

C. B. Smith,
Furniture Spring,
N^o 82,760. Patented Oct. 6, 1868.

Fig. 1.

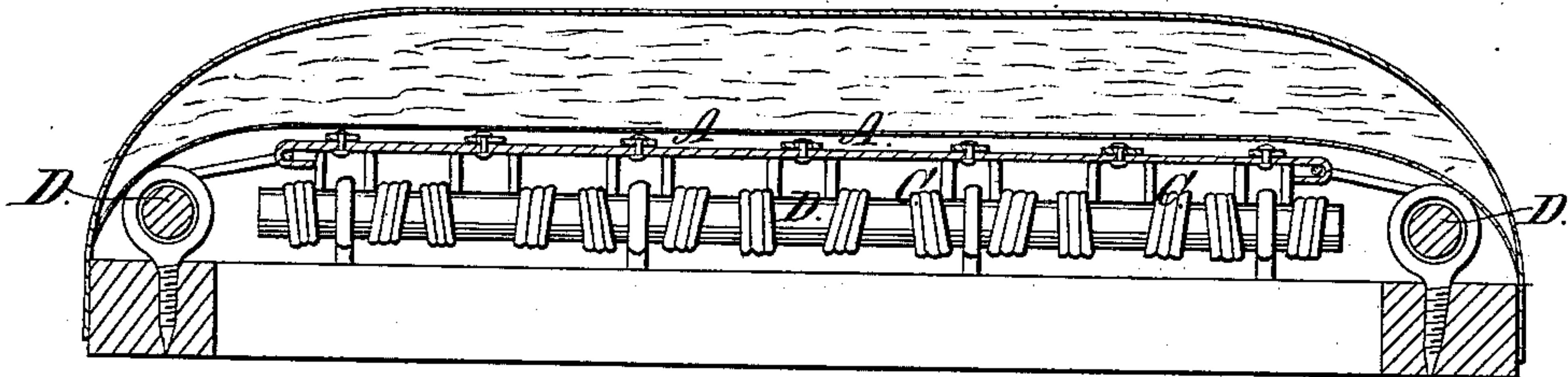
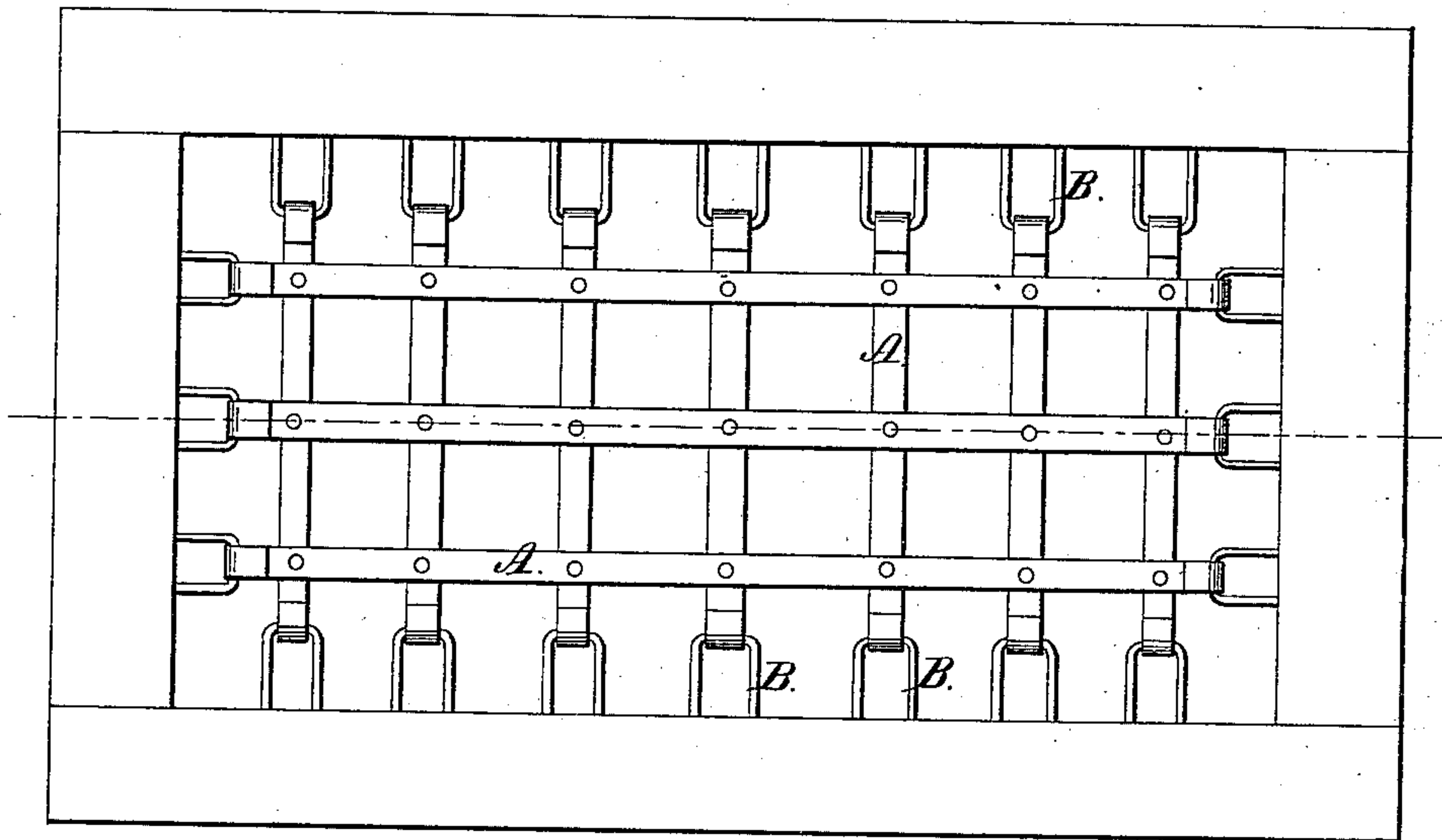


