

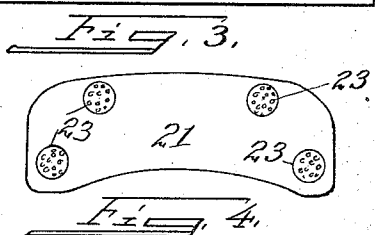
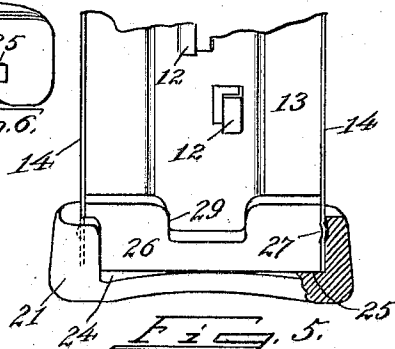
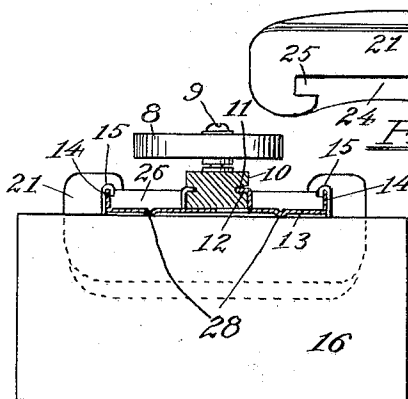
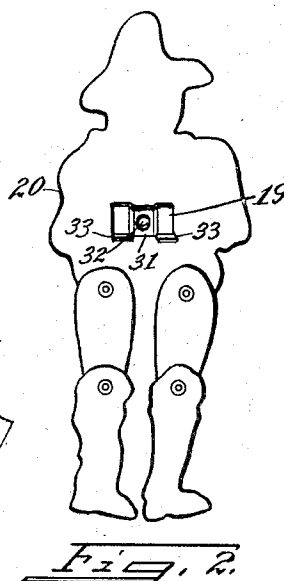
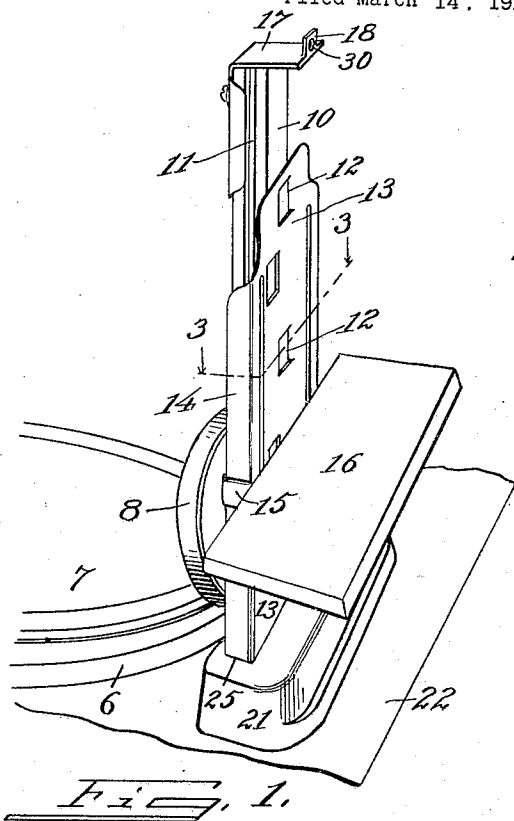
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E. L. DODSON ET AL

1,490,601

FIGURE TOY ATTACHMENT FOR DISK PHONOGRAPHS

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UNITED STATES PATENT OFFICE.

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FIGURE-TOY ATTACHMENT FOR DISK PHONOGRAPHS.

Application filed March 14, 1921. Serial No. 452,200.

To all whom it may concern:

Be it known that we, EDWIN L. DODSON and HENRY GEORGE PELSTRING, both citizens of the United States of America, and residents of Covington, in the county of Kenton and State of Kentucky, have jointly invented a certain new and useful Improvement in Figure-Toy Attachments for Disk Phonographs, of which the following is a specification.

