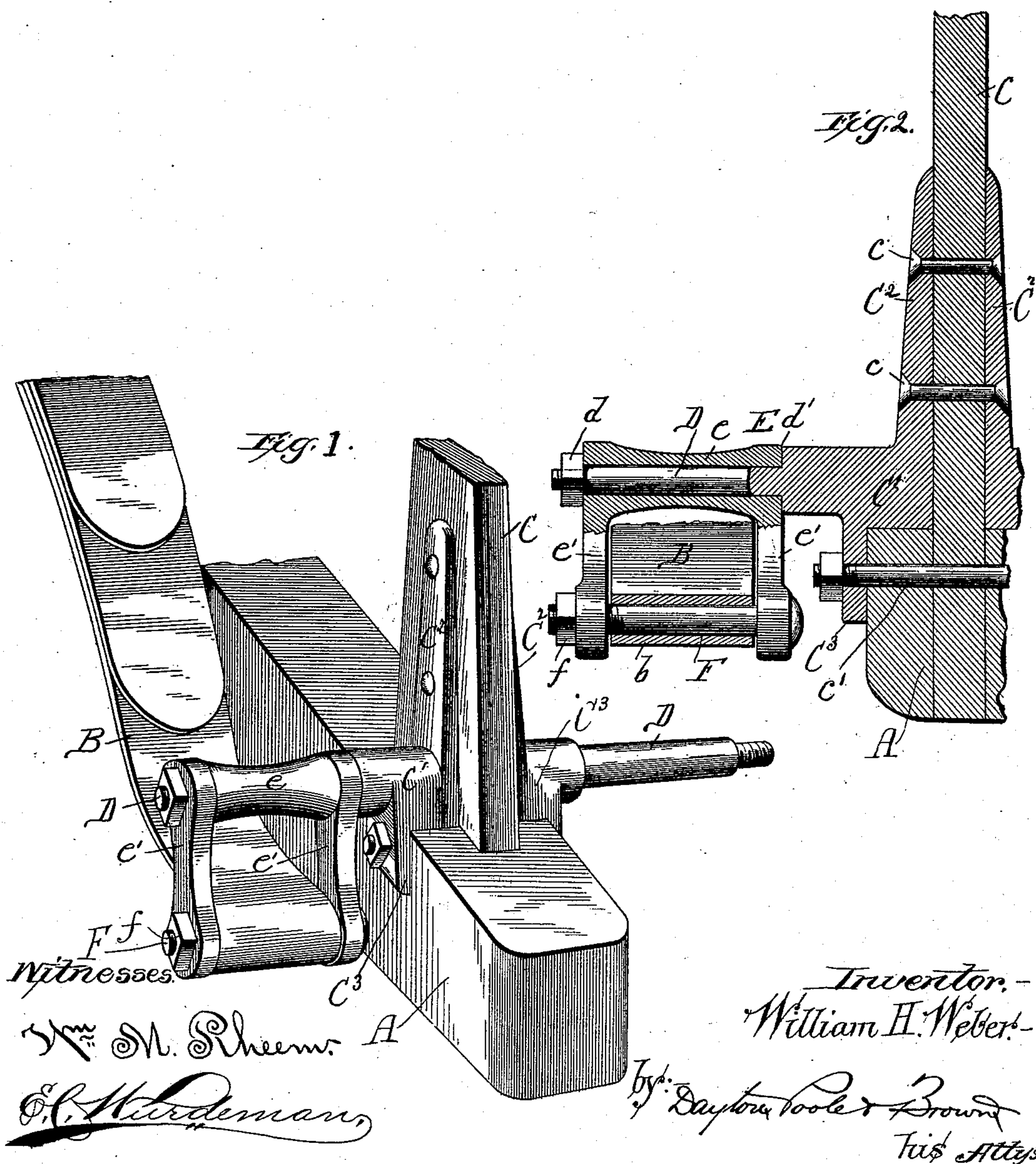


(No Model.)

W. H. WEBER.  
BOLSTER SPRING.

No. 524,365.

Patented Aug. 14, 1894.



Witnesses.

Wm. M. Rheem.

E. C. Hardeman.

Inventor.  
William H. Weber.

