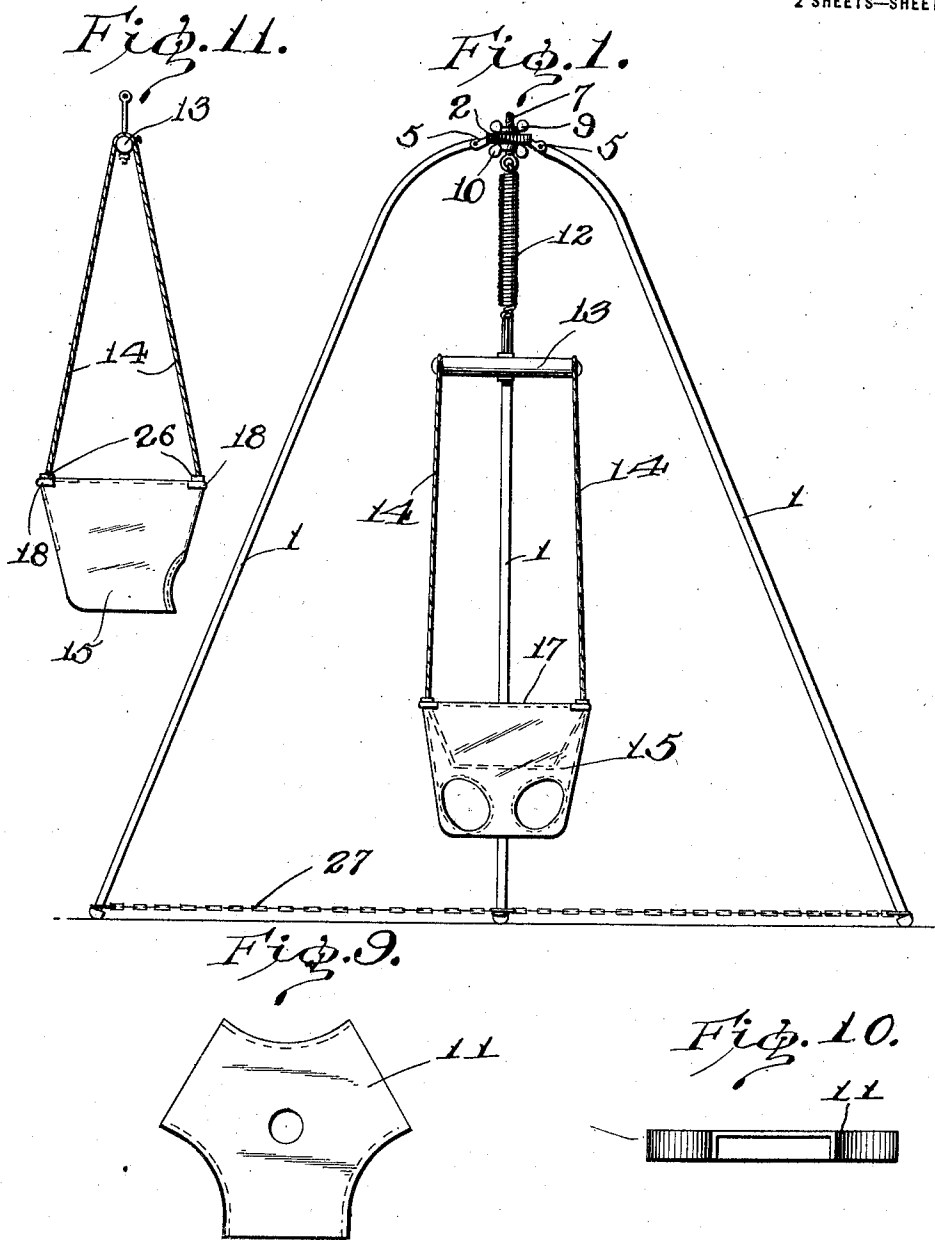


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 PORTABLE BABY SWING.
 APPLICATION FILED JULY 30, 1919.

1,361,469.

Patented Dec. 7, 1920.
 2 SHEETS—SHEET 1.



