T. A. McPHERSON & J. E. GAMBLE.

SWING SUPPORT.

APPLICATION FILED MAY 23, 1908.

921,441. Patented May 11, 1909.

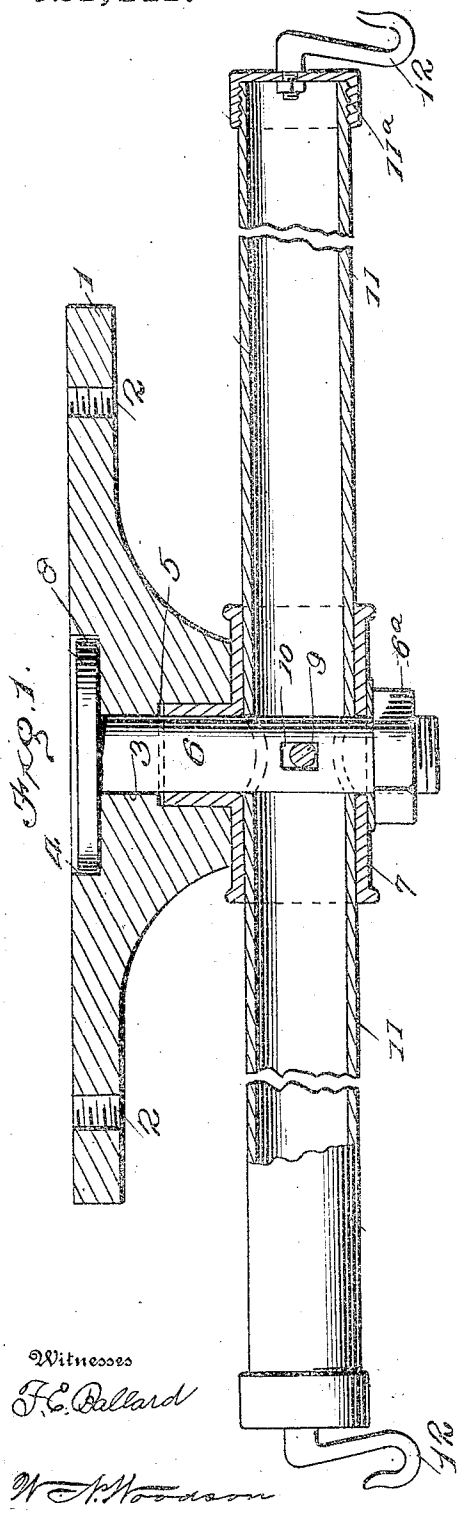


Fig. 1.

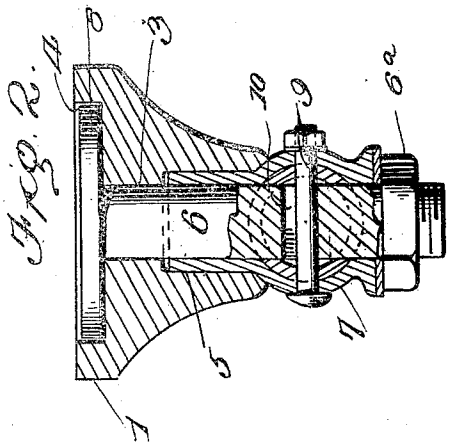


Fig. 2.

Witnesses

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UNITED STATES PATENT OFFICE.

THOMAS A. McPHERSON AND JOHN E. GAMBLE, OF MARTINS FERRY, OHIO.

SWING-SUPPORT.

No. 921,441. Specification of Letters Patent. Patented May 11, 1909.

Application filed May 23, 1908. Serial No. 434,631.

To all whom it may concern:

Be it known that we, THOMAS A. McPHERSON and JOHN E. GAMBLE, citizens of the United States, residing at Martins Ferry, in the county of Belmont and State of Ohio, have invented certain new and useful Improvements in Swing-Supports, of which the following is a specification.

This invention comprehends certain new and useful improvements in suspension supports or hangers for swings, and the invention has for its object, a simple, durable and efficient construction of device of this character, the parts of which are so arranged that they may be readily assembled and disassembled and which is capable of being turned or rotated in operation so that the swing may be easily moved to face in any desired direction, without any necessity of twisting the ropes.

With this and other objects in view, as will more fully appear as the description proceeds, the invention consists in certain constructions, arrangements and combinations of the parts that we shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings in which;

Figure 1 is a longitudinal sectional view of our improved swing support; and, Fig. 2 is a transverse sectional view thereof, the section being taken through the middle of the device.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawings by the same reference characters.

Our improved swing support or hanger comprises a base plate or stand 1 which is formed with apertures 2 to receive screws or other fastening devices by which it may be secured to the ceiling of a porch or the like. The base 1 is enlarged at its middle as shown, and is formed with a vertically disposed opening 3, the upper end of which communicates with an enlarged depression 4 and the lower end of which is enlarged to form a chamber 5.

7 designates a T-coupling one branch of which is fitted within the chamber 5, the said T-coupling being held or suspended to turn about a vertical axis by means of a bolt 6 which extends therethrough and which is mounted for a rotary movement in the vertically disposed opening 3 of the base 1. The bolt 6 is formed with a head 8 which fits within the depression 4.

11 designates a cross arm which may be formed of iron piping or the like and which is inserted in the T-coupling 7, the said arm being provided at its ends with screw caps 11^a and suspension hooks 12 are secured to said caps; the suspension ropes of the swing being fastened in any desired way upon the hooks.

9 designates a key which extends transversely through the T-coupling 7, the cross-arm 11 and also through an opening 10 formed in the bolt 6. The key thereby connects the crossarm, T-coupling and bolt together. A nut 6^a screws on the lower end of the bolt 6 and serves to hold the T-coupling on the bolt and in the chamber 5; it being clear that even should the nut 6^a work loose, the key 9 will prevent the parts from slipping off the bolt.

From the foregoing description, in connection with the accompanying drawings, it will be seen that we have provided a very durable, and efficient construction of hanger or support for a swing, the cross arm 11 being held to rotate upon the bolt 6 as an axis so that the swing may be turned to face in any desired direction.

Having thus described the invention, what is claimed as new is:

1. A device of the character described, comprising a base formed with a central vertically disposed opening extending therethrough, a headed bolt working in said opening, the base being formed in its upper face with a recess in which the head of the bolt fits, the lower end of said opening being enlarged to constitute a chamber, a T-coupling encircling the bolt and fitting in said chamber, a cross arm fitting in said T-coupling and extending in opposite directions therefrom, a nut on the lower end of the bolt and bearing against the T-coupling, hooks secured to the extremities of the cross arm, the bolt being formed with a transverse slot, and a key passing through the coupling and bolt, as and for the purpose set forth.

2. A swing support or hanger, comprising a base formed with a vertically disposed opening extending therethrough, the lower end of said opening being enlarged to constitute a chamber, a T-coupling one branch of

which fits within said chamber, a cross arm fitting in said T-coupling and extending in opposite directions therefrom, a bolt held to rotate in said opening and passing downwardly through the T-coupling, the said bolt being formed with a transverse slot, and a key secured to said T-coupling and passing through said slot.

In testimony whereof we affix our signatures in presence of two witnesses.

THOMAS A. McPHERSON. [L. S.]
JOHN E. GAMBLE. [L. S.]

Witnesses:
MARY C. WADDELL,
HARRY E. EHRIGHT.