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P. BADOVINAC
POSTURE TRAINING DEVICE
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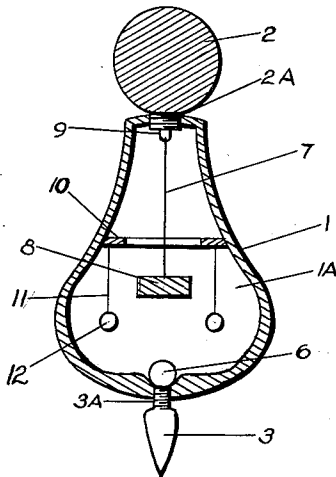


Fig. 1

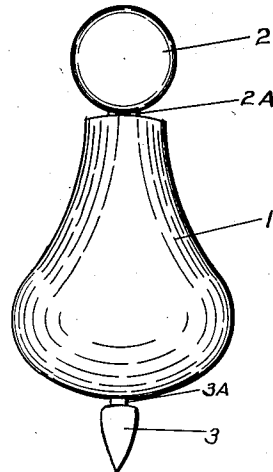


Fig. 2

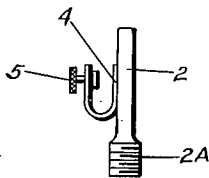


Fig. 3

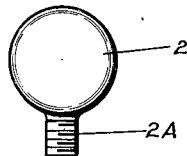


Fig. 4

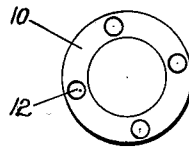


Fig. 5

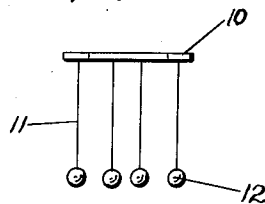


Fig. 6

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UNITED STATES PATENT OFFICE

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POSTURE TRAINING DEVICE

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2 Claims. (Cl. 35-29)

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My invention relates to new and useful improvements in posture indicators and devices.

The primary object of this invention is to provide a posture indicator in the form of an earring having a hollow metal body to be worn ornamentally for the purpose of serving as a posture indicator to the wearer.

A further object of the invention is to provide a posture indicator in the form of an earring adapted to inform the wearer of the assumption of an improper position of posture by means of a warning sounded when poor posture is assumed through the expedient of a suspended body within the hollowed portion of the earring which strikes a flexible means supporting any of four balls suspended adjacent to such body. This striking causes any of the balls to swing outward and contact the inner surface of the metal body of the device and to produce a bell-like warning signal or sound. The warning is given by the tilting of the earring out of a vertical position such as occurs when an improper posture is assumed by the wearer.

A further object of the invention is to provide a posture indicator of the class described adapted to warn a person of this posture by means of a freely rolling ball positioned in the hemispherical bottom of the hollow interior of the device. When the earring is tilted out of vertical position the ball rolls from its position of rest at the bottom of the interior and thereby warns the individual of his improperly assumed posture by the resulting generation of sound.

Other uses and advantages of the invention or device will become apparent through a reading of the description and reference to the drawings, in which:

Fig. 1 shows a vertical cross-sectional view in elevation of the device.

Fig. 2 is a perspective view in elevation of the device.

Fig. 3 is an edge view of that part of the device to which an ear clamp is secured.

Fig. 4 shows the top portion of the device to which an ear clamp is secured as illustrated in Fig. 3.

Fig. 5 is a top view of the part 10

Fig. 6 shows the four balls suspended from member 10 and illustrates the position of the balls in relation to member 10 by member 12 as shown in Fig. 5.

Referring to the drawings in detail: 1 illustrates the hollow body of the device as viewed in cross-section in Fig. 1, and directly in Fig. 2. 1A is the enclosed hollow space of the device, 2 is

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the top section of the device and is connected with the body of the device by the threaded neck 2A, 5 is a screw adjusted clamp attached permanently to 2 at 4, 3 is the lower pendant part secured to the body of the device by the threaded neck portion 3A, the ball 6 is freely disposed within the hollow portion of 1 and retained therein by the upper neck 3A when member 3 is screwed into the bottom of 1, the disc body 8 is suspended by the flexible means of support 7, support 7 being attached at 9 and depending through the opening 10 allowing 8 to swing freely in any direction, 12 are balls supported by the flexible means 11 from element 10 and are caused to be actuated by the striking of the supports 11 with element 8, such striking causing any or all of the balls 12 to contact the hollow metal body 1 and to generate a bell-like warning sound whenever the earring is tilted out of the vertical position characteristic of proper posture assumed by the wearer.

The device as shown and described embodies novel features and is of simple construction and operation. Ornamental in design, the device is attached to the ear of the wearer by the screw adjusted clamp 5. Coincident to the disc 8 striking any or all of the balls 12 (through contact with their flexible support) which in turn strike the hollow metal body to produce a warning sound, the ball 6 leaves the bottom receptacle of the device and roll along the inside surface of the hollow body to produce another distinct warning sound whenever the device is tilted out of the vertical position by improper posture of the wearer. The device is efficiently operated with both the swinging body 8 and the rolling ball 6, or with either one of same with equivalent results.

The device is preferably constructed of metal for satisfactory sound effect, the hollow body possibly being formed by the soldering, the use of adhesives or pressing together of half bodies so that the element 10 may be placed within the device by soldering or other suitable adhesive or mechanical attaching means. The parts 2 and 3, however, may be manufactured of different suitable materials and in colors if desired.

While I have shown the device in a useful form, adaptations in its use may necessitate modifications without departing from the basic features or spirit of the invention.

What I claim as new is:

1. A posture warning device comprising a hollow metal body, a flat circular formed part with an extended neck adapted to be attached at the upper extremity of said body, a clamping means fixed permanently on the one side of said flat

part, a disc-like body centrally suspended by flexible means of support within said hollow metal body, and a number of balls suspended by flexible supporting means circumferentially around said centrally suspended body, said centrally suspended body being free to swing and impinge upon the flexible means of support of said circumferentially supported balls causing same to strike the inner surface of said hollow metal body.

2. A posture warning device as described in claim 1 comprising a pendant part attached in the central portion of the bottom of said hollow metal body, the inner end of said pendant member forming a receptacle for a freely movable ball, and said ball adapted to roll out of said receptacle and over the inside surface of the lower section of said hollow metal body.

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