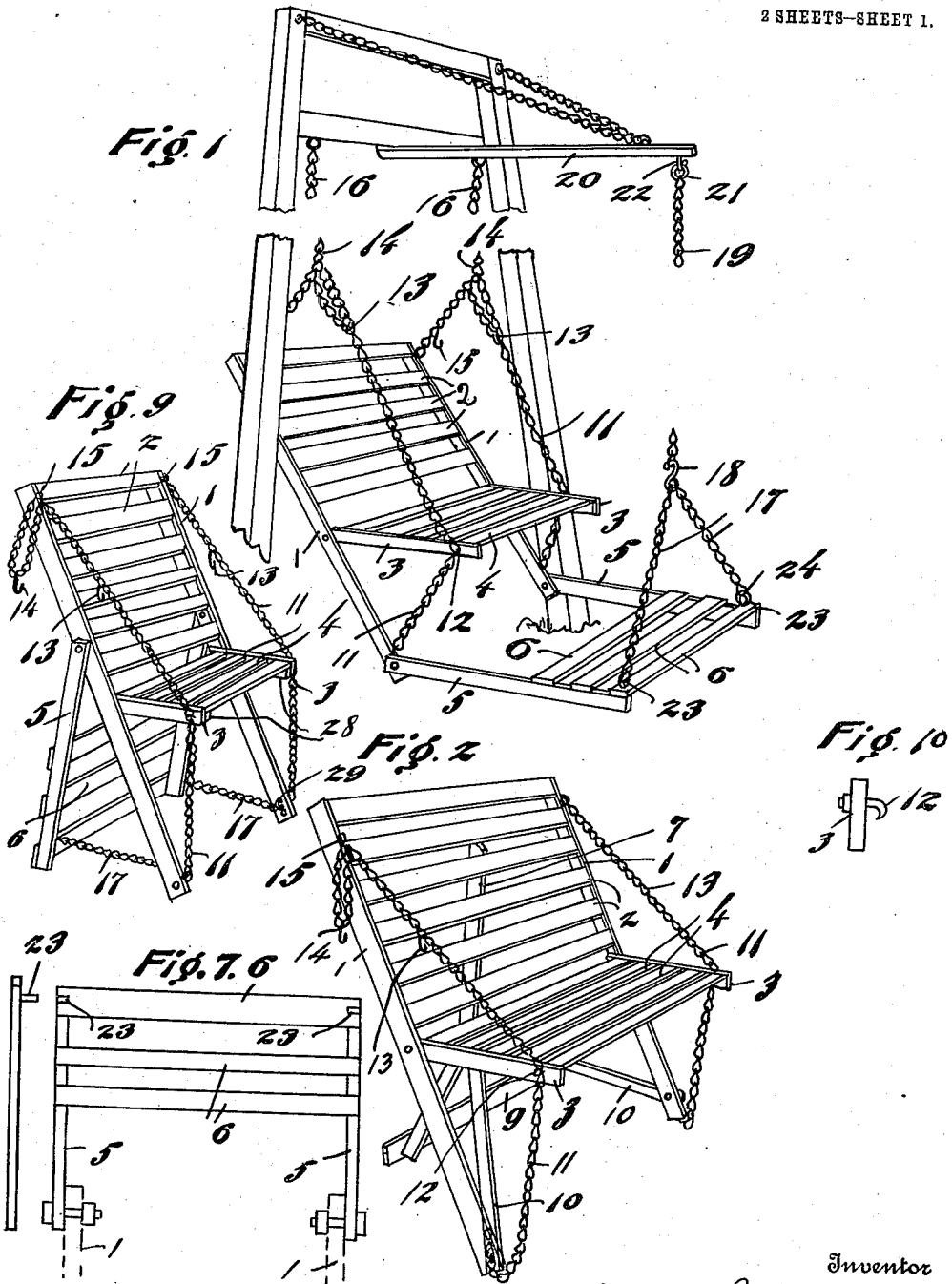


I. B. SANDERS.
 COMBINATION SWING AND OTHER ARTICLES OF FURNITURE.
 APPLICATION FILED SEPT. 21, 1911.

1,013,956.

Patented Jan. 9, 1912.
 2 SHEETS—SHEET 1.



Witnesses
B. H. ...
J. W. ...

