July 17, 1951

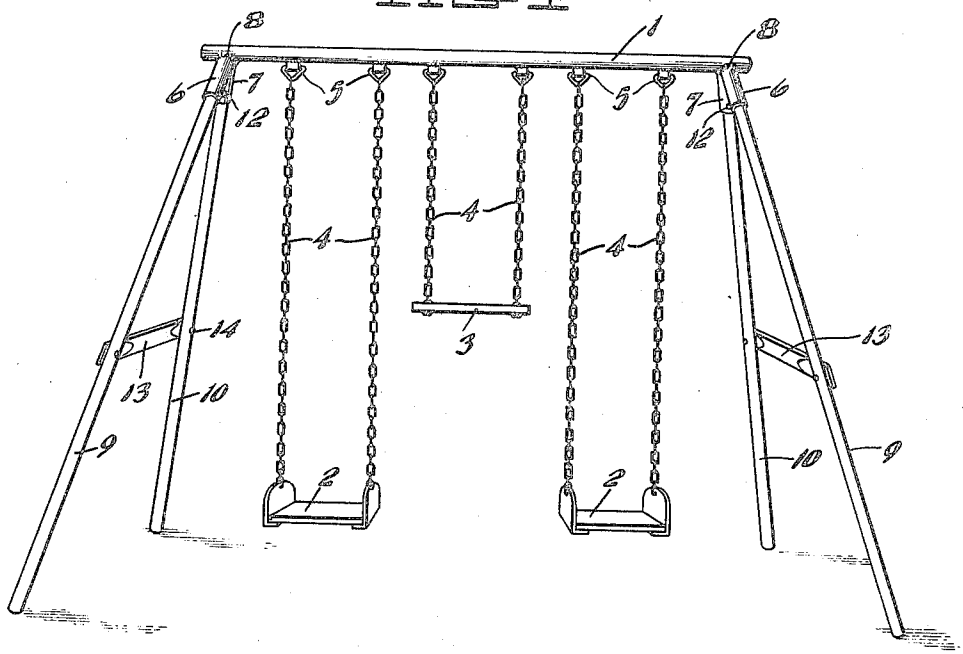
S. BENDER

2,560,713

SWING FRAME

Filed May 4, 1946

Fig. 1



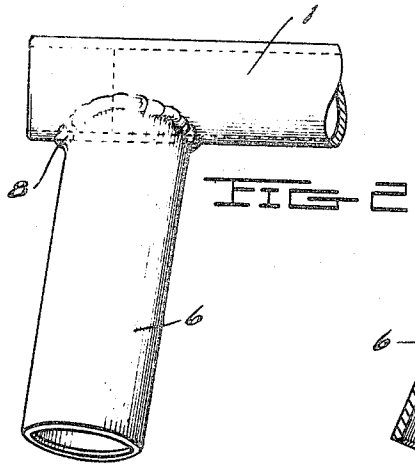


Fig. 2

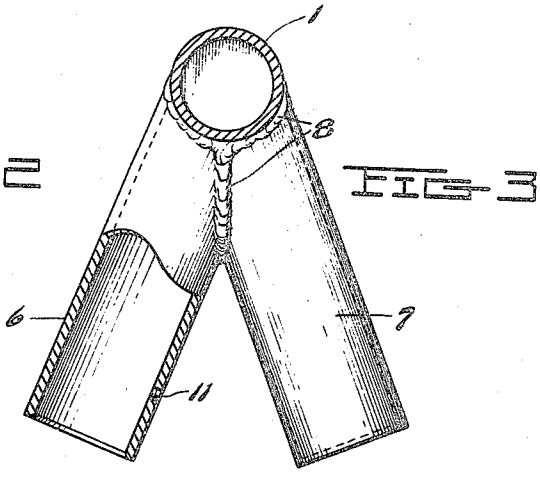


Fig. 3

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SWING FRAME

Samuel Bender, Shreveport, La.

Application May 4, 1946, Serial No. 667,282

1 Claim. (Cl. 155—58)

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This invention relates to improvements in swing frames for playground type swings.

An object of the invention is to provide an improved playground swing frame which will be formed with a horizontally extending body and a pair of inverted V-shaped sockets secured to each end of said body by means of welding.

Another object of the invention is to provide an improved playground swing frame formed with a horizontally extending body portion upon which one or more swings may be supported, and said body portion being provided with a pair of socket members welded to each end of said body portion, and said socket members being extended outwardly, longitudinally and transversely with respect to said body.

A further object of the invention is to provide an improved playground swing frame which is formed with a horizontally extending cylindrical body portion and prop or leg supporting sockets secured thereto by welding to form an integral construction, which is free of all surface irregularities, such as bolts and the like.