By: Dayton Poole & Brown  
His Attys.



# UNITED STATES PATENT OFFICE.

WILLIAM H. WEBER, OF CHICAGO, ILLINOIS.

## BOLSTER-SPRING.

SPECIFICATION forming part of Letters Patent No. 524,365, dated August 14, 1894.

Application filed April 28, 1891. Renewed April 27, 1894. Serial No. 509,202. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM H. WEBER, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Bolster-Springs; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to wagon bolster springs, and more particularly to means for connecting said springs with the bolster, and has for its object, among other things, to render the connection between the springs and bolster more efficient and durable, and at the same time easier to assemble and disconnect, and to provide a free movement of the springs by reason of the connection mentioned.

It also has for a further object to combine the stake supporting and bolster-spring securing devices in order to simplify and strengthen the structure.

To these ends my invention consists in certain novel features which I will now proceed to describe and will then particularly point out in the appended claims.

In the accompanying drawings: Figure 1 is a perspective view of a structure embodying my invention; and Fig. 2 is a transverse vertical sectional view thereof, partly in elevation; the section being taken through the middle of the stake.

As shown, A represents the bolster, and B one of the semi-elliptical springs to be connected therewith. In practice there are two of these springs employed, one on each side of the bolster, and connected with said bolster at each end thereof, but in the drawings only one end of the bolster and of one spring is shown, as this is all that is necessary for a proper comprehension of my invention, it being understood that the connection at both sides and at both ends of the bolster is the same as that shown.

C represents a wooden stake which is tenoned into the bolster in the usual manner. This stake is braced or reinforced by supports, one on each side of said stake and each consisting of a base C' resting on the bolster,

an upward extension or strap C<sup>2</sup> in contact with the side of the stake, and a flange C<sup>3</sup> extending downward over the upper edge of the bolster. The upward extensions C<sup>2</sup> of these supports are secured together in any suitable manner, as by rivets c which pass through the stake, while the flanges C<sup>3</sup> embrace the upper part of the bolster and are connected by a bolt c' passing not only through the bolster but through the stake tenon as well, as shown in Fig. 2.

D represents pivot pins cast integral with, or rigidly secured to, the base C' of the stake supports. These pins extend laterally outward on each side of the bolster, i. e. to the front and rear, and their ends are preferably reduced and are threaded to receive nuts d. Upon each pivot pin is mounted a shackle E composed of a sleeve portion e which fits the pivot pin D, and depending arms e' at each end of said sleeve portion, said arms e' being apertured at their lower ends to receive a pivot-bolt F provided with a nut f. The end of the spring B is formed into or provided with a sleeve b which is adapted to fit between the depending arms e' of the shackle E, and the pivot bolt F passes through the said sleeve b as well as through the arms e', thereby uniting the shackle and springs. The pivot pins D are also each provided with a shoulder d' between which and the nut d the shackle is so held as to prevent excessive end movement of the shackle on the pin.

It will be noted that with this construction either spring may be readily disconnected from its shackle, or either shackle from its pivot pin, and as easily replaced. It will also be observed that the shackles have firm, smooth and durable bearings on the pivot pins which serve to effectually support said shackles. Moreover, the pivot pins being secured to the stake supports, a simple, compact, efficient and economical construction in the parts is thus provided.

I claim—

1. The combination with a bolster and stake, of a two-part support for said stake secured to said bolster, one part on each side of the stake, pivot pins rigidly secured to said supports, shackles pivotally mounted on

said pins and bolster springs with which said shackle is pivotally connected, substantially as described.

2. The combination with a bolster and a  
5 stake tenoned therein, of a two-part support for said stake, each part comprising a base resting on the bolster, an upwardly extending strap, and a downwardly extending flange, the said straps embracing the stake and being  
10 connected by rivets or the like, and the said flanges embracing the bolster and being connected by a bolt passing through the

bolster and stake tenon, a fixed pivot pin rigidly connected with each base, a shackle pivoted on each pin, and bolster springs pivotally connected with said shackles, substantially as described. 15

In testimony that I claim the foregoing as my invention I affix my signature in presence of two witnesses.

WILLIAM H. WEBER.

Witnesses:

TAYLOR E. BROWN,  
IRVINE MILLER.