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E. ZAKOS

2,603,357

SUPPORTING DEVICE

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FIG. 1

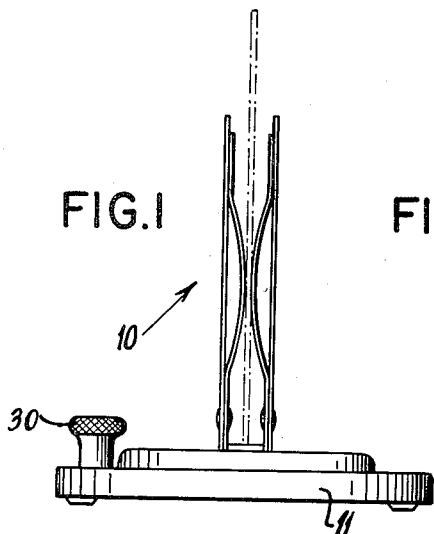


FIG. 2

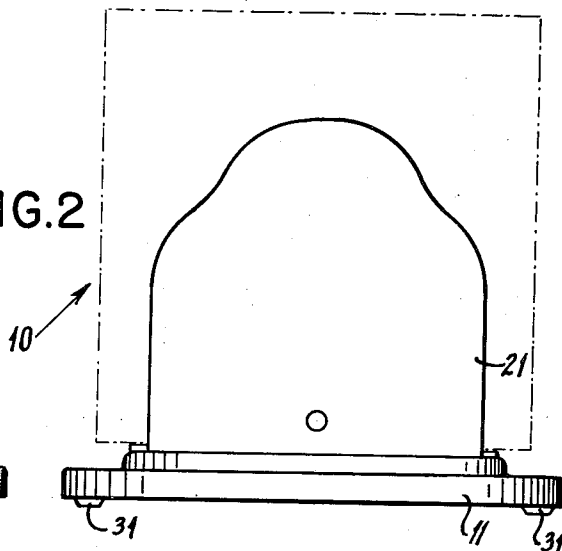


FIG. 3

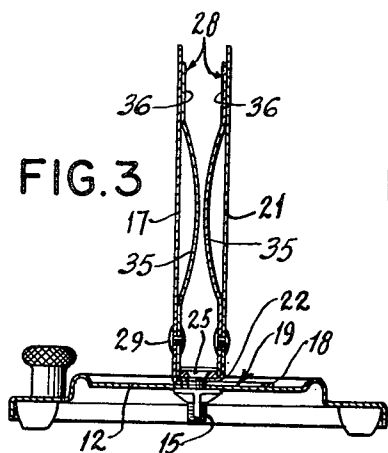


FIG. 4

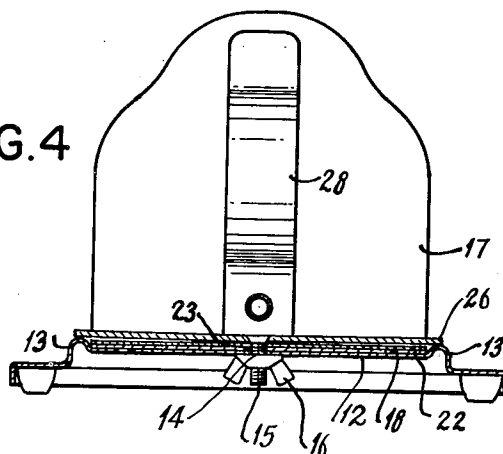
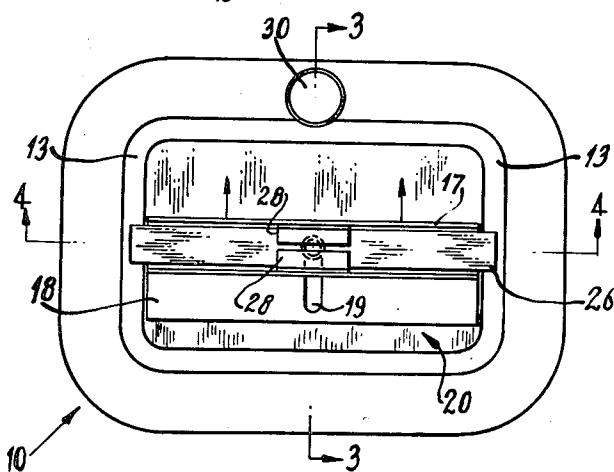


FIG. 5



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2,603,357

SUPPORTING DEVICE

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1 Claim. (Cl. 211—43)

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This invention relates to improvements in supporting devices for display cards and books, and an object of this invention is to provide a device having a base and two L-shaped supporting members and means for adjusting the L-shaped members on the base to resiliently support a card or book in upright position.

Another object of this invention is to provide parallel ribs forming a guideway on the base and L-shaped members having legs fitting in the guideway, one of the members having a slotted leg resting on the platform while the other member has an aperture, and to provide a bolt passing through the aperture and through the slot to secure the members in adjusted relation from each other.