Another object of the invention is to provide an improved playground swing frame including a horizontally extending tubular body formed with depending leg supporting sockets which are welded to said body and extend outwardly therefrom both in a transverse direction and in a longitudinal direction with respect to said body, whereby said body will be securely supported to prevent overturning of the frame when the swing is operated.

A still further object of the invention is to provide an improved swing frame which will be integrally formed with depending inverted V-shaped leg supporting sockets, the same being highly efficient in operation, and relatively inexpensive to manufacture and produce.

Other objects will appear as the description proceeds.

In the accompanying drawings which form a part of this application,

Figure 1 is a perspective view of the improved swing frame showing the same supported by end legs, and a plurality of swings secured to said frame and depending therebelow;

Figure 2 is an enlarged side elevation of a portion of one end of said frame body showing a depending socket secured thereto by welding, and

Figure 3 is an end view being partly broken away showing the construction of the improved swing frame with the inverted V-shaped socket members being cut to fit the frame or body and

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welded thereto to form an integral construction.

Like characters of reference are used throughout the following specification and the accompanying drawings to designate corresponding parts.

In carrying out the invention, there is provided an improved swing frame including a horizontally disposed body member 1, preferably formed of pipe or tubing, and of a length to accommodate any desired number of swing seats 2 and trapeze bar 3 secured to the said body by means of the chains 4 which are fastened at their upper ends to the eyes 5 welded to the lower surface of said body 1.

The swing frame body 1 is adapted to cooperate with the two socket members 6 and 7 at each end of the body, said socket members being grooved at their upper ends to smoothly fit the contour of the said body 1, and are cut off at an angle to form a meeting joint which extends vertically below the central medial line through said body member 1. The socket members 6 and 7 are placed together as best illustrated in Figure 3 of the drawing, and are suitably held in a jig or in some other form of apparatus while the integral weld 8 is formed about the adjoining edges of the said socket members 6 and 7 where they join each other and about the arcuate edges thereof where they contact the rounded outer surface of the said body member 1, thus providing an integral construction which will be totally free of any extending members or obstructions which might in any manner cause injury to a child while playing on the swing.

The socket members 6 and 7 when welded to the opposite ends of the frame body 1 will be in the form of an inverted V, with the said sockets extending outwardly from the body member 1 in both lateral and longitudinal or axial directions, as clearly illustrated in the drawings.

The depending sockets 6 and 7 will be adapted to receive and support the upper ends of the supporting legs 9 and 10 at each end of the swing frame, said legs forming a continuation of the sockets, to be held therein by means of suitable set screws or bolts which will extend through the threaded apertures 11 in each of said sockets 6 and 7. The set bolts 12 will be so constructed that they will extend substantially flush with the outer surface of the said sockets 6 and 7 when they are in clamping or engaged position with the outer surface of the said supporting legs 9 and 10.

A combined reinforcing and exercise bar 13

will be disposed between the supporting legs 9 and 10 at each end of the swing frame and will be secured thereto by means of the bolts 14, to substantially reinforce the swing frame construction, and to provide an additional exercising bar for the children playing upon the swing.

From the foregoing description, it will be apparent that there has been provided a highly efficient form of playground swing frame which will be supported upon the supporting legs at either end of the frame body 1, said legs being set in cement in the ground (not shown), if desired, or supported in fixed position in any other desired manner.

While the preferred embodiment of the instant invention has been illustrated and described, it will be understood that it is not intended to limit the scope of the invention thereto, as many minor changes in detail of construction may be resorted to without departure from the spirit of the invention.

Having thus described my invention, what I claim as new and desire to secure by Letters Patent of the United States is:

A swing frame comprising a substantially horizontally disposed upper rail, a pair of outwardly and downwardly inclined sleeves permanently secured at their upper ends to the outer surface of the rail and adjacent each end of said rail, the upper ends of said sleeves also being permanently secured to each other, the longitudinal

axes of said pairs of sleeves being disposed at an inclined angle relative to the longitudinal axis of said rail, depending support legs frictionally fitted in said sleeves, cross members fixedly connecting the support legs carried by each pair of sleeves, said cross members constituting chinning bars, means for retaining said support legs within said sleeves, and means fixedly carried by said rail for engaging a plurality of seat-supporting chains, said last mentioned means including a plurality of pairs of longitudinally spaced sleeves permanently secured to and depending from said upper rail, the central bores in said sleeves being aligned relative to each other and spaced parallel to the longitudinal axis of said rail.

SAMUEL BENDER.

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