

McCarr,

Furniture Spring,

No 89,736,

Patented May 4, 1869.

Fig. 1.

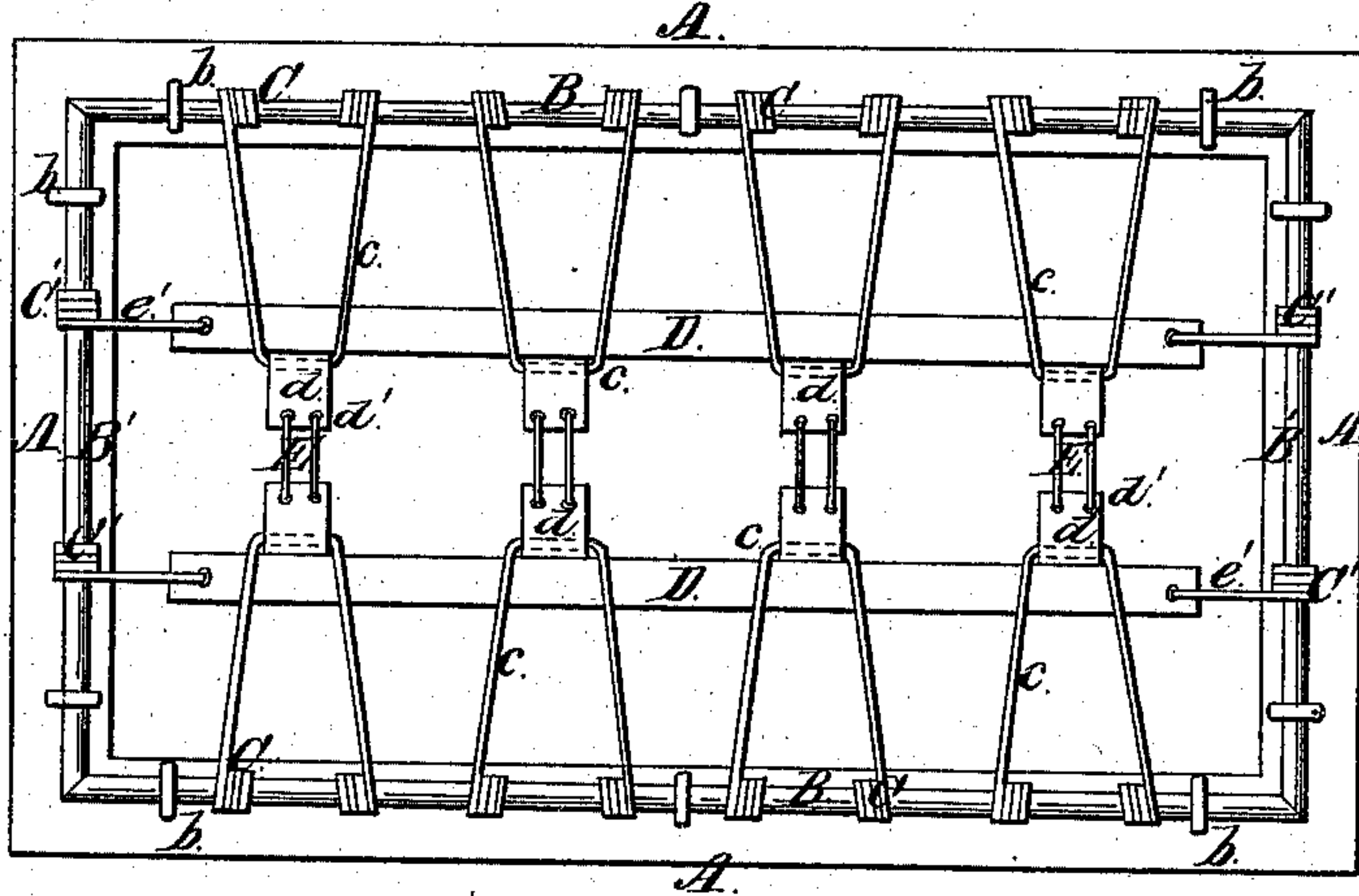
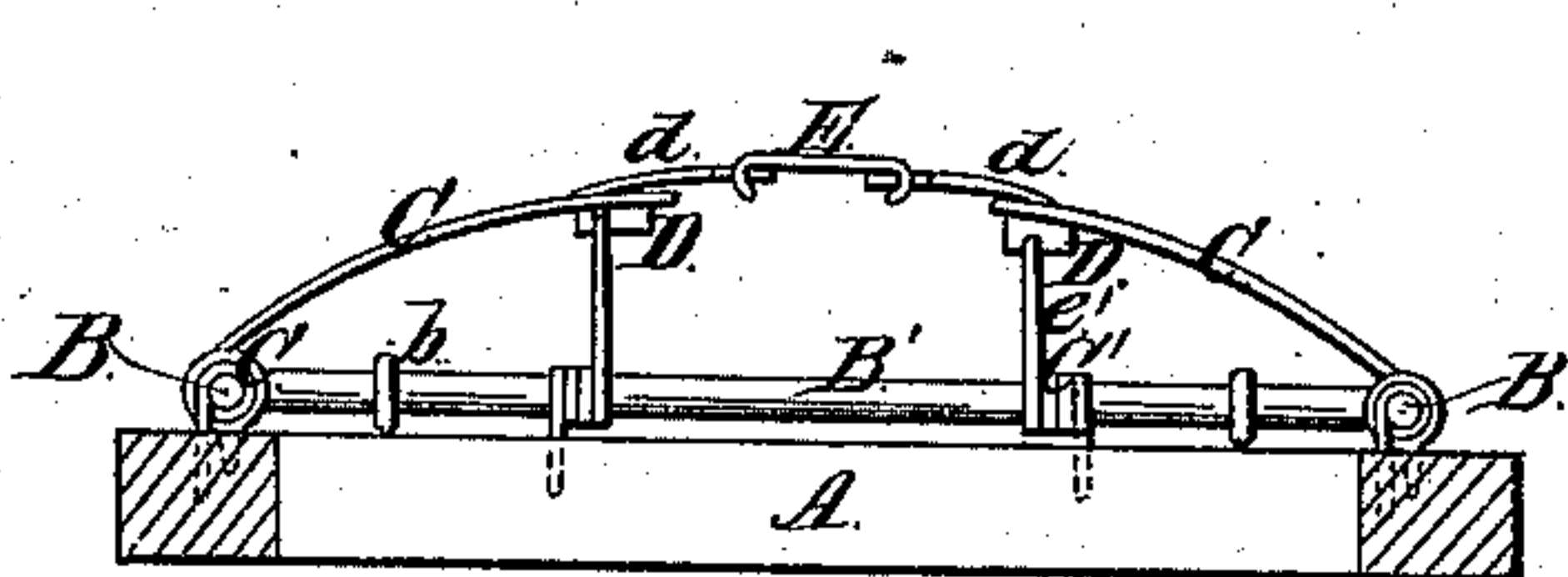