Fig. 2.



Witnesses.
Wm A. Morgan
G. C. Cotton

Inventor.
Chas. B. Smith
per Wm. L. L.
Attorney

United States Patent Office.

CHARLES B. SMITH, OF SPRINGFIELD, ILLINOIS, ASSIGNOR TO HIMSELF
AND QUINCY A. FISK, OF SAME PLACE.

Letters Patent No. 82,760, dated October 6, 1868.

IMPROVED SPRING-SEAT.

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, CHARLES B. SMITH, of Springfield, in the county of Sangamon, and State of Illinois, have invented a new and useful Improvement in Spring-Seats; 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 make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 represents a sectional elevation of my improved seat, and

Figure 2 represents a plan view of the bottom of the same.

Similar letters of reference indicate like parts.

The object of this invention is to provide improved spring-seats of more uniform character and durable arrangement than any now in use.

It consists in forming the main portion of the bottom of the seat of thin strips of metal, laid longitudinally and transversely, and riveted at the intersecting points, the ends of which strips are provided with hooks, which hook into and are supported by loops projecting from double-coiled springs secured to rods or bars connected to the base or frame of the seat.

A represents the main portion of the spring-bottom, which is composed of strips of sheet metal, arranged transversely and longitudinally of the seat, so as to cross each other at right angles, and riveted at the points of intersection.

The ends of the strips are provided with hooks, which take into the loops B of the double-coiled springs C, suitably arranged upon the bars or rods D, connected to the frame of the seat.

By this arrangement the springs are not so liable to damage, by reason of undue strain or weight falling at any time upon them singly. The strips of metal being connected together as described, will communicate so much of the strain to other springs as to relieve any one from the strain sufficiently to prevent such damage.

Another important advantage of my improved arrangement is, that the springing portion of the seat presents such a smooth and uniform upper surface, that a considerably less amount of stuffing-material is required to produce seats of equally good finish with others of ordinary construction, where more of the said material is required to be used.

My improvement may be used with advantage for couches for sleeping-cars, steamboat-berths, and for other purposes, but it is more particularly designed for use as spring-seats for railroad-cars, carriages, &c

Having thus described my invention, I claim as new, and desire to secure by Letters Patent—

The improved spring-seat bottoms, composed of the hooked strips A, riveted together as described, in combination with the double-coiled springs, supported on the frame, and provided with the loops B, substantially as and for the purpose described.

CHARLES B. SMITH.

Witnesses:

JOHN GREENWOOD,

LOUIS TOMLINSON.