J. C. LEATHERS.

Vehicle-Spring Support.

No. 207,533. Patented Aug. 27, 1878.

Fig. 1.

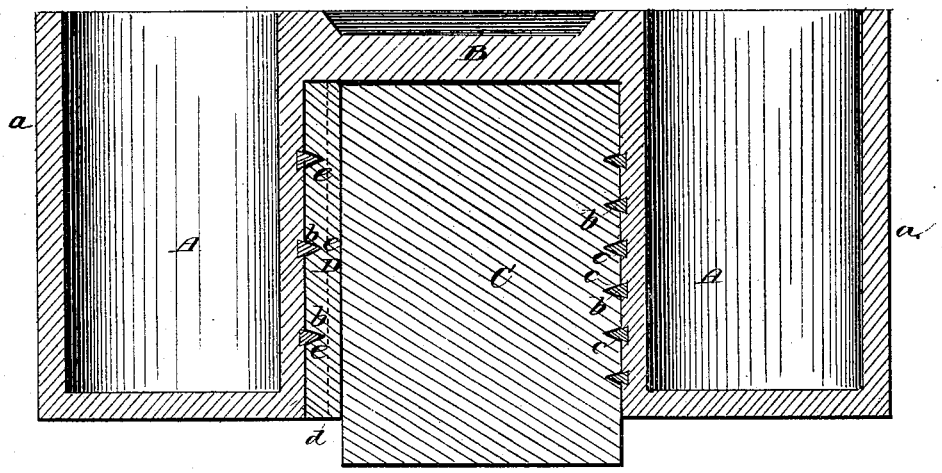


Fig. 2.

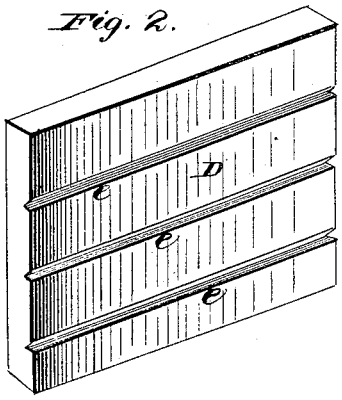


Fig. 3.

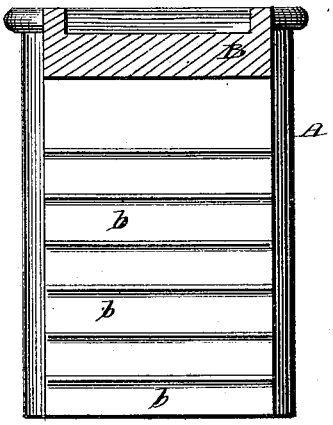
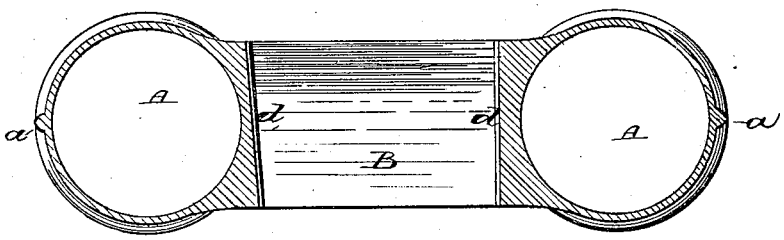


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN C. LEATHERS, OF PIQUA, OHIO.

IMPROVEMENT IN VEHICLE-SPRING SUPPORTS.

Specification forming part of Letters Patent No. **207,533**, dated August 27, 1878; application filed July 31, 1878.

To all whom it may concern:

Be it known that I, JOHN C. LEATHERS, of Piqua, in the county of Miami and State of Ohio, have invented certain new and useful Improvements in Vehicle-Spring Supporters; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a vertical longitudinal section of my improved vehicle-spring supporter. Fig. 2 is a detached view of the fastening key or wedge. Fig. 3 is a cross-section taken about centrally through the supporter, exposing to view, in particular, the ribs upon its inner side; and Fig. 4 is a horizontal section of my improved supporter.

The same part in the several figures is denoted by the same letter.

This invention appertains to certain improvements in means for applying springs to vehicles; and it consists in the particular construction of the fastening for securing the spring sockets or supporters to the bolsters, substantially as hereinafter more fully set forth.

In the drawing, A A refer to the sockets or supports for the springs, whose inner surfaces are each perfectly cylindrical without the vertical recess or concavity, as heretofore constructed, the presence of which would more or less weaken the said sockets or supports.

Each of these sockets or supporters is cast upon its external circumference, with a vertical web, *a*, to strengthen the same, and they are connected together by a bridge or plate, B, which rests upon the bolster or bolsters C. Usually eight of these sockets, or four pairs, are adjusted to the two bolsters of a vehicle—one pair disposed at each end of a bolster. When desired six can be used by omitting one socket or support from each pair, and arranging a socket or support at each end of the bolsters and one about centrally of each bolster.

Upon the inner straight surfaces of the sockets or supports are tapering ribs *b b*, which may be of any number desired.

The bolster or bolsters C are provided on one side with correspondingly-constructed recesses or grooves *c c*, which, as the supports or sockets A with their springs are slid on the bolster, receive the ribs on one side thereof. The opposite side of the socket-separating opening or space is inclined in horizontal section, as at *d*, in addition to having ribs *b*, and the said space between the two sockets is of sufficient width to permit of the insertion of a key, D, between the bolster and the inclined surface of socket, as seen in Fig. 1. The side of the key D placed next to the inclined surface of socket is provided with a number of recesses or slots, *e*, corresponding with the ribs *b* on said surface of socket, and which they receive as the wedge or key D is driven home.

By the above construction and arrangement of parts a secure fastening is provided in securing the spring sockets or supports to the bolsters, and one which admits of the ready and easy adjustment of the same to the bolster or vehicle and the expeditious removal thereof, which adjustment is effected without the use of bolts or other similar fastenings.

Having thus fully described my invention, I claim and desire to secure by Letters Patent of the United States—

The connected-together sockets or supports A, one having an inclined surface, *d*, and each provided with tapering ribs *b*, in combination with the bolster C, having recesses or slots *c c*, and key D, having recesses or slots *e e*, substantially as and for the purpose set forth.

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

JOHN C. LEATHERS.

Witnesses:

S. B. GARVEY,

M. B. UPTON.