June 2, 1959 C. W. HART 2,888,976

SEAT DEVICE

Filed March 24, 1955

Fig. 1.

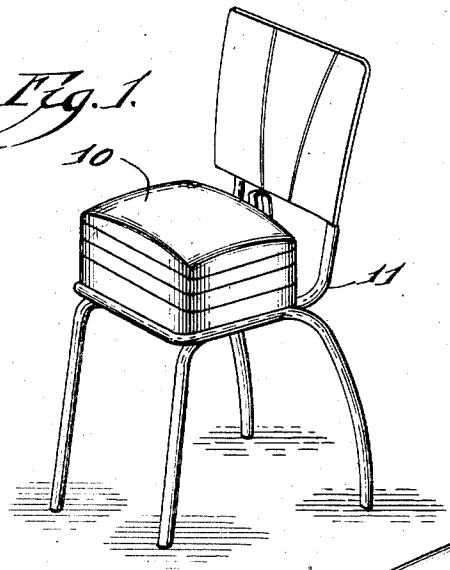


Fig. 3.

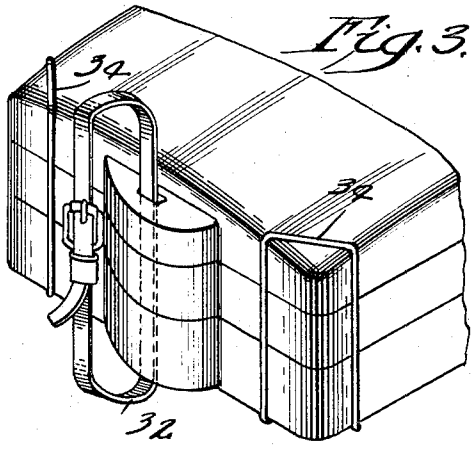


Fig. 2.

