so that a very interesting exhibit is presented, both from the point of view of having moving
5 elements, and as actually demonstrating the wearing qualities of the article exhibited.

Suitable guide members 33 to support the front portion of the chain may be disposed from point to point within the slots.

10 It is obvious that the invention is not limited to the specific form illustrated but may be modified within the scope of the appended claims.

I claim:

15 1. A garment exhibitor and tester comprising a form over which the garment may be stretched, means for exerting a further stretching effect locally upon the garment, and a mechanism to displace said means
20 from point to point of said garment.

2. A stocking exhibitor and tester comprising a leg-shaped form having a slot along the length of the shin, a stretching means within said slot, and a mechanism

to move said stretching means along said 25 slot.

3. In a stocking exhibitor and tester, a leg-shaped form to receive the stocking therearound and having a slot extending along the shin, a motor, sprocket wheels in
30 said slot, a chain passing over said sprocket wheels, stretching cams on said chain, and driving connections whereby said motor may cause said chain to move said cams along the length of the stocking. 35

4. In a stocking exhibitor and tester, a leg-shaped form having a foot attachment with movable toes, a motor, a chain driven from said motor and adapted to be moved
40 upward and downward within said form, stretching cams mounted on said chain and adapted to project beyond said form into contact with the inner surface of a stocking thereon, and toe-moving means driven
45 from said chain.

In testimony whereof, I affix my signature.

PETER R. HAMMES.