

E. S. JAROS.
ADVERTISING DEVICE.
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1,052,825.

Patented Feb. 11, 1913.

2 SHEETS—SHEET 2.

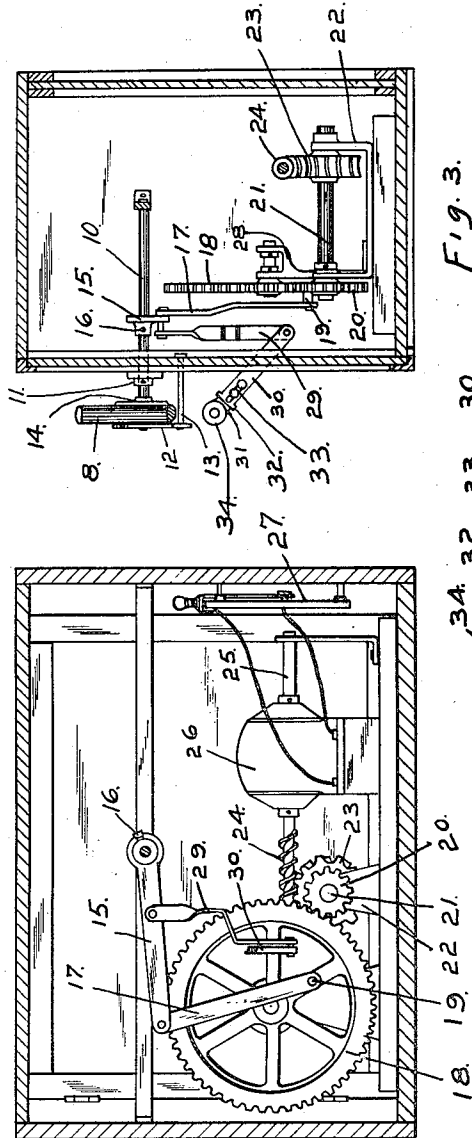


Fig. 3.

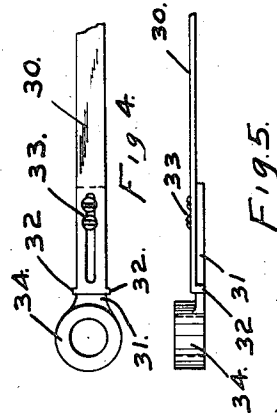


Fig. 4.

Fig. 5.

Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

ERNEST S. JAROS, OF COLUMBUS, OHIO, ASSIGNOR TO THE UNITED DEMONSTRATING MACHINE COMPANY, OF COLUMBUS, OHIO, A CORPORATION OF OHIO.

ADVERTISING DEVICE.

1,052,825.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ERNEST S. JAROS, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Advertising Devices, of which the following is a specification.

My invention relates to advertising devices and is particularly directed to the provision of a device which is operable to symbolically indicate to the observer the unusual length of wear of a piece of clothing.

The device is primarily adapted to the symbolical indication of the wearing quality of a stocking, being particularly directed to those points or parts of the stocking which are known to be subject to the greatest amount of wear, these parts being generally conceded to be the heel and the toe of the stocking.

My invention, therefore, contemplates the mounting of a pair of stockings upon artificial limbs and the subjection of the heel of one stocking and the toe of the other to blows of a hammer or sledge element which may be alternate or not, as desired. This hammering action may operate with one or with a pair of stockings and may be effected by various constructions of sledge elements. In conjunction with this hammering action and to complete the symbolism, I desirably utilize a registering device for visually indicating the number of blows which any stocking or pair of stockings has been able to withstand. The preferred manner of attaining these results is shown in the accompanying drawings, in which similar characters of reference designate corresponding parts, and in which—

Figure 1 is a front elevation of the advertising device in its preferred form, Fig. 2 is a longitudinal section of the operating mechanism for the advertising device, Fig. 3 is a transverse section of such operating mechanism, Fig. 4 is a detail view of an adjustable link which is utilized to render the registering device suitable or applicable to the operating mechanism independent of the form of such registering device and, Fig. 5 is an edge elevation thereof.

In the drawings, the casing which holds the operating mechanism is shown at 1 and mounted upon the exterior and forward face of such casing are artificial limbs 2 and 3 pivotally supported at 4 and 5 and in-

cased in stockings. These artificial limbs are desirably spaced apart and are limited in their inward movement toward each other by pins 6 and 7, being permitted an outward movement under force of a blow or blows produced by a swinging sledge 8 having a head 9 and pivotally mounted by being secured to a shaft 10 at an upper central point on the casing. The artificial limbs 2 and 3 are given this capability of outward movement so that the blows received by their heel and toe are converted into a rubbing action somewhat similar in its nature to the rubbing action ordinarily received by a stocking when being actually worn, which rubbing action eventually wears a hole in the heel or toe of the stocking.