By

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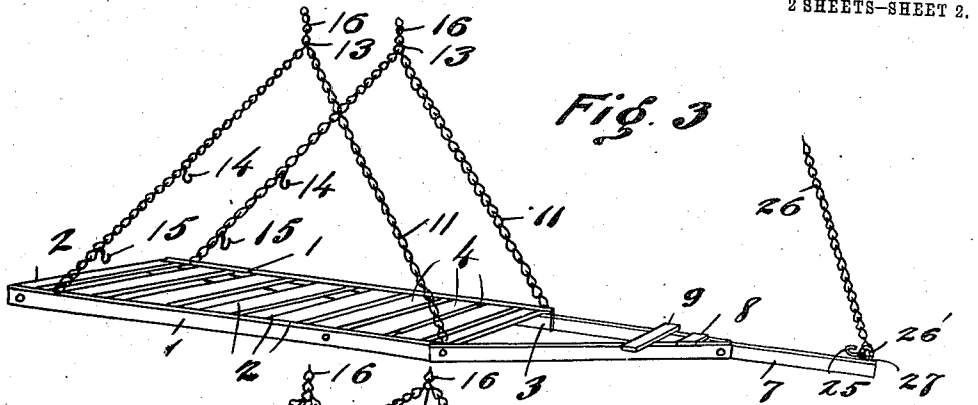


Fig. 3

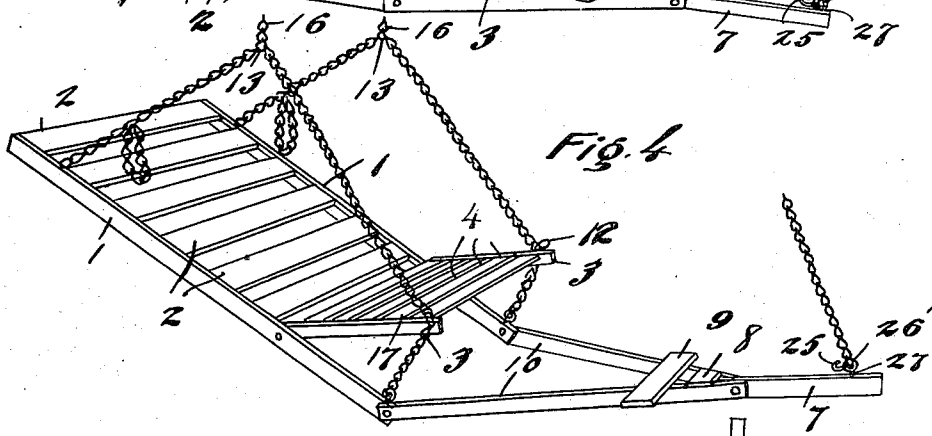


Fig. 4

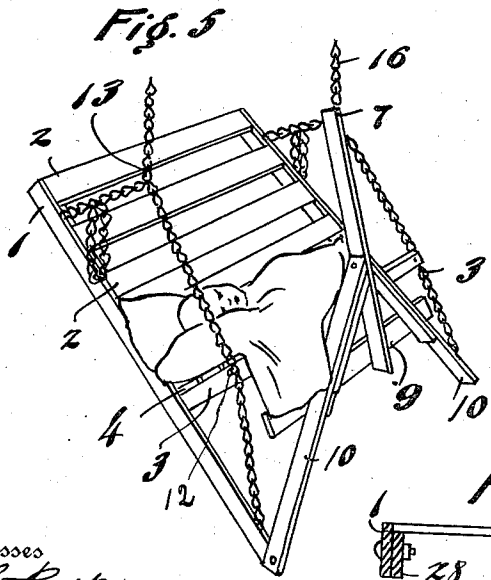


Fig. 5

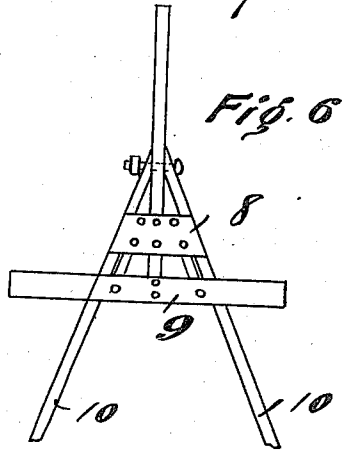


Fig. 6

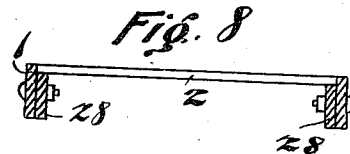


Fig. 8

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 Attorney

UNITED STATES PATENT OFFICE.