This invention relates to figure-toy attachments for disk phonographs and, more particularly, to the figure-toy device for which Letters Patent No. 1,294,243 was granted to us February 11, 1919, its object herein being mainly to provide a heavy or weighty base that is not directly fastened nor permanently secured to the sounding-board of the phonograph, but is otherwise provided with a trimmed sponge-rubber bottom, of one or more pad-pieces, that takes a ready gravity friction and suction hold upon and with the upper face of said sounding-board and on which latter the figure-toy device simply rests, with its driving-wheel in frictional-contact with the marginal edge of the disk-record or with that of the turntable, as desired, and without chance or liability of the said base to move, shift, or slip away from its proper place for action on the sounding-board, when once put or placed there, subject to ready release or removal bodily, by lifting it upwardly when not to be used. Another feature of the invention herein is embodied in the peculiar manner of securing the platform and toy supporting-upright in the said heavy or weighty base, whereby a firm and substantial joint is effected and without liability to work loose or part in use.

In the accompanying sheet of drawings, Figure 1 is a fragmentary perspective view of the attachment, omitting the toy-figure; Fig. 2, a rear elevation of the toy-figure; Fig. 3, a sectional plan, taken on the dotted-line 3, 3, of Fig. 1, showing the platform and its supports, together with the driving-wheel of the figure-toy attachment but omitting the disk-record and turn-table; Fig. 4, a bottom plan view of the said heavy or weighty base and its special form of sponge-rubber pads or cushions embodying the principal feature of the invention herein; Fig. 5, a rear, vertical perspective view showing the peculiar structure of the said weighty base and its special form of joint (shown in

section) with the platform supporting-upright, the latter being broken off about mid-height; and Fig. 6, a plan view of the said weighty base, taken by itself, but omitting the wedge-bar thereof.

6 indicates the turn-table and 7 the disk-record, with a rubber-faced driving-wheel 8 in frictional-contact with the margin of said turn-table and mounted to rotate or turn eccentrically on a bearing pin or screw 9 at the lower end of the shuttle 10. The shuttle 10 has vertical side-grooves 11 that engage the guide-lugs 12 on the back of the supporting-upright 13, the latter having along its opposite side-edges angular rear flanges or guides 14 for the slidable-engagement of the hook-arms 15 located near the opposite ends of the platform 16.

The said shuttle 10 has at its upper end a suitably adjustable forwardly-projecting angle-arm 17, whose upturned outer end 18 is adapted to detachably-engage the rear-plate 19 on the back of the toy-figure 20, for supporting the latter in dangling and performing position over the said platform.

21 indicates the base for supporting the upright or pedestal 13 so that the driving-wheel 8 shall duly engage the marginal edge of either the disk-record or that of the turntable, as occasion may require. This base is a heavy or weighty one, ordinarily capable of sustaining itself, by its own gravity mainly, on the surface of the sounding-board 22, but, in order to make doubly-sure of holding said base from moving or shifting on the sounding-board, when the device is to be used, a multiple of thinly-cut sponge-rubber cushions or disks 23 is provided on the bottom of the base, as best shown in Fig. 4, such thin cushions or disks being preferably of sponge-rubber, as stated, but with the rubber trimmed or cut straight across its grain to impart to it the best attainable friction or suction holding powers or qualities that will not permit any sliding, slipping or creeping of the base from its once put or set position for performing use of the figure-toy device.

The weighty base is thus not mechanically-secured to the sounding-board as in said former patent but it simply rests or sits thereon and clings thereto, free, however, to be easily lifted therefrom in a vertical manner, whenever desired, but not shiftable nor movable, otherwise, at all. Besides, the base in the said former patent was only a thin sheet-metal plate having but little weight

that necessitated additional securing means in the shape of screws that meant expense in time and material, to apply and remove to and from holes made in the sounding-board that was objectionable to and not really fancied at any time by the owner and user of the phonograph. The weighty base herein is very readily adjusted to working-place on the sounding-board by simply lifting it at any time that it is desired to use the figure-toy on the phonograph, and just as readily removed, by lifting it again, when the toy is not wanted, no screws nor tools of any kind being necessary. The surface of the sounding-board is thus not injured in the least when our special kind of pads or cushions 23 is used on the bottom of our said weighty base 21 and they further prevent or obviate any undue vibration, rattling or humming of the device on the sounding-board that would otherwise be detrimental thereto.