The shaft 10 carries a collar 11 which limits the inward movement of the handle 8 of the sledge, such handle 8 being held against outward movement by the mounting on the extremity of the shaft of an indicating arrow 12 secured at its forward end to the casing 1 by a bolt 13. The purpose of this arrow will be hereinafter described. Carried by the collar and desirably formed integrally therewith is a boss 14 which insures oscillation of the handle 8 with the shaft 10. The shaft 10 has a crank arm 15 secured thereto by a set screw 16 and connected to the extremity of this crank arm is a pitman rod 17 eccentrically connected to the gear wheel 18 as at 19. This gear wheel 18 meshes with and is driven by a gear 20 mounted upon a shaft 21 journaled in a U-shaped bracket 22, such shaft being precluded from endwise movement in any preferred manner and carrying a worm wheel 23. This worm wheel 23 is under the control of and driven by a worm shaft 24 forming a part of the armature shaft 25 of a motor 26, driven by any suitable source of current supply and variable as to speed under the control of the rheostat 27 which may be of any desired form. It will be understood that the gear wheel 18 is supported in any preferred manner as by the bracket bearing 28.

The operation of my invention as thus far described is as follows: Rotation of the motor drives the shaft 21 and the intermeshing relation of the gears 20 and 18 causes slow rotation of the gear wheel 18. This rotatory movement is transformed by the pitman 17 and crank arm 15 into an oscillatory

movement of the shaft 10, which results in swinging the sledge element backward and forward. The relation of these parts is such that the movement of the sledge element is comparatively slow while at either end of its path of movement and is comparatively accelerated in its proximate approach to a central point. At either end of its path of movement, the head 9 of the sledge element strikes the artificial limb and in one case it strikes the heel, while in the other case it strikes the toe of the stocking. The outward movement of the artificial limbs, causes the head of the sledge element to continue its movement after first striking the heel or toe and there results a rubbing action as described.

Pivotaly depending from the crank arm 15 is a link 29 and connected to this link 29 is a lever arm 30 having a telescoping portion 31 which fits between ears 32 upon the body portion of the member 30 and which has a slot and screw connection therewith as at 33. This telescoping portion 31 is rigidly connected to a collar 34 and this collar 34 is desirably secured to the main shaft 35 of a register 36 of any preferred form. This register 36 is mounted preferably upon the outer face of the casing 1 and the lever 30 with its telescoping portion 31 extends through a slot 37 in the face of the casing.

In operation of the registering device, it will be seen that the oscillation of the crank arm 15 alternately lifts and lowers the link element 29 and thereby operates the lever 30 to register each complete reciprocation of the sledge element. The arrow, aside from its function of preventing outward movement of the sledge handle, serves to indicate to the observer the register and to induce him to observe the number of reciprocations. The device may be equipped with various forms of registers and the adjustable lever 30 is peculiarly efficacious in suit-

ing the intermediate leverage action to the particular type of register used.

It will be seen that I have provided a simple advertising device which has a novel operation and symbolically impresses the mind of the observer with the fact that the hosiery being displayed has great wearing qualities, such wearing qualities being plainly denoted by the fact that the hosiery has withstood a considerable number of rubbing blows.

What I claim, is—

1. An advertising device comprising an artificial clothed member, and means for imparting a series of blows, each blow being followed by a subsequent positively effective rubbing action.
2. An advertising device comprising an artificial clothed member, and means for imparting a series of positively effective rubbing blows to a portion of said member.
3. An advertising device comprising an artificial clothed member, and an element for imparting a series of positively effective rubbing blows to a portion of said member.
4. An advertising device comprising spaced artificial clothed limbs, and means for imparting a series of percussive rubbing actions to the toe of one and to the heel of the other of said limbs.
5. An advertising device comprising spaced artificial clothed limbs pivotally mounted and gravitatively controlled, an oscillatory element mounted between said limbs, and means positively controlling said element whereby said element imparts a series of percussive rubbing actions to each of said limbs.

In testimony whereof I affix my signature in presence of two witnesses.

ERNEST S. JAROS.

Witnesses:

WALTER E. S. BOCK,
A. L. PHELPS.