IRA B. SANDERS, OF FORT WORTH, TEXAS.

COMBINATION-SWING AND OTHER ARTICLES OF FURNITURE.

1,013,956.

Specification of Letters Patent.

Patented Jan. 9, 1912.

Application filed September 21, 1911. Serial No. 650,640.

To all whom it may concern:

Be it known that I, IRA B. SANDERS, a citizen of the United States, residing at Fort Worth, in the county of Tarrant and State of Texas, have invented certain new and useful Improvements in Combination-Swings and other Articles of Furniture, of which the following is a specification.

My invention relates to automatic porch swings and particularly to a swing which can be converted into several different articles; and the object is to provide a simple and inexpensive construction which can be readily and quickly converted into the different articles of furniture, such as a porch, lawn or tree swing, cot, cradle, hammock, and settee.

In the hammock, swing, and cot a person can swing himself without much effort.

Another advantage is that the device can be folded into a small package for transportation, making a useful article for picnics and fishing parties and the like.

Another advantage is that all parts which are hingedly connected are provided with noiseless bearings.

Other objects and advantages will be fully explained in the following description and the invention will be more particularly pointed out in the claims.

Reference is had to the accompanying drawings which form a part of this application.

Figure 1 is a perspective view of the device in the form of a lawn or porch or tree swing. Fig. 2 is a perspective view of the device converted into a settee. Fig. 3 is a perspective view of the device in the form of a swinging cot. Fig. 4 is a perspective view of the device in the form of a hammock. Fig. 5 is a perspective view of the device folded to form a child's cradle or swinging cradle. Fig. 6 is a plan view of the foot piece. Fig. 7 is a plan view and a side elevation of a foot piece which is a variation from the foot piece shown in Fig. 6 which can be used with the device in all the different forms. Fig. 8 is a cross-section of the back member. Fig. 9 is a perspective view of the settee on which is used the foot piece shown in Fig. 7. Fig. 10 is a detail view of the hooks on the seat arms for engaging the chains.

Similar characters of reference are used

to indicate the same parts throughout the several views.

The article of furniture has a main frame constructed preferably of wood and consisting of two bars 1 and slats 2 secured thereto. The seat member consists of bars 3 and slats 4 secured thereto and the bars 3 are pivotally connected to the bars 1 of the main frame. A foot piece is provided and the foot piece can be of the form shown in Figs. 1 and 7 and 9, or of the form shown in all the other figures. The form shown in Figs. 1, 7, and 9 consists of bars 5 pivotally connected to the bars 1 and slats 6 attached to the bars 5. The form shown in the other views consists of a bar 7 with slats 8 and 9 secured thereto, and bars 10 pivotally connected to the bars 1 and pivotally connected to the bar 7. The invention thus has a main or back rest member, a seat member, and a foot rest with a variation in the foot rest. These members are manipulated by hooks and chains to form the various articles of furniture shown.

The variations in the furniture are made by catching the hooks in the chains at different positions. There is one chain at each side of the device. Considering the device as shown in Fig. 1, a chain 11 is attached to the post or bar 1 at or near the bottom, then caught on a hook 12 which is rigid in the front of the seat member and then secured to the upper end of the bar 1. A similar chain is similarly attached to the other side of the device. By reason of the hooks 12, the chains 11 can be caught at different positions to vary the angle which the seat member makes with the back rest member. Each chain 11 is provided with hooks 13, 14, and 15, and hanging chains 16 are provided. In the lawn swing, as shown in Fig. 1, the hooks 13 and 15 are idle and the hooks 14 are engaging the hanging chains 16. The back rest member can be more or less inclined by making the hooks 15 engage the chains 11 higher or lower. The foot rest member can be supported at different heights by the chains 17 which are provided with hooks 18 which are adapted to catch in any link in the hanging chain 19. The chain 19 is connected to a supporting bar by reason of a ring 21 and hook 22. The chains 17 are connected to the foot rest member by hooks 23 and by the rings 24.

In the settee shown in Fig. 2, the foot rest is folded back under the device and the bar 7 is made to support the back rest member while the slat 9 forms a support or rest.

5 The chains 11 hold the seat member at the proper elevation. The seat member can be varied to higher or lower elevations at the outer edge by making the hooks 12 engage different links of the chains 11.

