E. O. STREET.

ADJUSTABLE SWING ROD.

APPLICATION FILED SEPT. 5, 1917.

1,271,383. Patented July 2, 1918.

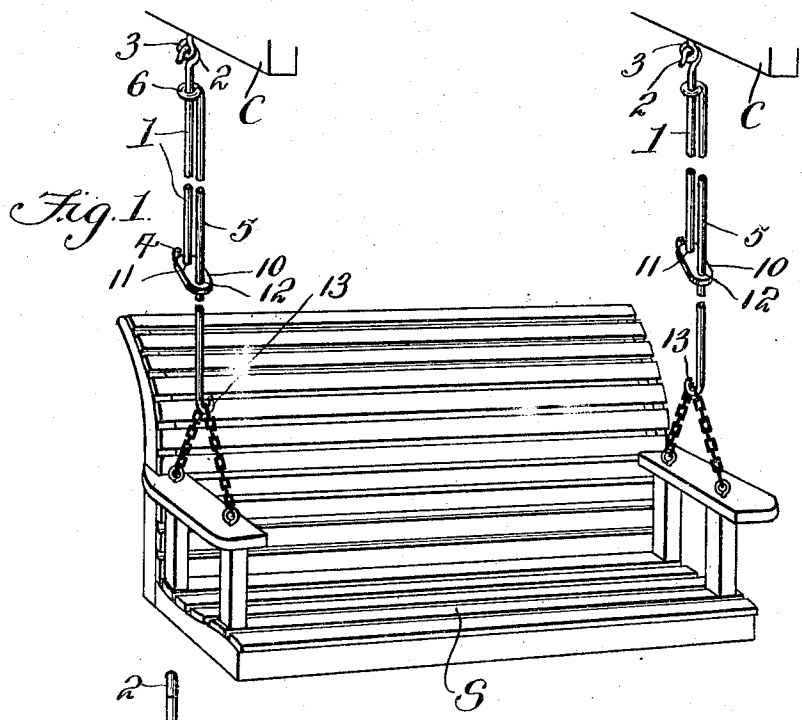


Fig. 1.

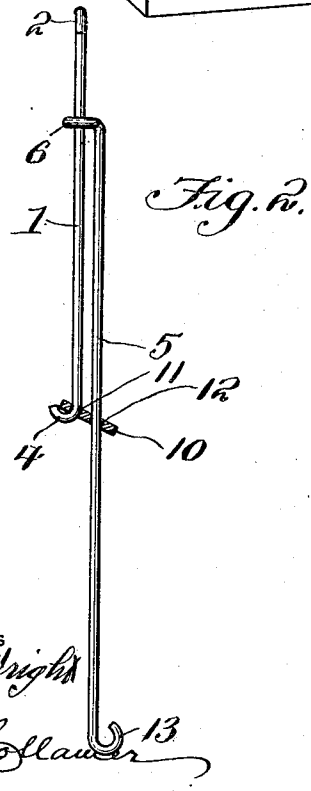


Fig. 2.

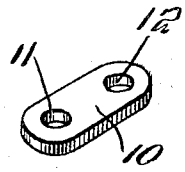


Fig. 3.

WITNESSES

J. L. Wright

N. L. Collamer

INVENTOR

E. O. Street

BY Victor J. Evans

ATTORNEY

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ELMER O. STREET, OF CAVE CITY, ARKANSAS.

ADJUSTABLE SWING-ROD.

1,271,383. Specification of Letters Patent. Patented July 2, 1918.

Application filed September 5, 1917. Serial No. 189,827.

To all whom it may concern:

Be it known that I, ELMER O. STREET, a citizen of the United States, residing at Cave City, in the county of Sharp and State of Arkansas, have invented new and useful Improvements in Adjustable Swing-Rods, of which the following is a specification.

This invention relates to swings, and more especially to the elements which support the seat; and the object of the same is to make such an element in the shape of a pair of overlapping metal members or rods so that the length of the element may be adjusted when desired.

The invention comprises specific means for permitting the adjustment of these members upon each other, all as hereinafter more fully described and claimed.

In the drawings:—

Figure 1 is a perspective view of a swing whose rods or bars are constructed in accordance with this invention.

Fig. 2 is an enlarged detail of one of the rods.

Fig. 3 is an enlarged perspective detail of the clip plate.

I will say at starting that, while I have shown my invention as applied to the side bar of a swing, I do not wish to be limited in this respect because it could obviously be used in other places. I would prefer its use however, where the upper end of the upper member is attached overhead and the lower end of the lower member hangs within reach and is designed to carry some rather weighty article. When two, or perhaps four of these rods are employed, the lower ends of the lower members are connected with a seat S as seen in Fig. 1, and obviously the structure of this seat may be any that is desired. Overhead the swing shown in this view is attached to the ceiling C, as the ceiling of a porch or the like, but this also is a matter of no moment.

Coming now to the details of the rod itself, I preferably make it in two members, each of which is a round rod of appropriate length. The upper member 1 has a hook 2 at its upper end engaging some element such as an eye 3 in the ceiling C or an overhead support, and also it has its lower end curved outwardly and toward the hook 2 as at 4. The lower member 5 stands alongside the upper member or laps it for a considerable distance, and at its upper extremity it is laterally deflected and formed into an eye 6 slidably mounted on the body of the upper member as shown. A clip plate 10 is provided, having two openings 11 and 12 which are preferably in the shape of round holes. One of these, as 11 is strung on the member 1 and rests on its hook 4. The other, as 12, loosely embraces the body of the member 5 but is of such size that when the clip plate is canted the member 5 binds in the hole 12. The lower end of this member carries a hook 13 with which the seat S is connected in any approved manner not necessary to describe in detail.

When now a pair of rods of this kind is employed to support a seat, for instance, the upper ends of the upper members are engaged with eyes 3 or other devices in an overhead element such as the ceiling C, and the load is engaged with the hooks 13 of the lower members as shown. To adjust the load (which in the illustration is the seat S) higher from the floor line of the porch or other place where the swing is hung, all that is necessary is to grasp and raise the two lower members, when their bodies slide through the holes 12 in the clip plates 10 and their eyes or guides 6 slide upward on the bodies of the upper members 1. Thus the rods are shortened. To adjust their length so as to make them longer, all that is necessary is to support the seat or lift its weight slightly, raise the now depressed or canted lower ends of the clip plates 10 so that their holes 12 do not bind on the lower members 5, and slide the latter downward with respect to the upper members 1—the eyes 6 meanwhile sliding on said members as the members 5 themselves slide loosely through the holes 12 in the plates 10. When the seat or other article S has been lowered to the desired point, the clip plates are released and they immediately fall to the oblique positions shown in Fig. 1, where their holes 12 bind on the lower members and prevent the latter from further descent. The greater the load thereafter, the stronger the binding action due to the canting of the clip plates as will be clearly understood.

The parts are preferably entirely of metal, and proportions, materials and other details are not essential.

What is claimed as new is:—

A device of the class described comprising a plate having a pair of openings therein unequal in size, a hook having its shank passed through the larger of said openings and terminating at one end in a right angularly extending eye, a second hook having its shank passed through said eye, and an extension at one end of the shank of the second mentioned hook arranged in the other of said openings and curving outwardly from said shank and toward the bill of the hook.

In testimony whereof I affix my signature.

ELMER O. STREET.

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