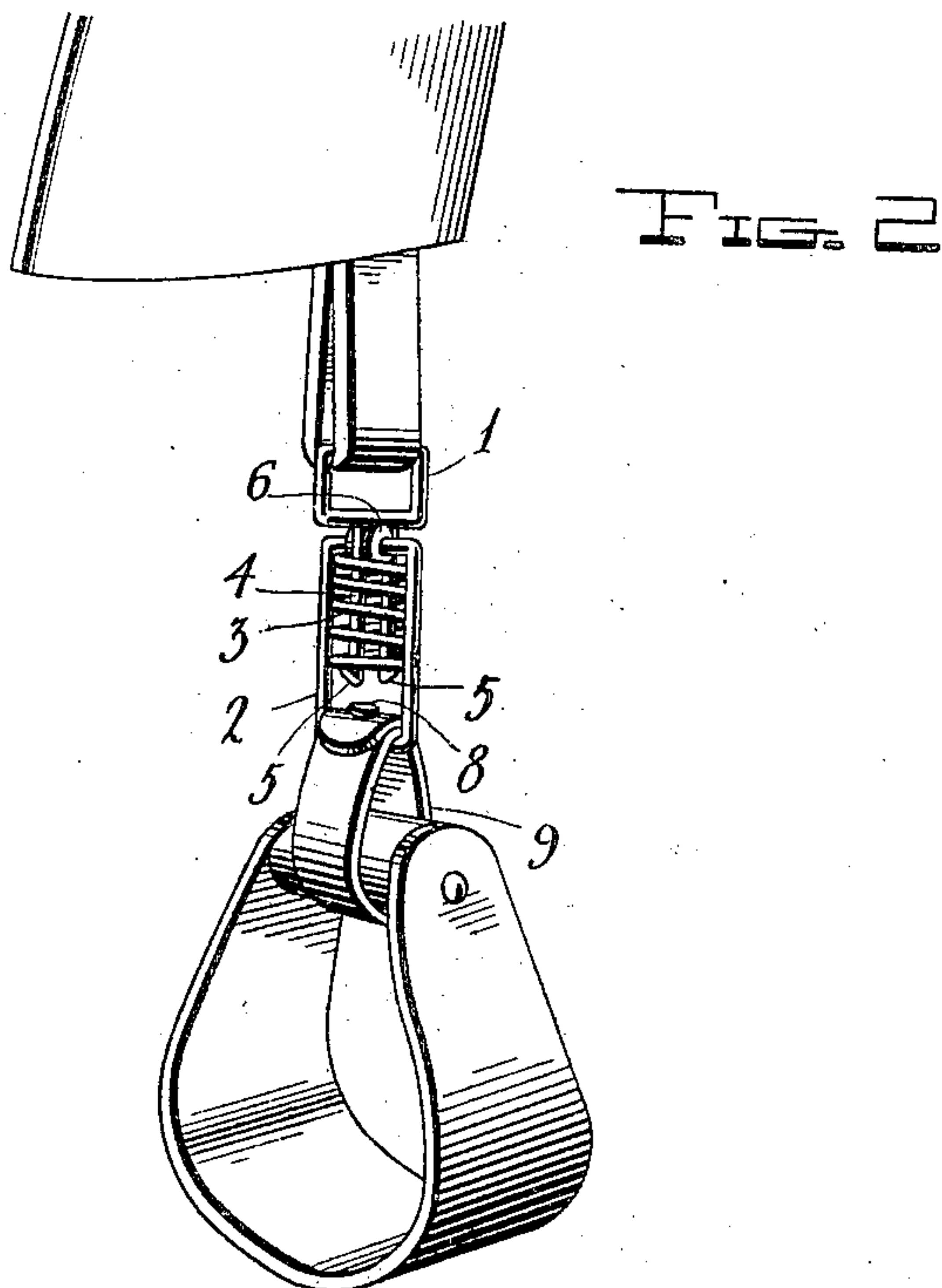
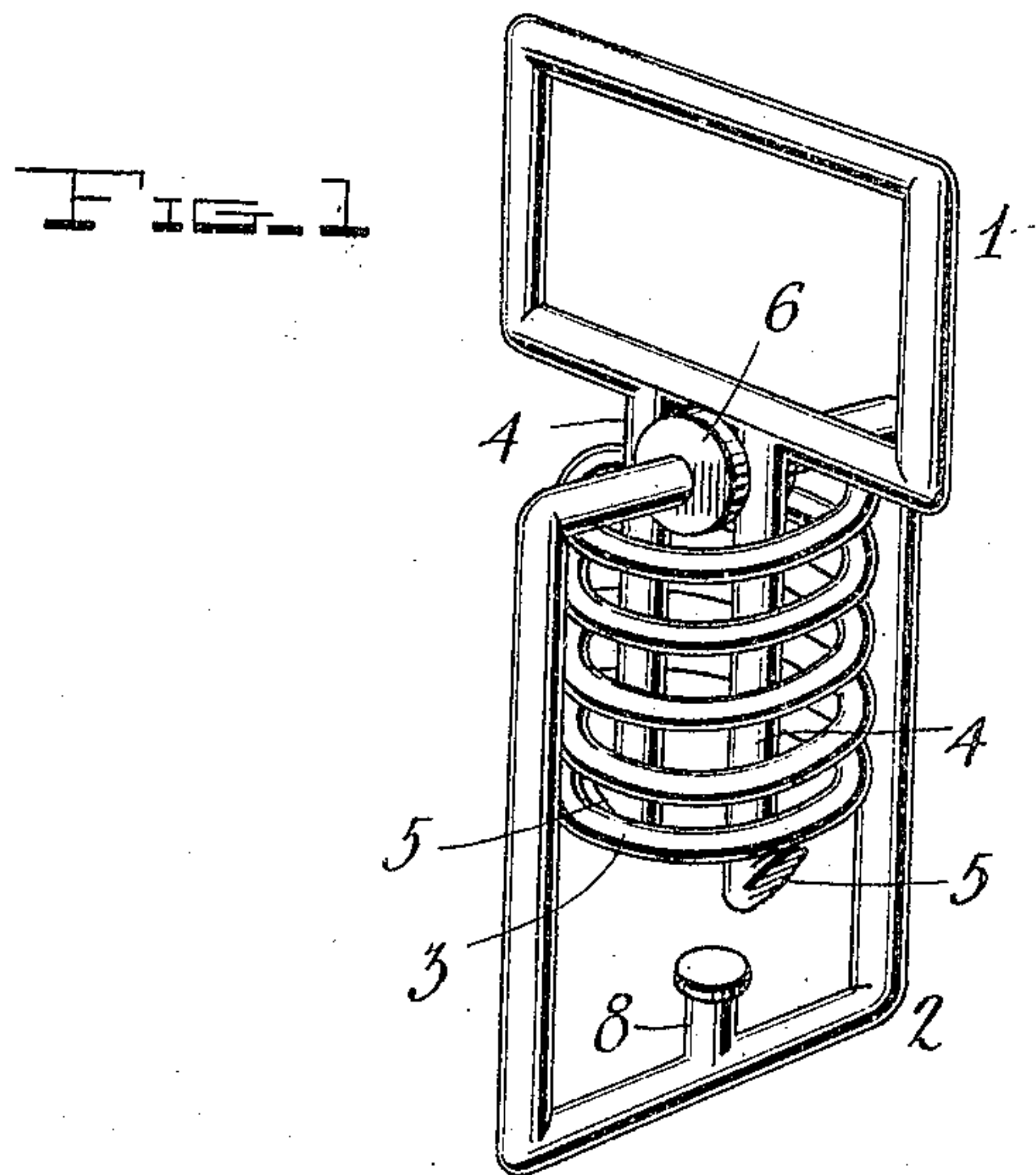


