Feb. 8, 1955 R. A. ST. LOUIS 2,701,604

PLAY SWING APPARATUS

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Fig. 1.

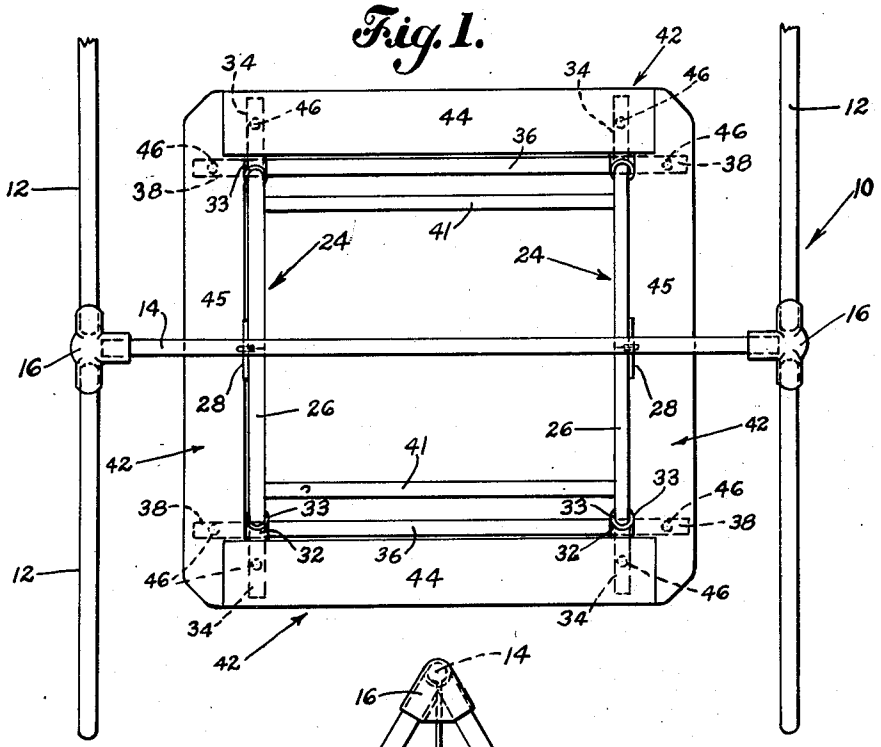
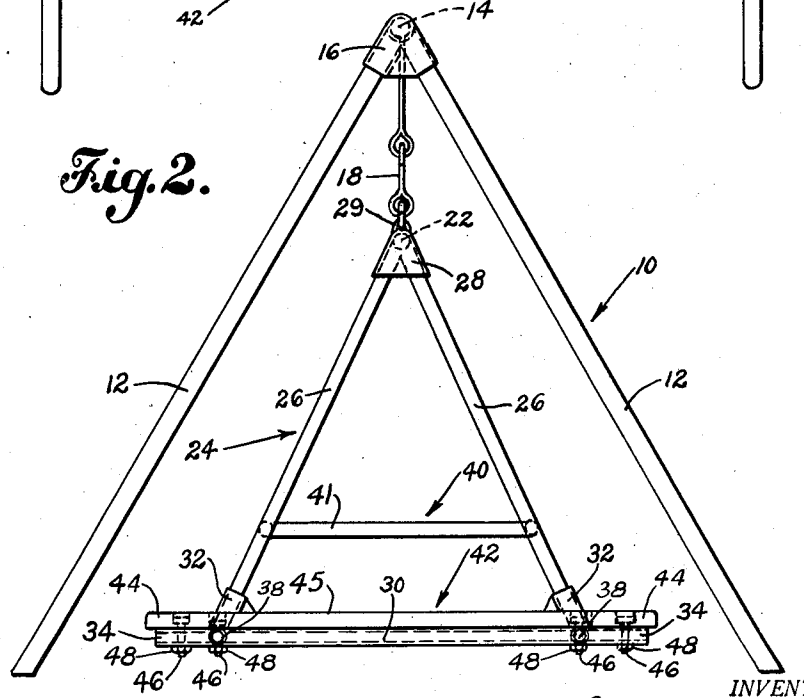


Fig. 2.