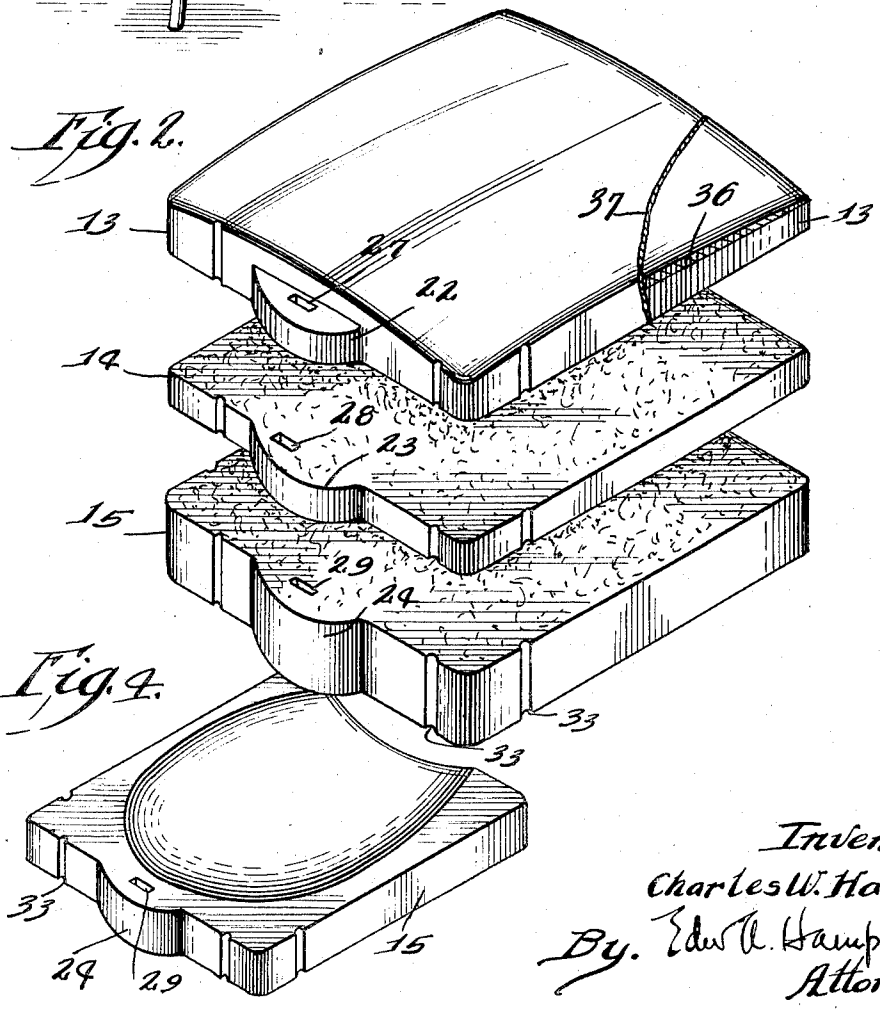


Fig. 4.

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SEAT DEVICE

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2 Claims. (Cl. 155—88)

This invention relates to a seat device, actually and primarily an auxiliary seat, adjustable as to effective height and primarily for use by children.

The seat device hereof, however, has many uses, not specifically limited to use by children, but is of general utility as will hereinafter appear.

This seat device may serve as an auxiliary or adjustable seat, in combination with a conventional chair or an automobile seat, or other more or less conventional seating device.

The seat device hereof may also be used alone as a hassock type seat. The seat device in any use, as it is made up of a plurality of cooperating layers or lamina, is in effect adjustable to various heights as may be desired.

Generally described, the seat device in its preferred form comprises a three-layer construction of substantially square units of suitable material and preferably of such thickness that in the use of one, two or all three in stacked relation, a seat device of varying and desired height may be provided. Details of the preferred construction will hereinafter be disclosed.

The principal object of this invention is the provision of a seat device which is adjustable or possibly, more accurately, is capable of arrangement to provide seating of differing heights.

A further object is to provide a seat device of wide usefulness and adaptability. Other objects are to provide such a device which is light in weight, simple in construction, but which, however, is sturdy and relatively simple and cheap to produce.

The invention hereof is disclosed in the accompanying drawings, in which—

Figure 1 is an elevation in perspective showing the device positioned on an ordinary chair;

Figure 2 is what might be termed an exploded view, in perspective, a portion broken away and in section;

Figure 3 is an enlarged perspective view of a portion of the assembled device; and

Figure 4 is a perspective of a part of a unit.

In the drawing the seat device is designated in its entirety by numeral **10**, shown in Figure 1, as positioned on a straight chair **11** of the type ordinarily referred to as a dining room or dinette chair. It is to be understood that the showing of the seat device **10** as positioned on chair **11** is merely representative and that the seat device **10** may be positioned on any other type of chair, on an automobile seat, or on the floor to provide seating at a desired height. The desired height may be obtained by appropriate and suitable combination of the elements which make up the seat device **10**.

By way of example, seat device **10** is shown as made up of three cooperating elements or parts **13**, **14** and **15**. Each of these parts **13**, **14** and **15** are preferably of the same dimensions, except as to height, so that they will stack evenly. The height of the parts preferably differ so

that by different combinations differing over-all heights or seat adjustment may be obtained.

A preferred size of elements is about 12½ to 13 inches square but could just as well be anywhere from between about 10 to 16 inches square. If desired the individual parts may be round or of disc shape, or rectangular, or of other desired shape. In any case the dimensions of these parts are to be such that they will seat on the chair or the like with which they are to be used and will provide comfortable seating area.

The parts or layers **13**, **14** and **15** are preferably of different heights so that the parts in various combinations will afford seatings of desired height. If these parts are respectively of heights of 1 inch, 1 inch and 2 inches, the three of these parts **13**, **14** and **15**, when stacked on a chair seat, will raise the seat by 4 inches, a single 1 inch part will, of course, raise the seat by 1 inch, the two 1 inch parts, stacked, by 2 inches, and a 1 inch part stacked with the 2 inch part will raise the seat by 3 inches. The combination of units, as described, selectively stacked as explained, provide seating selectively 1, 2, 3 or 4 inches high.

While the seat device has been described as made up of three parts, it may alternatively be comprised of a greater or even less number of parts, say, from 2 to 5. A single seat part would not provide for any height variation. More than five parts would be cumbersome and tend to be unwieldy.

