

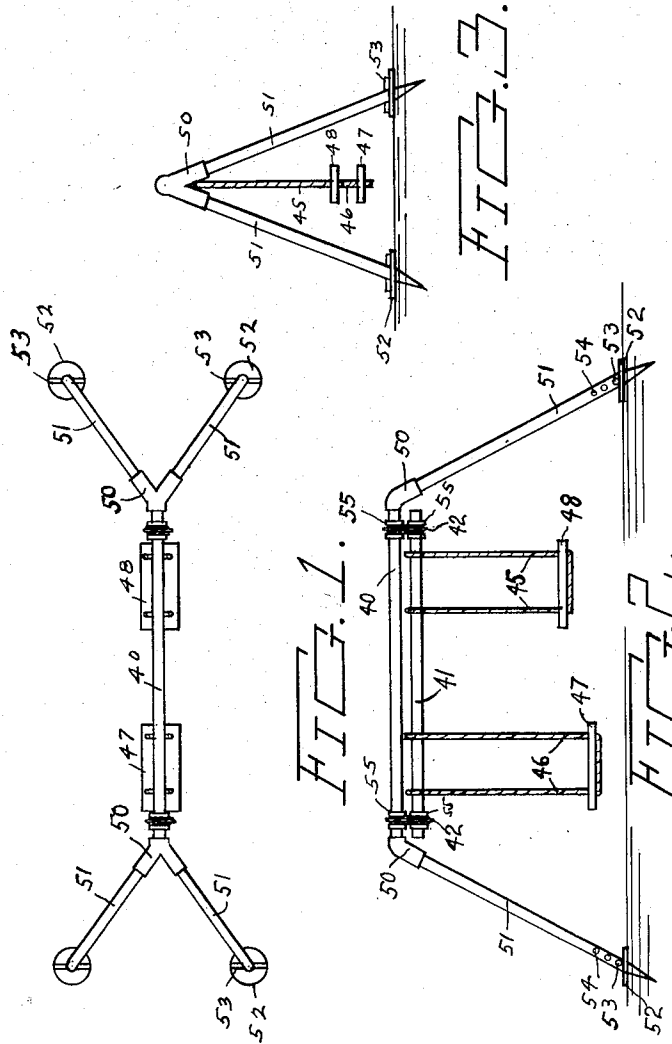
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M. EICHOLTZ

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SWING

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MARVIN EICHOLTZ.

Inventor

By Howard J. Whelan.

Attor

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SWING

Marvin Eicholtz, Baltimore, Md.

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This invention relates to playground equipment and more particularly to those of swing nature.

In the conventional form of swings the ropes are attached to hooks set in a stationary horizontal bar at a suitable height above the ground. Rope ends are attached to these hooks and the looped portions below are employed to support the seats. This permits a gentle swinging action, each swing being independent of the other and depending on the individual specifically operating it.

In this invention, it is the object to provide a new and improved swing that will avoid one or more of the disadvantages and limitations of the prior art.

Another object of the present invention is to provide a new and improved swing that will operate in a unique and interesting manner hard to explain by common scientific principles.

A further object of the invention is to provide a rotating horizontal bar, having a plurality of swing hooks, of variable lengths to which ropes and seats are attached, wherein the swinging motion of one swing will be transferred to the adjacent swing, and then re-transferred back and forth.

A further object of the invention is to provide a new and improved swing unit that will operate efficiently and constructed so it may be carried.

Other objects will become apparent as the description of the invention proceeds.

For a better understanding of the invention reference is made to the appended drawings which disclose a particular form of the invention by way of example, and which is described in the following outline. The scope of the invention is particularly pointed out in the claims.

In the drawings:

Figure 1 is a plan view of a swing embodying this invention,

Figure 2 is a side elevation of Figure 1,

Figure 3 is an end view of Figure 1.

Similar reference numerals pertain to the same parts in all the figures.

In the construction shown in the drawings the swing comprises a stationary bar 40 provided at its ends with fittings 50 to which are secured legs 51 resting on the ground. The ends of these legs carry plates 52 held in place by pins 53 which may be selectively fitted in one of a plurality of holes 54 bored through the legs 51, for the purposes of levelling the swing on hilly ground. An additional bar 41 is hung from the bar 40 by means of flexible chains 42 and these chains are held in place by collars 55 on each side thereof. The

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seats 47 and 48 are tightly secured to the bar 41 by means of ropes 45 and 46. It will be noted that the seats 47 and 48 are not on the same horizontal level since this is not necessary. The operation of the swing will now be described. Supposing that a child is sitting on seat 47 and causes swinging of the seat about bar 41 in the normal fashion of extending his legs while the seat is propelled outwardly and of folding them while the swing is propelled inwardly, the bar 41 will also swing about bar 40 for the reason that this motion will be enforced through the medium of its associated flexible chain 42. Consequently, seat 48 will be caused to swing since its own associated flexible chain 42 will swing about bar 40. The net result will be that while seat 47 swings, the adjacent seat 48 will also swing. Hence, if another child occupies seat 48 he will swing through no effort of his own, which certainly will be a source of wonder and interest to him. The range of such interest may be well imagined if the child occupying seat 48 undertakes to swing his own seat against the efforts of the child occupying seat 47.

The action of the swings appears so unusual that it is hard to understand and therefore holds considerable interest to all observers, since there does not appear to be a competent physical law to cover it, although actually there is an adequate explanation when demonstrated by a model.

While but one general form of the invention is shown in the drawings and described in the specifications it is not desired to limit this application for patent to this particular form or in any other way than by the scope of the appended claims, as it is appreciated that other forms could be made that would use the same principles and come within the scope of the appended claims.

Having thus described the invention, what is claimed is:

1. A swinging unit comprising in combination, a frame having a horizontal bar supported by outwardly and downwardly projecting legs, a secondary bar positioned parallel to said horizontal bar, flexible means for attaching said secondary bar to said horizontal bar, seat-holding means attached to said secondary bar and projecting downwardly therefrom to form a plurality of pairs of parallel elements with each pair being alternately long and the next pair shorter, and seat means attached to said holding means.

2. A swinging unit comprising a frame, a horizontal bar supported by said frame, a second bar parallel to said horizontal bar, flexible means for attaching said second bar to the horizontal bar, seats for the swing and means for attaching said

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seats to the second bar at varied distances from said second bar.

3. A swinging unit as set forth in claim 1, said frame consisting of A-shaped legs at each end of said horizontal bar, each leg terminating in a pointed end to penetrate the ground, and adjustable abutments carried by said legs to vary the amount of penetration of the legs in the ground.

MARVIN EICHOLTZ.

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