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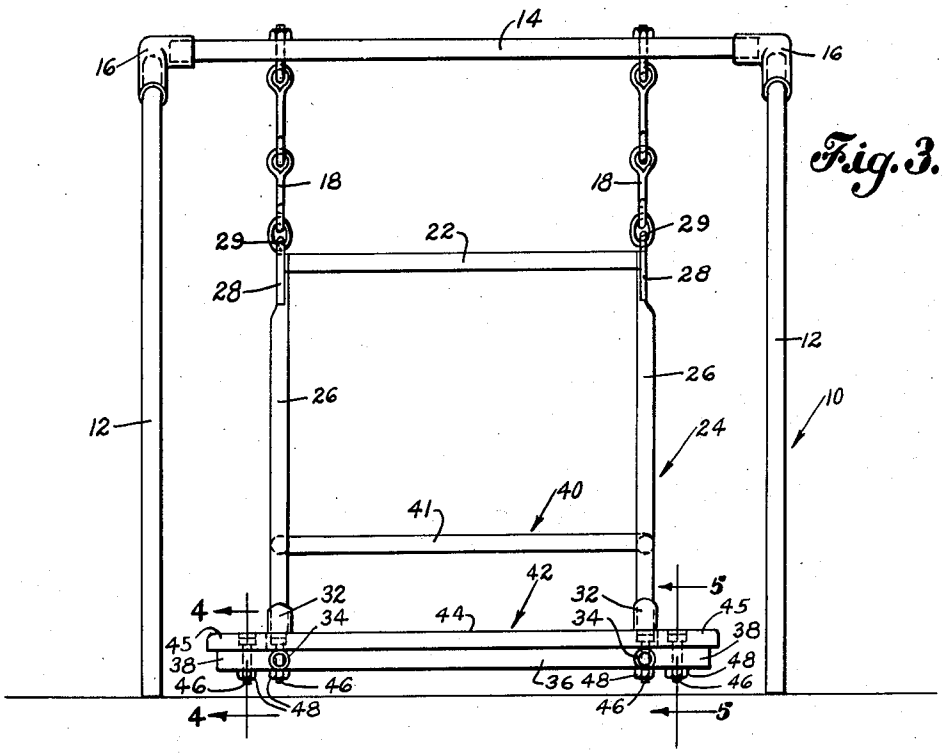


Fig. 3.

Fig. 4.

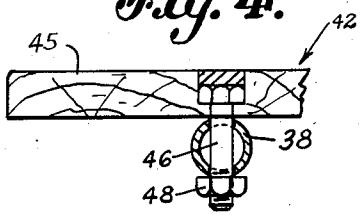


Fig. 5.

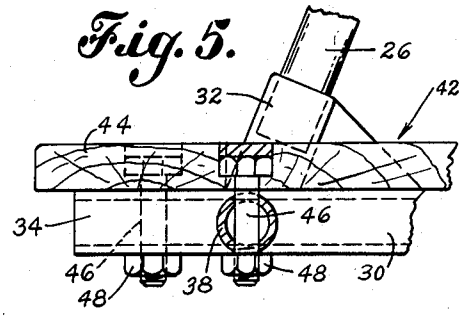
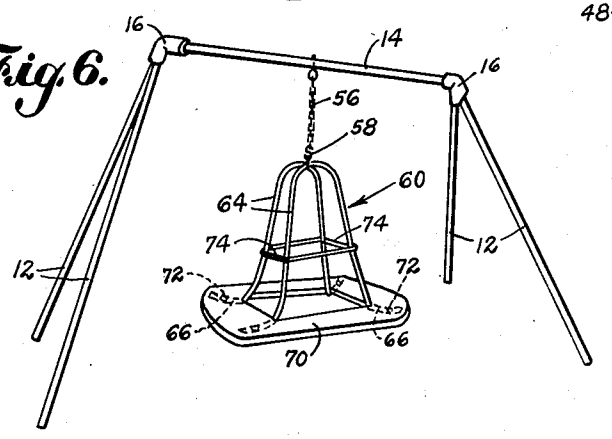


Fig. 6.



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2,701,604

PLAY SWING APPARATUS

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Application April 8, 1953, Serial No. 347,452

4 Claims. (Cl. 155—58)

This invention relates to play swing apparatus.

One object of my invention is to provide play swing apparatus having a seat extending completely around it, on which children may sit as they swing.

Another object is to provide such swing apparatus with improved suspension means that also serves to support the seat.

A further object is to make said swing apparatus of relatively few and simple parts that can easily be assembled together and which is economical to manufacture.

The foregoing and other objects which will appear as the nature of the invention is better understood, may be accomplished by a construction, combination and arrangement of parts such as is disclosed by the drawings. The nature of the invention is such as to render it susceptible to various changes and modifications, and therefore, I am not to be limited to the construction disclosed by the drawings nor to the particular parts described in the specification; but am entitled to all such changes therefrom as fall within the scope of my claims.

In the drawings:

Figure 1 is a top plan view of my play swing apparatus.

Figure 2 is a side elevational view thereof.

Figure 3 is a front elevational view thereof.

Figure 4 is a sectional view taken on the line 4—4 of Figure 3.

Figure 5 is a sectional view taken on the line 5—5 of Figure 3.

Figure 6 is a perspective view of a modified form of play swing apparatus.