10 The device may be converted into a cot, as shown in Fig. 3. In this form the hooks 14 and 15 are idle and the hooks 13 are engaging the hanging chains 16. The chains 11 are released from the hooks 12 and the

15 seat member is folded down in line with the back rest member. The foot rest member is also brought in line with the back rest member by the hanging chain 26 and hook 25.

20 A person can swing himself by pressing with his feet on the slat 9. The ring 26 is caught by a hook 27 which is rigid with the bar 7.

The device can be converted into a hammock. In this form the hooks 13 engage chains 16 and the hooks 14 and 15 are hooked into each other. The seat member is brought to the proper angle by catching the hooks 12 in the proper links in the chains 11. The foot rest is adjusted as heretofore described.

25 The device can be converted into a cradle, as shown in Fig. 5. The hooks 13 engage the chains 16 and the hooks 15 engage the hooks 14 or engage the chains 11 a few links above the hooks 14. In this form the foot rest is of no service and may be turned up against the seat member. The seat member is raised to the proper angle or to form the proper angle with the back rest to prevent a child from falling by catching the hooks 12 in links higher up in the chains 11.

30 It is preferable to construct the back rest member as shown in Fig. 8. Bars 28 are bolted to the bars 1 and the slats 2 are attached to the bars 28. In this manner the corners of the slats are not projecting up where they will injure a person. The top of the slats 2 are flush with the top edges of the bars 1.

35 When the foot rest shown in Fig. 7 is used with the settee, the bars 5 are unbolted from the bottom part of the bars 1 and bolted higher up, as shown in Fig. 9, and the chains 17 are brought forward and caught on hooks 29 attached to the inside of the bars 1.

40 Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is,—

60 1. As a new article of manufacture a back rest member, a seat member pivotally connected thereto adapted to fold and form a continuation of the back rest member, a foot rest member pivotally connected to said back rest member and adapted to fold and

to swing to different positions relative to said back rest member to form different articles of furniture, hanging chains, a pair of supporting chains, one of each pair of chains being attached to the corners of one side of said back rest member and the other chain attached to the other corners of said back rest member, and a plurality of hooks for each of said pair of chains adapted to engage said hanging chains at different positions and thereby to form different articles of furniture with said members. 70 75

2. As a new article of manufacture, a back rest member, a seat member pivotally connected to said back rest member at the back edge and having hooks at the front edge, a foot rest member pivotally connected to said back rest member, a plurality of hanging chains, chains connected to said foot rest member and provided with hooks to engage one of said hanging chains at different positions to hold said foot rest at different elevations, and a pair of chains provided with a plurality of hooks to engage said hanging chains at different positions to form different articles of furniture, one of said pair of chains being connected to the corners of one side of said back rest member and the other chain connected to the corners on the other side of said back rest member. 80 85 90 95

3. As a new article of furniture, a back rest member, a chain attached to the corners of one side of said member and a chain connected to the corners of the other side of said member, a plurality of hooks attached to each chain, a seat member pivotally connected to said back rest member and provided with hooks at the front edge thereof adapted to engage said chains to hold said seat member at different angles relative to said back member, hanging chains, the hooks of said first mentioned chains being adapted to engage said hanging chains at different elevations to form different articles of furniture, a foot rest member pivotally connected to said back rest member, and chains attached to said foot rest member adapted to hold said foot rest member at different positions relative to said back rest member for forming different articles of furniture. 100 105 110 115

4. As a new article of manufacture, a back rest member, a chain on each side thereof attached to the upper and lower corners, a seat pivotally connected to said back rest member and provided with hooks adapted to engage said chains at different positions, a foot rest member pivotally connected to said back rest member and adapted to fold and to form different articles of furniture with said back member, and chains attached to said foot rest member and adapted to hold said foot rest member in different positions relative to said back rest member. 120 125

5. As a new article of manufacture, a 130

chair provided with a back-rest member, a
foot-rest, means by which said foot-rest may
be pivotally connected to said back-rest
member at different positions on said back-
5 rest member, and chains adapted, when said
foot-rest is projected in front of said back-
rest member, to support the foot-rest to form
a swing and when the foot-rest is reversed
and projected in the rear of said back-rest
10 member and pivotally connected thereto to
form a chain to hold the foot-rest member

and the back-rest member from spreading
at the lower ends of the foot-rest and the
back-rest member.

In testimony whereof, I set my hand in 15
the presence of two witnesses, this 1st day of
September, 1911.

IRA B. SANDERS.

Witnesses:

A. L. JACKSON,
W. S. ESSEX.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
