No. 740,740. PATENTED OCT. 6, 1903.

G. E. BROWN.

LIMB SUPPORT.

APPLICATION FILED AUG. 2, 1902.

NO MODEL.

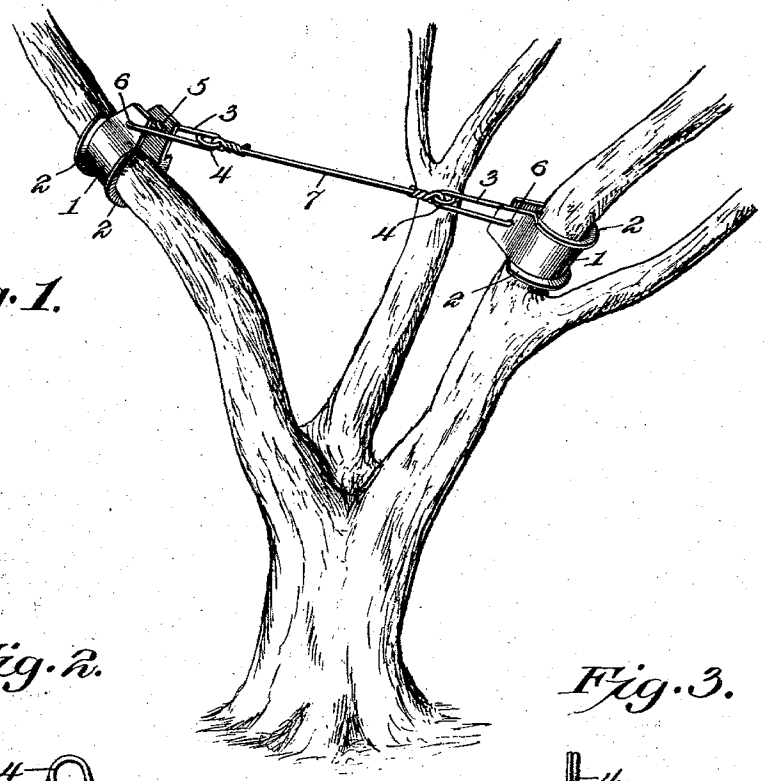


Fig. 1.

Fig. 2.

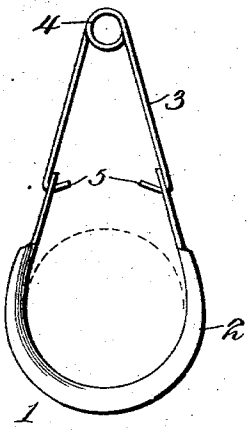
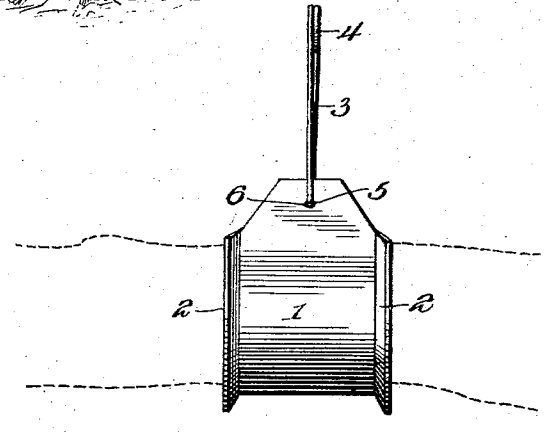


Fig. 3.



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

No. 740,740. Patented October 6, 1903.

UNITED STATES PATENT OFFICE.

GEORGE EDMAN BROWN, OF SELMA, CALIFORNIA, ASSIGNOR OF ONE-HALF TO J. H. WRIGHT, OF SELMA, CALIFORNIA.

LIMB-SUPPORT.

SPECIFICATION forming part of Letters Patent No. 740,740, dated October 6, 1903.

Application filed August 2, 1902. Serial No. 118,193. (No model.)

To all whom it may concern:

Be it known that I, GEORGE EDMAN BROWN, a citizen of the United States, residing at Selma, in the county of Fresno and State of California, have invented a new and useful Limb-Support, of which the following is a specification.

This invention relates to limb-supports, and has for its object to provide an improved device of this character which is adapted to mutually connect a pair of opposite limbs, so that each limb supports the other, thereby to obviate the use of props which are commonly placed beneath the limbs.

It is furthermore designed to arrange for the convenient application of the device, to accommodate the same to limbs of different sizes and to have the terminal limb-receiving seats accommodate themselves to the growth of the limbs, to obviate cutting or otherwise injuring the bark of the limbs, and also to have the strain placed on the seats in such a manner as to prevent twisting of the same and injury to the limbs.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a limb-prop embodying the features of the present invention and shown applied to support a pair of limbs. Fig. 2 is a detail end view of one of the members of the support. Fig. 3 is a side elevation thereof.

Like characters of reference designate corresponding parts in all of the figures of the drawings.

