Feb. 13, 1923. 1,445,098

H. C. MAYS

SWING ATTACHMENT

Filed Sept. 1, 1921

Fig. 1.

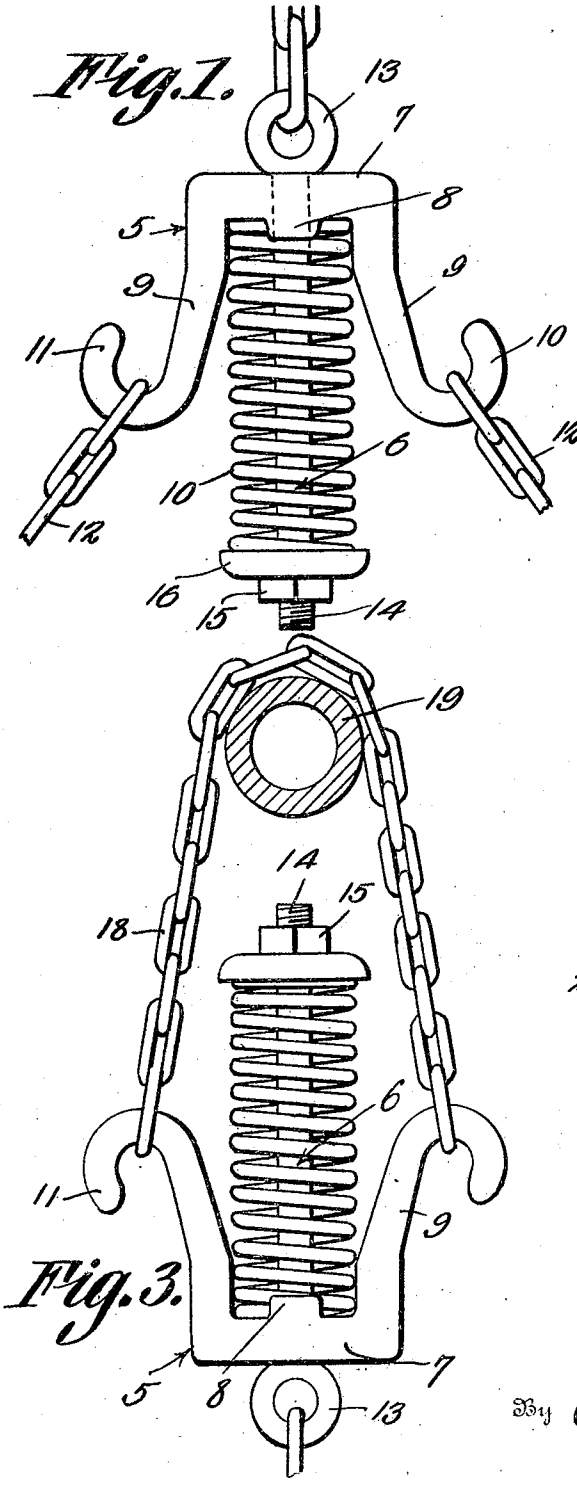
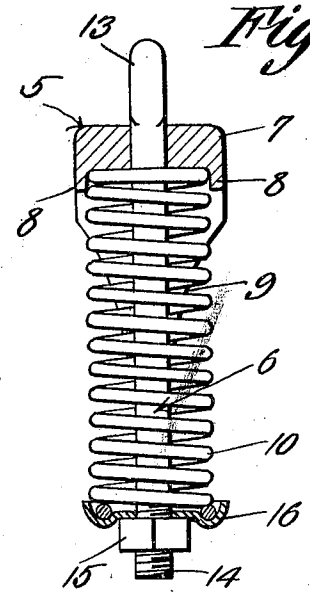


Fig. 3.

Fig. 2.



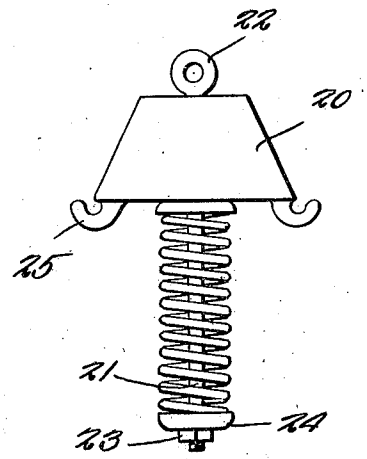


Fig. 4.

