

J. L. BRANSON.
FURNITURE SPRING.

No. 182,745.

Patented Oct. 3, 1876.

fig. 1.

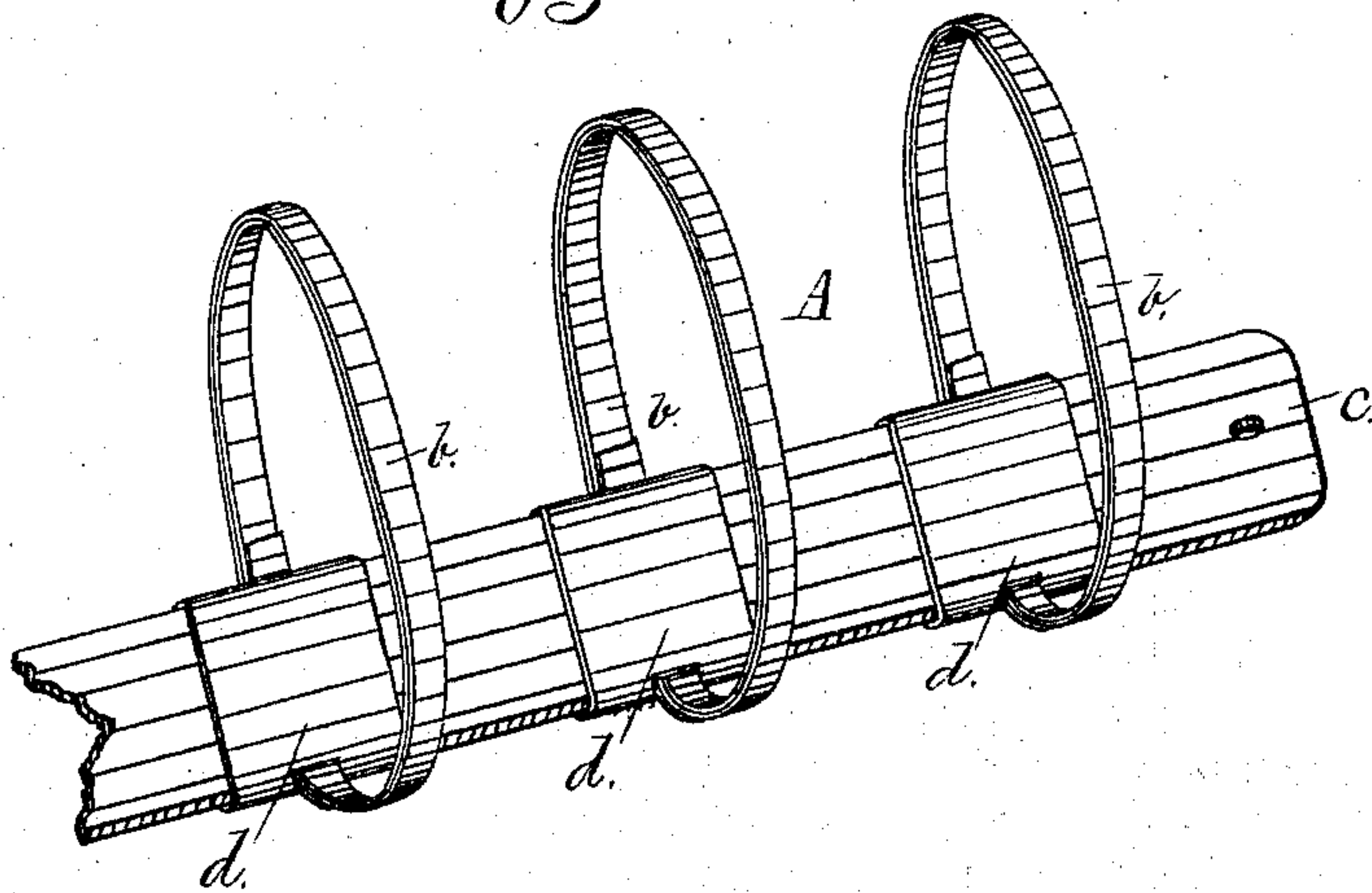
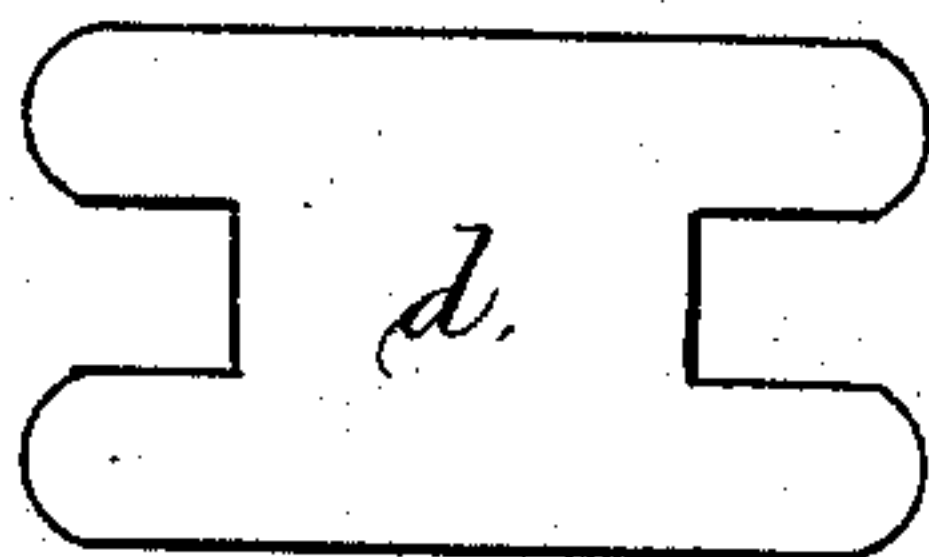