The said weighty base is preferably in the nature of an iron block having a rear cavity or recess 24 opening upwardly and with side notches or pockets 25 at its opposite ends for receiving the lower, side-flanged end of the supporting-upright or pedestal 13, a wedge-bar 26 being driven into place in the recess 24, with its opposite ends in engagement with the said lower side-flanged end of the supporting-upright or pedestal 13 and the notches 25, to tightly hold and sustain the upright member 13 in firm and secure place against removal or looseness in use.

The indentations 27 are still further provided in the lower ends of the side-flanges of the said upright member 13, as best shown in Fig. 5, as well as in the sheet-metal body-portion, at 28, in the lower end of said member 13, as shown in Fig. 3, for augmenting the frictional hold or engagement of the joint made by the embedding of the said lower end of member 13 in the recessed base-block 21. A deep notch or cavity 29 is provided in the upper edge of the said wedge 26 to make due allowance for the bottom or lower end of the stroke of the shuttle 10 in its reciprocal movements up and down the back of the supporting-upright or pedestal 13.

The figure-toy is made readily attachable and detachable by means of any ordinary snap-button form of device, one good form, however, being embodied in the upturned tongue 18 of the angle-arm 17 that has a round protuberant or button portion 30 and which is adapted to engage the raised middle-portion 31 of the back-plate 19, with said button-portion 30 in socketing-relation with an orifice 32 at the center of said back-plate.

The said middle-portion of the back-plate is somewhat resilient so that the button-portion 30 of the tongue 18 may snap into latching-place in the orificed center thereof. At the lower edge of the back-plate 19 we provide a pair of spaced lugs or short flanges 33 that bear freely upon the upper face of the angle-arm 17, at both the vertical edges of the tongue 18, to permit the figure-toy to rock or fulcrum on said angle-arm 17 during the dangling-performance of the figure-toy and thus form a part of such performance, and at the same time to enable the snap-button device to be closed and parted for the attachment and detachment of the figure-toy.

We claim:—

1. In a figure-toy attachment for disk-phonographs, a pivotally-jointed toy-figure, a supporting upright or pedestal, a vertical shuttle adapted to reciprocally-slide on the said pedestal, an eccentrically-mounted friction-wheel on the said shuttle adapted to be rotated or driven by contact with the disk-member or with the turn-table of the phonograph, a heavy or weighty base-block having a recess provided with end notches or pockets and adapted to anchor and carry the said pedestal, one or more thin, cross-cut sponge-rubber plane disks or friction-pads stuck to the underside of the said base-block and adapted to hold the entire figure-toy device against shifting on the sounding-board of the phonograph, and a wedge bar or block whose opposite ends engage said end-notches in the recess of the base-block and serve to securely hold or anchor the lower end of the pedestal in the base-block, substantially as shown and described.

2. In a figure-toy attachment for disk-phonographs, a pedestal, a vertically-reciprocating shuttle on said pedestal, a figure-toy, a snap-button connection for detachably-mounting the figure-toy in dangling or wiggle-performing position on the shuttle and such snap-button connection comprising a vertically-adjustable forwardly-projecting arm provided at the upper end of the shuttle and having at its outer end an upright tongue-formation, a protuberance on said tongue-formation, and a transverse plate mounted on the back of the figure-toy and having a raised and orificed resilient center and a flanged lower edge, whereby the said figure-toy may be rocked sidewise on its said snap-button connection, for both attachment and release, and, also, to allow a vibratory sidewise movement to the figure-toy, substantially as shown and described.

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