As illustrated, my swing apparatus may be hung on a supporting framework **10** which rests on the ground or floor or may be embedded in cement. This framework, as shown, has a pair of the usual diagonally extending legs **12** at opposite sides which are connected to an overhead bar **14** by well known fittings **16**. Chains **18**, or other hanging instrumentalities, are attached to said overhead bar **14** and hang downwardly, from which is suspended my swing apparatus.

Said apparatus has suspension means including an upper cross bar **22** to each end of which is attached a triangularly-shaped support **24** which has a pair of legs **26** extending diagonally downward and outward which are joined by a gusset plate **28** welded thereto at the top. A connecting ring **29** is attached to said plate **28** to receive a chain **18**. At the lower ends of each pair of legs **26** is a supporting cross rod **30** forming the lower part of said triangular support **24** and which supports a seat **42**, later described, and which cross rod is joined to said legs **26** by fittings **32**. Said supporting rods **30** each have extension portions **34** at opposite ends.

Two other seat supporting rods **36** extend between, and are connected to said supporting rods **30** by welding to said fittings **32**. They extend at right angles to said rods **30**, as shown, and adjacent the end of each said rod **36** an extension portion **38** at both ends is welded to fittings **32**.

A hand rail **40** is formed by four rods **41** that extend between said legs **26**, being fixed thereto at points intermediate the top and bottom of each said triangular support **24**, being a comfortable distance above said seat **42** to serve its purpose for children to grasp.

Said seat **42** is supported by said extensions **34** and **38** respectively, thus providing an endless seat formed of two pairs of members shown as wood boards **44** which rest on said extensions **34**, and wood boards **45** which

rest on said extensions **38**. Said boards **44** and **45** are joined together at their ends. Said seat is attached to said suspension means by pin members shown as bolts **46** that extend through them and through holes in said rods **30** and **36** and their extensions **34** and **38** respectively. Nuts **48** screw-threadedly attached to said bolts **46** hold the assembly firmly together.

In the modified swing apparatus shown in said Figure 6 a chain **56** is attached to said overhead bar **14** and connected to an S-hook **58** attached at the top of suspension means **60**. The latter has two U-shaped supports **64**, each of which has two legs extending diagonally outward and downward, and each leg has a laterally extending extension **66** providing support for an endless seat **70** similar to said seat **42**. Said seat **70** is attached to said extensions **66** by pins or bolts **72** that extend through both. A hand rail is attached to said tubes **64** at all four legs and extends around said suspension means **60** at a point between the upper and lower extremities thereof. Said seat **70** may be formed as a unit, as by dovetailing or otherwise uniting four boards together. Also said seat may be made of four members with each corner reinforced by a span member directly below and spanning the joint where two seat members abut. In this construction the bolts **72** extend through the seat members at the abutting joint and through said sections **66** and into said span members underneath said seat members.

What I claim is:

1. Play swing apparatus comprising suspension means embodying an upper cross bar and two triangularly-shaped supports attached to said bar at opposite ends, each said support embodying two legs extending diagonally outward and downward, and a cross rod extending between and connected to said two legs, said rod having extension portions extending laterally beyond said legs, and two other rods extending between said triangularly-shaped supports and connected to said first-mentioned cross rods and each embodying two extension portions extending laterally beyond said legs, and a continuous seat embracing the lower ends of the legs and supported by said extension portions.

2. Play swing apparatus comprising suspension means embodying an upper cross bar and two triangularly-shaped supports attached to said bar at opposite ends, each said support embodying two legs extending diagonally outward and downward, and a cross rod extending between and connected to said two legs, said rod having extension portions extending laterally beyond said legs, and two other rods extending between said triangularly-shaped supports and connected to said first-mentioned cross rods and each embodying extension portions extending laterally beyond said legs, a continuous seat embracing the lower ends of the legs and supported by said four extension portions, and pin members extending through said seat and extension portions holding them together.

3. Play swing apparatus comprising suspension means embodying an upper cross bar and two triangularly-shaped supports attached to said bar at opposite ends, each said support embodying two legs extending diagonally outward and downward, and a cross rod extending between and connected to said two legs, said rod having extension portions extending laterally beyond said legs, two other rods extending between said triangularly-shaped supports and connected to said first-mentioned cross rods and each having extension portions extending laterally beyond said legs, and a continuous seat embracing the lower ends of the legs and embodying four members, each said seat member extending over and between two of said extension portions and attached thereto.

4. Play swing apparatus comprising suspension means embodying an upper cross bar and two triangularly-shaped supports attached to said bar at opposite ends, each said support embodying two legs extending diagonally outward and downward, and a cross rod extending between and connected to said two legs, said rod having extension portions extending laterally beyond said legs, two other rods extending between said triangularly-shaped supports and connected to said first-mentioned cross rods and each having extension portions extending laterally

beyond said legs, and a seat embodying four members, each said seat member extending over and between two of said extension portions and attached thereto, said boards being joined together to provide an endless seat around said suspension means, and a hand rail attached to and extending between said four legs above said seat.

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