fig. 2.



Witnesses:

George T. Smallwood Jr.
John Hoberg Jr.

Inventor:

Jesse L. Branson.
By John J. Halsted.
his Atty.

UNITED STATES PATENT OFFICE.

JESSE L. BRANSON, OF CINCINNATI, OHIO.

IMPROVEMENT IN FURNITURE-SPRINGS.

Specification forming part of Letters Patent No. 182,745, dated October 3, 1876; application filed September 29, 1875.

To all whom it may concern:

Be it known that I, JESSE L. BRANSON, of the city of Cincinnati, county of Hamilton, and State of Ohio, have invented an Improved Combination-Spring for Car-Seats, Furniture, &c.; and I do hereby declare that the following, taken in connection with the drawings which accompany and form part of this specification, is a description of my invention sufficient to enable those skilled in the art to practice it.

My invention relates to springs adapted for car-seats or car-seat backs, furniture, &c., where a set or number of springs are needed; and it consists in a combination-spring, all ready to be applied at once to the seat, back, or article for which it is intended, the combination consisting of a series of flat steel annular springs, a flat metal strap connecting such series, and clasps which unite such strap to each annulus of the series.

Figure 1 is a perspective view of a combination-spring, illustrating my invention; and Fig. 2 a plan of a clasp suitable for securing the parts together.

A represents a combination-spring, made in accordance with my invention, and in which *b* indicates the annular springs, each made of a coil or coils of flat steel, *c* the metal connecting-strap, and *d* the clasps by which the strap is secured to the springs.

The metal strap *c* may be of any length desired, dependent on the number of annular springs required, and the length (or breadth, as the case may be) of the frame to which the complete spring is to be applied.

The strap *c* is made to extend far enough beyond the first and the last spring to enable it to be secured to the frame, and for this purpose is preferably provided at its ends with holes for screws, nails, or other fastening device.

The clasps may perform the double duty of securing the ends of each annular spring, and of also securing the strap to the spring; or the ends of each annulus may be riveted or otherwise secured before the strap and clasps are applied.

I am aware that annular springs have been heretofore used. These, therefore, of themselves, I do not claim.

I claim—

In combination, a series of annular springs, made of flat steel, a metal strap applied thereto, as shown, and clasps serving to unite the strap to each of the springs, substantially as set forth.

JESSE L. BRANSON.

Witnesses:

JOHN ROBESY, Jr.,
JOHN J. HALSTED.