The individual parts of seat device **10** are preferably made of fiber board of the type ordinarily referred to as fiber insulating board. Such board is reasonably firm and provides a degree of resilience. It is of light weight and of relatively low cost and admirably adapted to the purpose.

By way of example, each of parts **13**, **14** and **15** may conveniently comprise a block of fiber insulation board, say 12½" x 12½" and of thicknesses say, 1", 1" and 2", respectively.

Each of the parts **13**, **14** and **15** is formed with similar lugs or projections **22**, **23** and **24**, each provided with a similar slot or opening **27**, **28** and **29**. A suitable member such as strap **32** may be passed through slots **27**, **28** and **29** to retain the group of parts **13**, **14** and **15** in assembled relation. Alternatively, slots **33** may be provided in the edges of the parts **13**, **14** and **15** and an elastic band **34** may be applied to hold the parts assembled.

Preferably the top seat part **13** is provided with a foam rubber or felt layer designated at **36** and this is suitably covered with an upholstery fabric or sheet plastic or the like **37**.

All the surfaces of parts **14** and **15** and edges and bottom of parts **13** are preferably covered or coated with a suitable non-skid or non-slip compound, numerous of which are readily available. Most of such compounds have a rubber or rubbery base, suitable solvent, and a finely divided filler, and a coating of which dries to a non-slipping skin or surface coating.

A coating of such friction or non-slip composition on the supporting surfaces of the parts of the seat will assure that they do not slip in use.

Since many chair seats and the like are formed slightly convex, if desired the bottom surfaces of units **13**, **14** and **15** may be formed with a slight concavity, as indicated in Figure 4 where such formation is shown. Such construction will assure firm contact of the auxiliary seat on the chair seat, or like, on which it may be placed.

The auxiliary seat above described displaces the telephone directory as a makeshift seat elevator for bringing little Percy's mouth above the edge of the dinner table when he visits grandma. Such makeshift is dangerous. The telephone book or Sear's catalog, or the like, usually

has more or less slippery surfaces and may slide little Percy onto the floor, and in addition the book available is seldom of the thickness to afford proper elevation.

The seat of the invention overcomes the deficiencies of makeshifts as referred to and provides seating readily adjustable as to height which is safe and which is cheap and simple to manufacture. The seat device hereof may be used on an ordinary chair or any relatively flat surface of sufficient area, as, for example, as a hassock on the floor. In any use, however, by the use of the various combinations of the various parts a seat height as desired may be obtained.

The invention hereof having been fully described, I claim:

1. A seat device of selective varying overall height comprising a plurality of independent stacking blocks of fiber insulation board assembled in superimposed relation, each block of substantially equal and approximately square area, at least one unit of the plurality of blocks differing in thickness from that of another unit of such plurality of blocks, each such block similarly positioned and adjacent an edge thereof provided with a slot extending through the thickness of the block, a face of a unit of the plurality of blocks shaped to concave form and approximating the general convexity of surface usual to dining room chair seats, the concave form of the face of the block extending substantially to but not entirely to three of the edges of the substantially square unit whereby an upstanding flange-like portion bounds the concavity along three of the edges of the unit, another unit of a set provided with an upholstered surface and securing means of cross section substantially of the cross section of said slots extending through the slots of the superimposed assembly of blocks and restraining displacement of the blocks of an assembly, one with respect to another thereof.

2. A seat device of selective varying overall height comprising a plurality of independent stacking blocks of fiber insulation board assembled in superimposed relation, each block of substantially equal and approximately

square area, at least one unit of the plurality of blocks differing in thickness from that of another unit of such plurality of blocks, each such block similarly positioned and spaced from a corner formed by contiguous side edges thereof slotted, the slots extending from face to face of the unit, a face of a unit of the plurality of blocks shaped to concave form and approximating the general convexity of surface usual to dining room chair seats, the concave form of the face of the block extending substantially to but not entirely to three of the edges of the substantially square unit whereby an upstanding flange-like portion bounds the concavity along three of the edges of the unit, another unit of a set provided with an upholstered surface, and securing means positioned in said slots and extending across the top and bottom faces of the stack of superimposed blocks and securing the blocks as a unit.

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