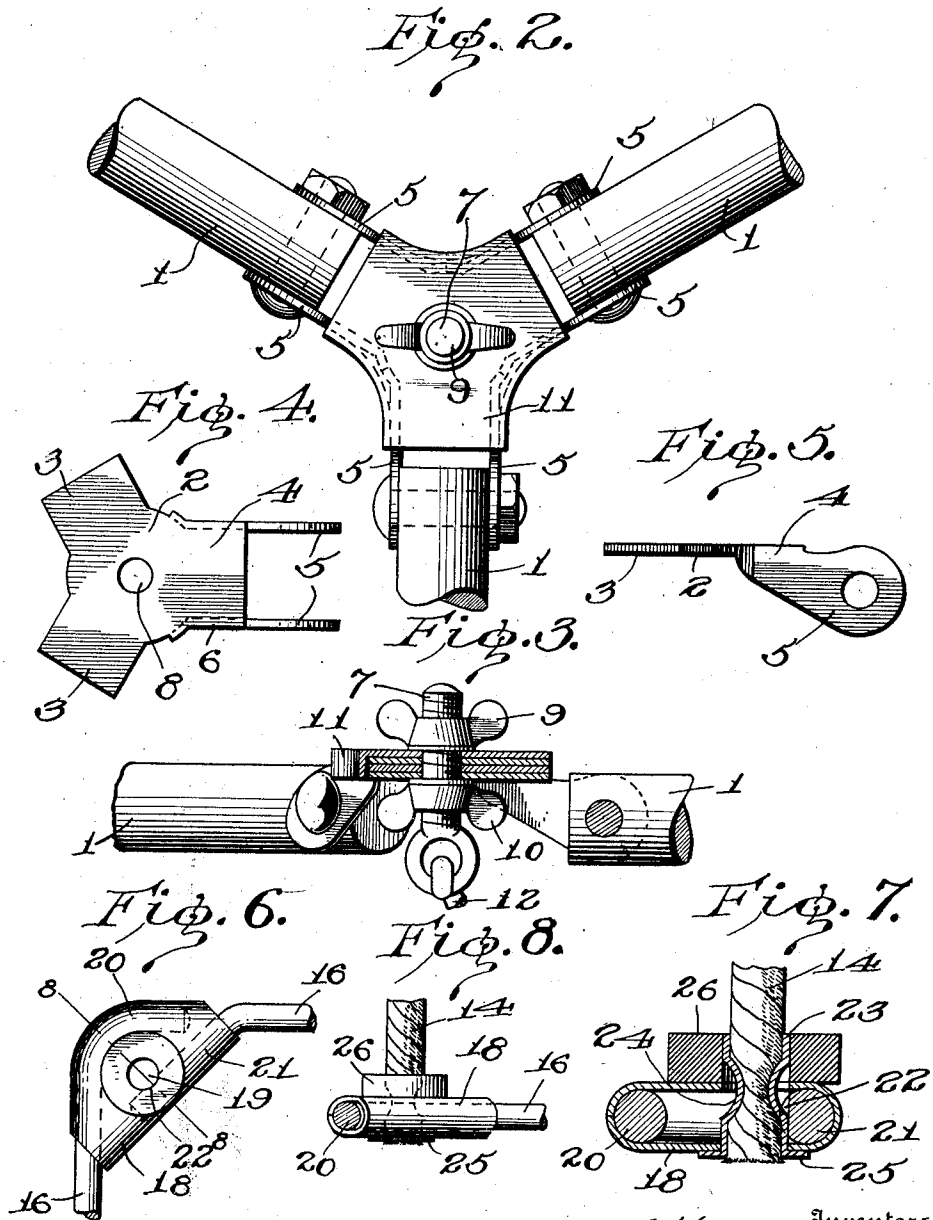
Witness
Albert Cophins

Inventors
Harry T. Kingsbury
and
Edward J. Kingsbury
 By *Sturtevant & Moore*
 Attorneys

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Albert Hopkins

Inventors
Harry T. Kingsbury
 and
Edward J. Kingsbury

By
Sturtevant & Mavor
 Attorneys

UNITED STATES PATENT OFFICE.

HARRY T. KINGSBURY AND EDWARD J. KINGSBURY, OF KEENE, NEW HAMPSHIRE.

PORTABLE BABY-SWING.

1,361,469.

Specification of Letters Patent.

Patented Dec. 7, 1920.

Application filed July 30, 1919. Serial No. 314,190.

To all whom it may concern:

Be it known that we, HARRY T. KINGSBURY and EDWARD J. KINGSBURY, citizens of the United States, residing, respectively, at Keene, in the county of Cheshire, State of New Hampshire, have invented certain new and useful Improvements in Portable Baby-Swings, of which the following is a description, reference being had to the accompanying drawing and to the figures of reference marked thereon.

This invention relates to portable baby swings, and more particularly to a device which can be folded up and put away when not in use.

The object of this invention is to provide a supporting means for a baby swing that may be easily closed to allow it to be stored in a small space or the standards thereof compactly folded for packing.

A further object of the invention is to provide a frame for the seat that may be easily taken apart to permit the seat to be removed therefrom.

A still further object of the invention is to provide a device that may be knocked down and the swing and connections wrapped around the standards and thus made into a compact package.

These and other objects will in part be obvious and will in part be hereinafter more fully disclosed.

In the drawings, which show by way of illustration one embodiment of the invention:

Figure 1 is a side elevation of the entire device in operative position;

Fig. 2 is a plan view of the means for pivotally interconnecting the standards;

Fig. 3 is a side view of Fig. 2, partly in section;

Figs. 4 and 5 are plan and side views, respectively, of one of the clips;

Figs. 6, 7 and 8 are detail views of the corner clips showing means for attaching the swing support thereto;

Figs. 9 and 10 are plan and side views, respectively, of the clip cover; and

Fig. 11 is a side view of the swing shown in Fig. 1.