By reference to the accompanying drawings it will be seen that the present device embodies a pair of seats which are connected by means of a rope, wire, or the like. Each seat consists of a looped or substantially U-shaped metallic clip 1, which is formed of sheet metal, so as to be flexible, and it may be either elastic or pliable, as preferred. The opposite edges of the clip are rounded, beaded, or flared, as at 2, so as to obviate sharp edges. The opposite ends of the clip are connected by a substantially U-shaped bail 3, which has its intermediate portion twisted into a spring-coil 4, while its opposite ends are bent into hooks 5, the bills of which extend inwardly and are engaged with suitable perforations 6 in the opposite ends of the clip, so as to form a loose or swinging detachable connection therewith. It will be understood that it is necessary to separate the free ends of the bail to engage the same with the opposite ends of the clip, and when the ends of the bail are released they spring inwardly, and thereby place an inward tension upon the ends of the clip.

In using this device one of the clips is placed astraddle of a limb, preferably from the under side thereof, as indicated in Fig. 1, after which the spring-bail is engaged with the ends of the clip, so as to embrace the clip snugly upon the limb. In the same manner another clip is applied to an opposite limb, and then the two clips are mutually connected by a rope or wire 7, one end of the latter being passed through and secured to the eye formed by the coil of one of the bails, the opposite end of the rope or wire being passed through the eye of the other bail and then drawn tight, so as to bring the limbs up into the desired position, after which the free end of the rope or wire is wrapped upon itself or otherwise secured to the bail. It will here be noted that in view of the pivotal connections between the bails and the clips or seats the bails will automatically assume a position in longitudinal alinement with the connecting rope or wire 7, whereby there will be comparatively little tilting of the clips upon the limbs, and the latter are thereby saved from being damaged by having the edges of the clips cut into the bark. Moreover, as the side edges of the clips are rounded or flared outwardly should the clips tilt there would be no cutting or otherwise damaging of the bark.

It will here be observed that the spring-bails yieldably connect the opposite ends of the clips or seats, and therefore the latter will automatically expand or separate under

the growth of the limb, and therefore will not bind thereon, while at the same time the tension of the bails is sufficient to cause the clips or seats to snugly hug the limbs and prevent accidental endwise displacement of the support upon the limbs.

What I claim is—

1. A limb-support, comprising opposite limb-embracing seats or clips, a connecting member extending between the clips, and bails carried at the opposite ends of the member with the opposite ends of each bail pivotally connected to the adjacent clip or seat.

2. A limb-support, comprising opposite substantially U-shaped clips or seats, a connecting member extending between the same, and bails carried at the opposite ends of the member with the opposite ends of each bail pivotally connected with the opposite sides of the adjacent clip.

3. A limb-support, comprising opposite substantially U-shaped clips or seats, a connecting member extending between the same, and a spring-bail carried at each end of the member with the opposite ends of each bail pivotally connected with the corresponding ends of the adjacent clip.

4. A limb-support, comprising substantially U-shaped clips or seats, a connecting member extending between the same, and substantially U-shaped spring-bails secured to opposite ends of the connecting member, each bail having its intermediate portion twisted into a spring-coil, and its opposite ends pivotally connected to the corresponding ends of the adjacent clip.

5. A limb-support, comprising substantially U-shaped clips or seats provided with terminal perforations, a connecting member extending between the clips, and bails connected to opposite ends of the member, each bail being provided with opposite terminal hooks pivotally engaged with the perforations of the adjacent clip.

6. A limb-support, comprising opposite substantially U-shaped seats or clips, a connecting member extending between the same, and bails secured to opposite ends of the member, the opposite ends of each bail having a pivotal and detachable connection with the corresponding ends of the adjacent clip.

7. A limb-prop, comprising opposite substantially U-shaped flexible clips or seats having their opposite edges rounded or flared outwardly and provided with perforations in their opposite ends, bails having intermediate spring-coils and terminal hooks detachably and pivotally engaged with the perforations of the respective clips, and a connecting member extending between the clips with its opposite ends secured to the eyes formed by the spring-coils of the bails.

8. A limb-support, having a laterally-yieldable substantially U-shaped clip or seat and a bail yieldable laterally of the clip or seat and having its opposite ends connected to the opposite sides of the clip.

9. A limb-support, having a yieldable substantially U-shaped seat or clip, and a spring-bail having its opposite ends pivotally connected to the corresponding ends of the seat or clip.

10. A limb-support, having a yieldable substantially U-shaped clip or seat, provided with opposite terminal perforations, and a bail having an intermediate spring-coil forming an eye and its terminals bent into inwardly-directed hooks which are detachably and pivotally engaged with the perforations of the clip.

11. A limb-support, comprising a pair of expansible substantially U-shaped clips or seats, and a member connecting the clips and secured to the opposite sides thereof.

12. A limb-support, comprising a pair of substantially U-shaped clips, a connecting member for said clips, and a pair of bails having their closed ends loosely secured to the opposite ends of the connecting member with the free ends of their opposite sides pivotally and detachably connected to the free ends of the corresponding sides of the respective clips.

13. A limb-support comprising opposite substantially U-shaped clips or seats, and connecting means pivoted to the clips or seats at opposite sides thereof and arranged to swing longitudinally of the limbs, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

GEORGE EDMAN BROWN.

Witnesses:

C. M. STYPE,

E. P. TODD.