Another object of this invention is to secure a spring to each upright wall and facing each other to press against the supported article from opposite sides and to provide an elongated platform member having end portions resting on the ribs and being integral with the head portion of the bolt, whereby, when the bolt is tightened, the platform is slightly bent into engagement with the legs to frictionally clamp both legs while providing a continuous supporting surface extending the entire width of the angles to prevent damage to the lower surface of the supported article.

With the above and other objects in view, the invention will be hereinafter more particularly described, and the combination and arrangement of parts will be shown in the accompanying drawings and pointed out in the claim which forms part of this specification.

Reference will now be had to the drawings, wherein like numerals of reference designate corresponding parts throughout the several views, in which:

Figure 1 is an end view of the supporting device.

Figure 2 is a front elevation of the supporting device shown in Figure 1.

Figure 3 is a central cross-sectional view, taken on line 3—3 in Figure 5.

Figure 4 is a cross-sectional view taken on line 4—4 in Figure 5.

Figure 5 is a plan device of the supporting device.

In the illustrated embodiment of the invention, the numeral 10 indicates a supporting device for cards or books and comprises a hollow body 11 at the upper surface 12 of which is a rectangular arrangement of upwardly extending ribs 13 lying in parallel planes.

The central portion of the upper surface 12 has

an aperture 14 through which a bolt 15 passes and has a wing nut 16 threaded thereon below the upper surface 12.

Mounted on the upper surface 12 is an L-shaped member 17 having its lower leg 18 resting on the upper surface 12 and with the bolt 15 freely passing through a slot 19 in the lower leg 18.

The width of the L-shaped member 17 is sufficient to contact the ribs 13 and be freely slidable between the ribs which form a guideway 20. Mounted in the guideway 20 is a fixed L-shaped member 21 having its lower leg 22 above the lower leg 18 of the L-shaped member 17. The lower leg of the L-shaped member 17 has an aperture 23 through which the body bolt 15 freely passes.

It is to be noted that the bolt 15 has a tapering head 25 and that a narrow elongated platform member 26 which has its end portions resting on the guideway ribs 13 is integral with the head portion of the bolt 15.

It is also to be noted that the platform 26 when in supported relation on the ribs 13 is slightly spaced from the leg 22 of the L-shaped member 21 and that when the bolt is tightened the elongated platform 26 is bent into clamping engagement with the legs of the L-shaped members and frictionally clamps both legs of said members in slidable relation. The platform 26 provides a continuous supporting surface extending the entire width of the L-shaped members 17 and 21 to prevent damage to the lower surface of an article resting on the platform.

A particular function of this invention is the ability to adjust the slidable L-shaped member 17 to or away from the fixed L-shaped member 21 so as to vary the distance between the upright legs of these L-shaped members and to support articles such as books of varying thickness. It will be seen that with the structure as shown, the slidable L-shaped member 17 may be moved into adjusted relation from the fixed L-shaped member 21, as indicated by the arrows in Figure 5. The user may grasp the upright leg of the slidable L-shaped member 17 and move it to or from the upright leg of the fixed L-shaped member 21 without requiring any adjustment of the wing nut 16 below the surface 12. Leaf springs 28 having arcuate midportions 35 facing each other are secured by rivets 29 to the lower portions of the L-shaped members 17 and 21 and may slide at their flat upper ends 36 against these members and serve for resiliently gripping an article from opposite sides. A handle 30 may serve for mov-

ing the supporting device 10 on a table, etc. Rubber cushions 31 may be suitably secured below the body 11 to prevent scratching up the table.

In accordance with the patent statutes I have described and illustrated the preferred embodiment of my invention, but it will be understood that various changes and modifications can be made therein without departing from the spirit of the invention as defined by the appended claim.

I claim:

An adjustable supporting device comprising a hollow base having a bolt passing through an aperture located centrally of the base, said bolt having threadable adjustment means below said base, a first L-shaped member having its lower leg slotted, said lower leg being slidable on said base, a second L-shaped member having its lower leg resting on the lower leg of said first L-shaped member, said bolt freely passing through the slot in said first L-shaped member and through an aperture in said second L-shaped member whereby the spacing between the upright legs of the L-shaped members may be varied, an upright leaf spring on each L-shaped member, each spring comprising an arcuate portion with one end secured to the inwardly disposed face of the upright leg of its respective L-shaped member and the other end being slidable on the upright leg upon compression of the arcuate portion of the leaf spring, said L-shaped members being adjustable between a position wherein the arcuate portions of opposed leaf springs are in substantially confronting relation for the gripping support of an article of single card-like thickness and a position wherein the arcuate portions of the leaf-springs are spaced for the reception of an article or articles of greater thickness, said base being provided with parallel up-

wardly extending ribs forming a guideway for the slotted L-shaped member, an elongated platform member disposed over the lower legs and between the upright legs of the L-shaped members, said platform member having end portions resting on said ribs, said ribs being of a height slightly greater than the combined heights of the lower legs of the two L-shaped members, said platform being resilient and integral with the head portion of said bolt, whereby through the medium of the threaded bolt adjustment means below the base, said platform may be drawn from a position wherein it does not contact the lower leg of the second L-shaped member thus permitting adjustment of the spacing between the uprights of the L-shaped members, to a contacting position wherein said legs are frictionally secured in a selected position.

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