FURNITURE LEG BUILD UP

Filed Nov. 4, 1957

Fig. 1.

Fig. 2.

Fig. 3.

Fig. 4.

INVENTOR.

Robert M. Martin

BY.

M. Talbert Dick

ATTORNEY.
This invention relates to a progressive furniture leg build up device and more particularly to interlocking feet for elevating the two rear legs of a bed.

It is generally known that healthful benefits are obtained by spending at least a period each day with the upper portion of the body at a lower horizontal plane than the normal lower portion of the body. Obviously, without the head area at such lower level, more nourishing blood than normal is directed to the upper part of the body. Certain muscles, the eyes, the skin, and even the brain, are stimulated. Many practice this procedure by reclining on a declining board for a few minutes each day. This, however, takes valuable time and does not have comfort. Furthermore, the time period is so short that progress cannot be made in increasing the angle of decline from the horizontal.

Therefore, one of the principal objects of my invention is to provide a means for elevating the rear end of a bed so that the user of the bed may obtain the beneficial results of reclining with the upper portion at a lower level while sleeping and without taking any time out of the person's waking hours.

A further object of this invention is to provide a means that permits the selective progressive elevation of the rear end of a bed.

More specifically, the object of this invention is to provide a plurality of interlocking ring feet that are adapted for selective use under the two rear legs of a bed for raising the rear end of the bed to a required height.

A still further object of my invention is to provide a furniture leg elevator means comprising a plurality of interlocking plates that prevent the leg from accidentally slipping therefrom.

Still further objects of my invention are to provide a furniture leg elevator means that is economical in manufacture, durable in use and refined in appearance.

These and other objects will be apparent to those skilled in the art.

My invention consists in the construction, arrangement, and combination, of the various parts of the device, whereby the objects contemplated are attained as hereinbefore fully set forth, specifically pointed out in my claims, and illustrated in the accompanying drawings, in which:

Fig. 1 is a perspective view of four of my interlocking feet plate rings,

Fig. 2 is a side view of a stack of my interlocking ring plates with sections cut away to more fully illustrate their construction,

Fig. 3 is a side view of the rear end of a bed using one of my elevating interlocking ring plates under each of its legs, and

Fig. 4 is a side view of the rear end of a bed using three of my interlocking ring plates under each of its legs.

While I have explained my device as used under the legs of beds, obviously they may be used to elevate other types of devices and furniture.

In the drawings I use the numeral 10 to designate a bed having rear legs 11. Any desired number of my ring foot plates may be placed under each of the rear legs 11. In use, it is customary to start with only one foot plate under each of the rear legs 11, then after a few weeks another foot plate is added, and this procedure is continued until the rear end of the bed is at considerable height above its front end. This progressive elevation is desirable because a new user would not be conditioned for extreme angular rest an entire night. I have used the numeral 15 to generally designate each of my plates.

Each lift or plate is an exact duplicate of the others, except into the open bottom of the lowermost one I insert a base plate 16. This base plate has a foot portion 17 that extends into the bottom of the lowermost plate and a rim flange portion 17 that extends outwardly from under and beyond the periphery of the plate to which it is secured, as shown in Fig. 2. The plates 15 are fabricated from metal, plastic, or like, and are in general inverted shell cups. These plates are circular and each has a shallow well 18 in its top. In use, the lower end of the leg of the bed is placed in this well 18 of the uppermost plate, as shown in Fig. 4.

The circular lower skirt wall portion of each plate 15 is designated by the numeral 19. The circular upper skirt wall portion of each plate 15 is designated by the numeral 20 and is of a diameter less than that of the diameter of the lower skirt 19, thereby producing a ring shoulder 22 between the skirt portion 20 and the skirt portion 19, as shown in Fig. 3. The outside diameter of the skirt portion 20 is substantially that of the inside diameter of the skirt portion 19. The skirt portions 19 and 20 are vertical. Therefore, if one plate is placed onto another plate, the uppermost plate will have its skirt wall 19 embracing the upper skirt wall 20 of the plate below it, and the bottom marginal rim of its skirt 19 will engage and rest upon the collar 25 of the lower plate, as shown in Fig. 2. This nesting structure makes it possible to build up the lift to any desired number.

Also, the nesting of the plates stabilizes the stack into a locked unit without any lateral movement of any plate relative to its other associated plate or plates. By making the plates of inverted shell structure, they are light of weight and economical to manufacture and very strong.

Some changes may be made in the construction and arrangement of my furniture leg building up without departing from the real spirit and purpose of my invention, and it is my intention to cover by my claims, any modified forms of structure or use of mechanical equivalents which may be reasonably included within their scope.

I claim:

1. In a furniture or like leg build up, a plurality of interlocking nesting foot plates, each comprising an inverted cup shell having a depression in its top, a lower skirt wall portion, an upper skirt wall portion having a diameter less than that of the diameter of the lower skirt wall portion, and a shoulder between said lower skirt wall portion and said upper skirt wall portion whereby the upper skirt wall portion is capable of entering the lower skirt wall portion to a plate above it and its lower skirt wall portion is capable of engaging the shoulders of a plate below it.

2. In a furniture or like leg build up, a plurality of interlocking nesting foot plates, each comprising an in-
3. A vertically inclined circular cup shell having a depression in its top, a lower circular skirt wall portion, an upper circular skirt wall portion having a diameter less than that of the diameter of the lower skirt wall portion, and a circular shoulder between said lower skirt wall portion and said upper skirt wall portion whereby the upper skirt wall portion is capable of entering the lower skirt wall portion of a plate above it and with the lower marginal edge of its lower skirt wall portion capable of engaging the shoulders of a plate below it.

5. In a furniture or like leg build up, a plurality of interlocking nesting foot plates, each comprising an inverted circular cup shell having a depression in its top, a lower circular skirt wall portion, an upper circular skirt wall portion having a diameter less than that of the diameter of the lower skirt wall portion, and a circular shoulder between said lower skirt wall portion and said upper skirt wall portion whereby the upper skirt wall portion is capable of entering the lower skirt wall portion of a plate above it and with the lower marginal edge of its lower skirt wall portion capable of engaging the shoulders of a plate below it.

References Cited in the file of this patent

UNITED STATES PATENTS

<table>
<thead>
<tr>
<th>Patent Number</th>
<th>Inventor</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,798,272</td>
<td>Phillips</td>
<td>Mar. 31, 1931</td>
</tr>
<tr>
<td>1,981,627</td>
<td>Merriman</td>
<td>Nov. 20, 1934</td>
</tr>
<tr>
<td>2,366,867</td>
<td>Nichthauser</td>
<td>Jan. 9, 1945</td>
</tr>
</tbody>
</table>