Fig. 2.



Witnesses.

Robert Burns.

William W. North

Inventor.

Witnessed by his attys
North & Co

United States Patent Office.

WILLIAM CARR, OF ST. LOUIS, MISSOURI, ASSIGNOR TO HIMSELF
AND CHARLES P. FORD, OF SAME PLACE.

Letters Patent No. 89,736, dated May 4, 1869.

IMPROVED SPRING-SEAT FOR CHAIRS, WAGONS, CARS, &c.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, WILLIAM CARR, of St. Louis, in the county of St. Louis, and State of Missouri, have made certain new and useful Improvements in Spring-Seats for Cars, Wagons, Chairs, &c.; and I do hereby declare that the following is a full and clear description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of this invention is in the arrangement of a leather or similar band with tongues interlocking with the springs, and connected by hooks in such manner as to keep the springs at proper distances apart, and at the same time distribute on the springs the superincumbent weight.

To enable those herein skilled to make and use my said improvements, I will now more fully describe the same, referring to the accompanying

Figure 1 as a plan; to

Figure 2 as a sectional elevation.

I arrange my said spring-seat bottom usually upon a rectangular frame, A, formed to fit the seat for which the same is intended. But an additional frame, A, to the frame of the seat is not needed, as the parts may be directly attached to the fixed seat-frame of the wagon or car.

Upon the proper frame A I arrange the rods B, supporting these by eye-bolts b.

Upon the rods B I coil the elastic springs C, formed generally as indicated in figs. 1 and 2, the ends of the springs being turned down, and secured in the frame A, and said springs forming the loops c.

On the longer sides of the frame A the springs C thus placed will lie directly opposite to each other, as shown in fig. 1.

At the shorter sides of the said frame I secure on

bars B' half springs C', securing the same at ends in the frame A similarly to the springs C.

The single projecting wire c' of said springs C' will hook into the leather, rubber, or other bands D.

The main strips of said bands extend along under all the loops c of the main springs C; but said bands have tongues d, which are thrown over the ends of the loops c, thus connecting the loops c and their springs longitudinally with each other.

At ends the tongues d are punched with holes d' to admit the joint hooks E, which join the opposite tongues, and thus make the transverse connection of the parts.

The said improvement is applicable in forming bed-bottoms or bottoms for chairs, car or wagon-seats, and it is advantageous in its simplicity of construction and easy adjustment. A padded cover is usually thrown over the bottom thus formed, and it is plain that in case of any required repair to the springs or bands above described, such repairs may be readily made without disturbing or removing the cover above the bottom.

Having thus fully described my invention,

What I claim, is—

The bands D, passing under the loops c of the springs C, and the tongues d passing over the same, (or the reversed arrangement,) when combined with the springs c' and hooks E, substantially as set forth, and for the purposes specified.

In witness of said invention, I have hereunto set my hand, in the presence of—

WM. CARR.

Witnesses:

GEO. P. HERTHEL, Jr.,
WM. W. HERTHEL.