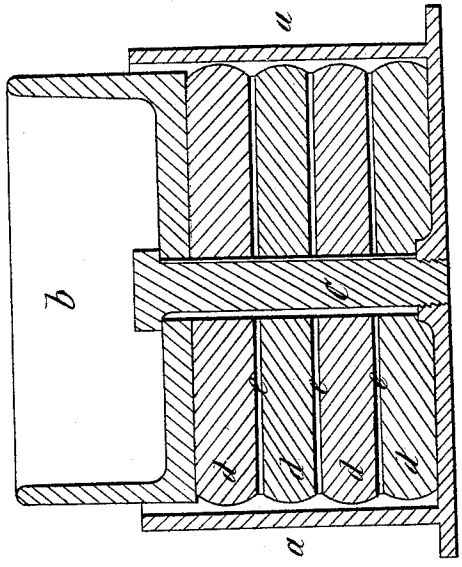
T. SHAW.

Car Spring.

No. 49,560. Patented Aug. 22, 1865.



Witnesses:

Robert Hutchinson

Washington Gear

Inventor:

Thomas Shaw

AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS.)

UNITED STATES PATENT OFFICE.

THOMAS SHAW, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVED CAR-SPRING.

Specification forming part of Letters Patent No. **49,560**, dated August 22, 1865.

To all whom it may concern:

Be it known that I, THOMAS SHAW, of the city and county of Philadelphia, Pennsylvania, have invented a new and Improved Car-Spring; and I hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing, and to the letters of reference marked thereon.

My invention consists in employing cork as a substitute for gum and steel, as hereinafter described.

In order to enable others to use and practice my invention, I will proceed to describe its construction and operation.

On reference to the accompanying drawing, which forms a part of the specification, the sketch represents a vertical section through the center of the spring, of which *a* is the box or body, in which a cap, *b*, fits loosely, pressing upon four disks of cork, *d*, intervening which are three disks of sheet metal, *e*, the whole of which are secured to box *a* by means of screw *c*.

The cork has sufficient elasticity, with great supporting power, and can be used with or without a box, *a*. The plates *e* are employed to prevent the spreading of the cork.

Cork is most elastic when moistened, in view of which I prepare the cork by boiling in (or soaking in) molasses and water. The molasses that is absorbed keeps the cork moistened.

What I claim, and desire to secure by Letters Patent, is—

The employment of cork in the manner and for the purpose set forth.

THOMAS SHAW. [L. S.]

Witnesses:

ROBERT HUTCHINSON,

WASHINGTON J. GEAR.