No. 822,731.

PATENTED JUNE 5, 1906.

S. P. FOSTER.  
STIRRUP AND HAMMOCK SPRING.  
APPLICATION FILED DEC. 7, 1905.



Witnesses  
*J. L. Smith*  
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# UNITED STATES PATENT OFFICE.

SAMUEL P. FOSTER, OF DALTON, GEORGIA.

## STIRRUP AND HAMMOCK SPRING.

No. 822,731.

Specification of Letters Patent.

Patented June 5, 1906.

Application filed December 7, 1905. Serial No. 290,843.

*To all whom it may concern:*

Be it known that I, SAMUEL P. FOSTER, a citizen of the United States, residing at Dalton, in the county of Whitfield and State of Georgia, have invented certain new and useful Improvements in Stirrup and Hammock Springs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention is an improved spring for use for hanging stirrups and hammocks to enable the same to yield and spring; and it consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a stirrup and hammock spring embodying my improvements, and Fig. 2 is a similar view showing the same in use in connection with a stirrup.

My improved spring appliance for use in connection with a stirrup or a hammock comprises a pair of links 1 2 and a spring 3. The link 1 is provided with a pair of downwardly-extending guide-arms 4, properly spaced apart and provided at their lower ends with outwardly-extending shoulders 5. The upper bar of the link 2 passes between the said guide-arms and is provided near its center with collars 6, which bear against said guide-arms and serve to direct the movement of the link 2 with relation to the link 1. The lower bar of the link 2 is provided with an upstanding headed stud 8 for engagement by a loop 9 when the device is in use in connection with a stirrup, as shown in Fig. 2. The spring, which is a coiled extensile spring, is placed on the guide-arms with its lower end bearing on the outstanding shoulders at the lower ends of said guide-arms and its upper end bearing under the upper bar of the lower link 2. The upper link serves for the attachment of the stirrup-strap of a saddle, and it will be understood that the spring effects a yielding connection between the links 1 2, so as to adapt the stirrup to yield somewhat when pressed

upon by the rider. A saddle provided with my improved spring devices adds materially to the comfort both of the rider and his mount. Moreover, owing to the fact that the lower link 2 is arranged at right angles to the upper link 1, my improved spring connection serves to maintain the stirrup in the required position at right angles to the stirrup-strap. It will be further understood that the upper bar of the lower link and the depending guide-arms of the upper link effect a pivotal slidable connection between the upper and lower links, thus allowing free movement to the stirrup. My spring connection is also useful in cushioning stress applied to the stirrup-strap by the weight of the rider in mounting and dismounting and in preventing the stirrup-strap from breaking.

My improved spring connection when used in hanging a hammock causes the hammock to yield easily to the motion of the occupant and prevents the stress of the weight of the body of the occupant from being applied instantly to the rope or chain from which the hammock is hung, and hence prevents the same from breaking.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

1. The combination of the upper link having the depending guide-arms, the lower link having the upper bar between and slidably and pivotally related to the guide-arms, and the spring forming a yielding connection between said links.

2. In a device of the class described, the combination of a pair of links disposed at right angles to each other, and slidably and pivotally connected to each other, and a yielding spring connection between the said links, for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

SAMUEL P. FOSTER.

Witnesses:

WM. CARROLL,  
CHAS. KREISCHER.