Inventor,

H. C. Mays

By C. A. Snow & Co.

Attorneys

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UNITED STATES PATENT OFFICE.

HARRY C. MAYS, OF ALTOONA, PENNSYLVANIA.

SWING ATTACHMENT.

Application filed September 1, 1921. Serial No. 497,503.

To all whom it may concern:

Be it known that I, HARRY C. MAYS, a citizen of the United States, residing at Altoona, in the county of Blair and State of Pennsylvania, have invented a new and useful Swing Attachment, of which the following is a specification.

This invention relates to hangers for porch swings or the like, the primary object of the invention being to provide resilient means forming a part of the hanger to permit of movement of one portion of the hanger with relation to the stationary portion thereof to lend resiliency to the swing or hammock supported thereby.

Another object of the invention is to provide means for insuring against the resilient member, forming a part of the hanger, moving laterally with respect to the members associated therewith.

Another object of the invention is to provide a hanger which may be employed in connection with a swing having chains for connecting the swing to the hanger, or one which may be used with chains having a hook on the free ends thereof.

With the foregoing and other objects in view which will appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment of the invention herein disclosed, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:—

Figure 1 is a side elevational view of a hanger constructed in accordance with the present invention.

Figure 2 is a longitudinal sectional view through the hanger.

Figure 3 is an elevational view of the hanger showing the same in an inverted position or in a position to receive a supporting hook of a swing.

Figure 4 is a modified form of the invention.

Referring to the drawing in detail, the device embodies opposed sections 5 and 6, the section 5 being relatively wide at its central portion as indicated at 7, where the same is provided with lugs 8 formed adjacent to the side edges thereof.

Leg members 9 form parts of the invention, each leg member being shown as extending parallel with the spring member 10 throughout a portion of the length of the spring member, where the same extend outwardly and terminate in hook members 11 that accommodate the chains 12 which also have connection with the swing or hammock supported by the hanger.

Formed substantially centrally of the portion 7 is an opening adapted to accommodate the section 6 which is in the form of a relatively long bolt, one end of which is formed into an eye 13 which may be positioned over the usual ceiling hook employed in connection with devices of this character. The lower end of this section 6 is threaded as at 14 to accommodate the nut 15, which supports the cup or bearing plate 16 which in turn provides a rest for one end of the coiled spring 10 or resilient member of the hanger.

As shown the opposite end of the coiled spring engages the inner surfaces of the central section 7 of the hanger to normally hold the eye 13 of the section 6 into engagement with the central portion 7 of the hanger.

In the use of the device as illustrated by Figure 3 of the drawing, the hanger is shown as in its inverted position, where the same may be efficiently employed as a hanger for hanging swings or the like wherein frames are used, the chain 18 being used for embracing a portion of the supporting rod 19 forming a part of a supporting frame, the ends of the chain having connection with the hook members 11. In this form of the invention the eye 13 may receive the usual hook which connects the free ends of chains of the usual hammock construction.

In the form of the invention as illustrated by Figure 4 of the drawing, the body portion indicated at 20 is provided with an opening extending therethrough, which opening accommodates the rod 21 which is formed with an eye 22 at one end thereof, and a nut 23 at the opposite end to secure the supporting cup 24 to the rod 21.

Hook members 25 are formed integral with the body portion 20 and these hook members are designed to accommodate the usual connecting chains used for connecting the swing or hammock to its hangers.

From the foregoing, it will be seen that due to the construction as shown and described, an exceptionally resilient hanger is

provided, and one in which the elements thereof will not be disconnected when weight is placed on the swing or hammock supported thereby.

I claim:—

A hanger including an elongated body portion having a threaded end, and having an eye formed at the opposite end, a relatively wide section having leg members, said leg members extending outwardly and having their ends terminating in hook members, said relatively wide body portion having lugs cooperating with the leg members to provide a spring seat, a bearing plate positioned on the elongated section, a nut operating on the threaded portion of the elongated section for moving the bearing plate over the elongated section, a coiled spring having one end contacting with the spring seat and having its opposite end positioned on the bearing plate to move therewith, said spring housing the elongated section, and said relatively wide body portion adapted to move over the elongated section.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature.

HARRY C. MAYS.