The invention comprises a swing supporting means, including a plurality of standards pivotally mounted together at their upper ends by means of a plurality of superimposed spacing clips which not only hold the standards in swing-supporting position,

but which are detachable one from another so that the standards and swing can be quickly and easily dismantled. The swing, which is resiliently hung from the central pivotal point of these clips by means of four ropes or rods, is preferably made of fabric or some collapsible material, and in order to hold it in open position there is provided a rigid frame consisting of four rods which pass through hems in the sides of the seat. These frame rods are detachably connected by corner clips; each clip being fast to the end of a rod and adapted to disconnectably receive the free end of the next adjacent frame rod. The clips in turn are fast to the depending ropes or rods, the connection being adapted to detachably lock the adjoining ends of the frame rods within the corner clips.

Referring more particularly to Fig. 1 of the drawings, the swing is illustrated as depending from a suitable support preferably consisting of the three standards 1 curving or arched inwardly to meet at their upper ends to provide a pivotal interconnection. For this purpose each standard has pivoted thereto in any suitable manner a clip 2 comprising a centrally bored metallic plate having flat spacing members 3 corresponding to the number of standards used. In the present instance, each clip employs three of such members spaced one hundred and twenty degrees apart. One of such members, as 4, is formed with a pair of depending ears 5 bored to receive the pivotal connection to the standard. As shown in Figs. 4 and 5, these ears 5 are formed by folding downwardly an excess width of metal 6 so that the space between the depending ears will exactly accommodate a spacing member. In other words, if two or three clips are superimposed, the depending ears of one clip will straddle the spacing member of the clip beneath, whereby the depending ears of each clip are held in fixed relation one to another. It is obvious that other arrangements may be resorted to for spacing these pivotal connections.

In order to secure these superimposed clips in such position so that each standard is spaced one hundred and twenty degrees from the other, the eyebolt 7 is passed through the central bores 8 of the clip and is held in such position by upper and lower wing nuts 9 and 10. If desired, to assist in holding the spacing members in position and

more particularly to present a finished appearance to the pivotal connections, there is provided a cover plate 11, shown in Figs. 9 and 10, which is slipped over the clip before the eyebolt and nuts are placed thereon.

For the purpose of supporting the swing 15 from the standards, there is provided the usual spring 12 connected at its upper end to the eyebolt 7 and at its lower end in any suitable manner to a cross bar 13 which in turn has affixed to its ends the four ropes, bars or cables 14 connected as further described to the swing.

The seat of the swing is of the well-known square design and is preferably made of fabric or some collapsible material in order to be easily packed or laundered, if desired. When the seat is made of fabric or collapsible material, it is provided with a supporting frame consisting of four substantially rigid members or rods 16 adapted to be inserted through a hem 17 along the top of each side of the seat.

To provide a detachable connection for these rods, corner clips 18 are used. As shown in Figs. 6, 7 and 8, these clips are preferably of folded sheet metal and bored to provide a central seat 19. One end 20 of each frame rod 16 is curved to fit within and be fixed to a clip. The other end 21 of the rod is bent at an angle and notched as at 22. This end of the rod is adapted to be removably seated and locked in the next adjacent corner clip.

Each clip is permanently fastened to one of the depending swing supports 14, but has movement relative thereto for the purpose of locking the disconnectible end of the rod 16 to the clip. As shown, each rope end 14 is provided with an eyelet 23, adapted to pass through the central bore 19 of the clip crimped or dented on the rope as at 24. The end of the eyelet is provided with a flange or abutment 25 to prevent disengagement of the rope and clip. Surrounding the rope and eyelet above the clip is a tight fitting rubber washer 26 which holds the clip against the flange of the eyelet. When the dented portion 24 of the eyelet registers with the notch 22 in the end 21 of the rod

16, the latter may be withdrawn so that the seat can be disconnected from the supporting ropes 14. To attach and detach the rod, it is merely necessary to raise the rubber washer 26 on the rope 14 when such connection and disconnection can be easily effected.

In order to hold the base of the standards 1 in predetermined spaced relation, the chains 27 are provided, and these may be attached in any suitable disconnectible manner to the base knobs of the standards.

A device constructed as above described is made of a minimum number of parts which can be easily and cheaply assembled. It may be quickly knocked down and conveniently packed for shipping by simply separating the wing nuts and clips, whence the standards may be swung around together with the bolt as a pivot, or may be folded and placed in a small space when not in use.

It is obvious that minor changes in the details of construction and the arrangement of parts may be made without departing from the spirit of the invention as set forth in the appended claims.

Having thus described the invention, what is claimed as new and desired to secure by Letters Patent is:—

1. A portable support for a baby swing comprising a plurality of standards, a plurality of identical clips, each having angularly arranged spacing members, one of which is connected to a standard, and means for holding said clips superimposed, said spacing members cooperating to hold said standards in spaced relation.

2. A portable support for a baby swing comprising a plurality of standards, a plurality of superimposed clips, each having flat spacing members, one of said members having depending ears adapted to straddle the spacing member of the clip thereunder and provided with a pivotal connection to a standard, means for holding said clips in fixed superposition.

In testimony whereof we affix our signatures.

HARRY T. KINGSBURY.
EDWARD J. KINGSBURY.