

(No Model.)

2 Sheets—Sheet 1.

H. ROBERTS.
SOFA, LOUNGE, SEAT, &c.

No. 268,289.

Patented Nov. 28, 1882.

Fig. 1.

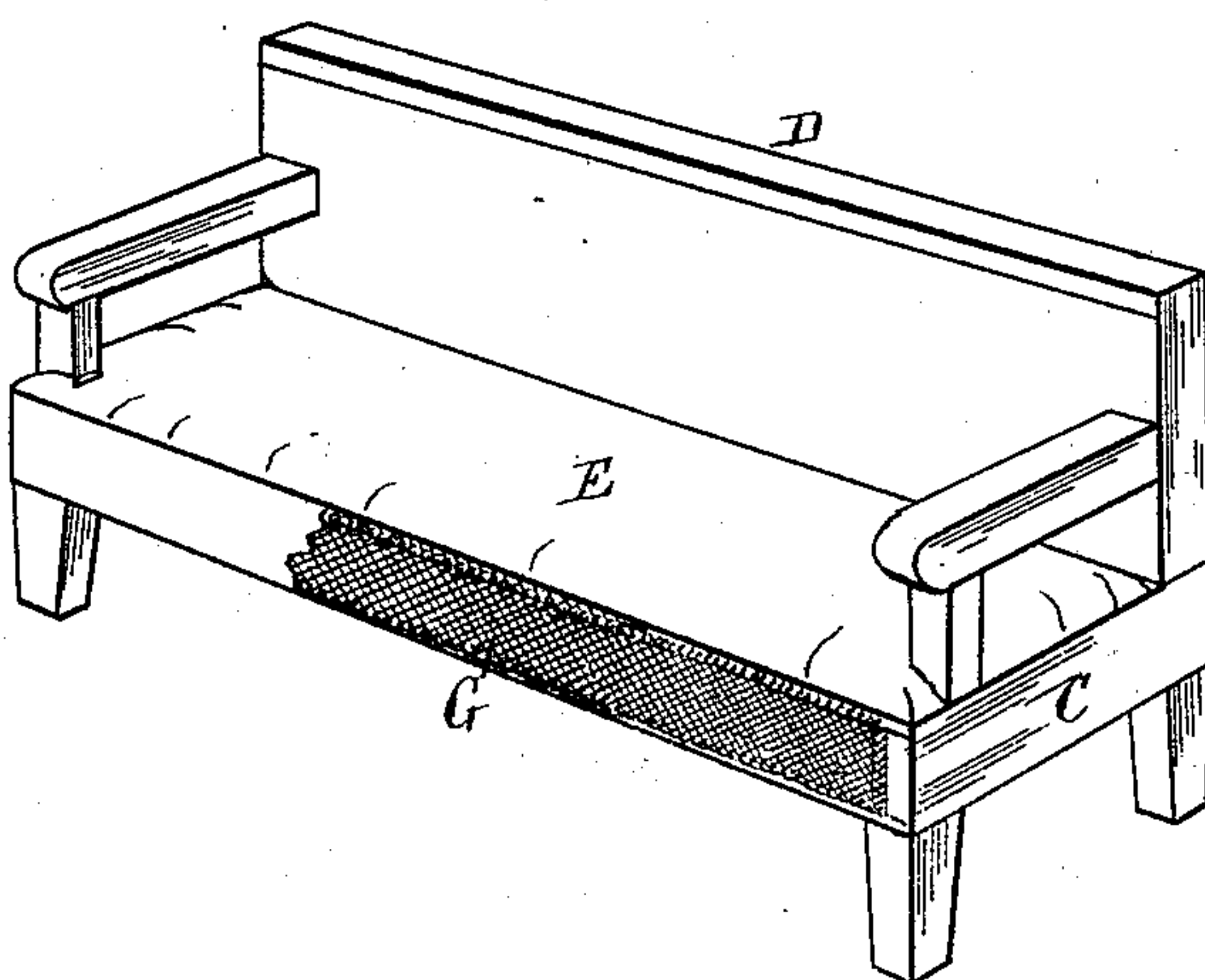
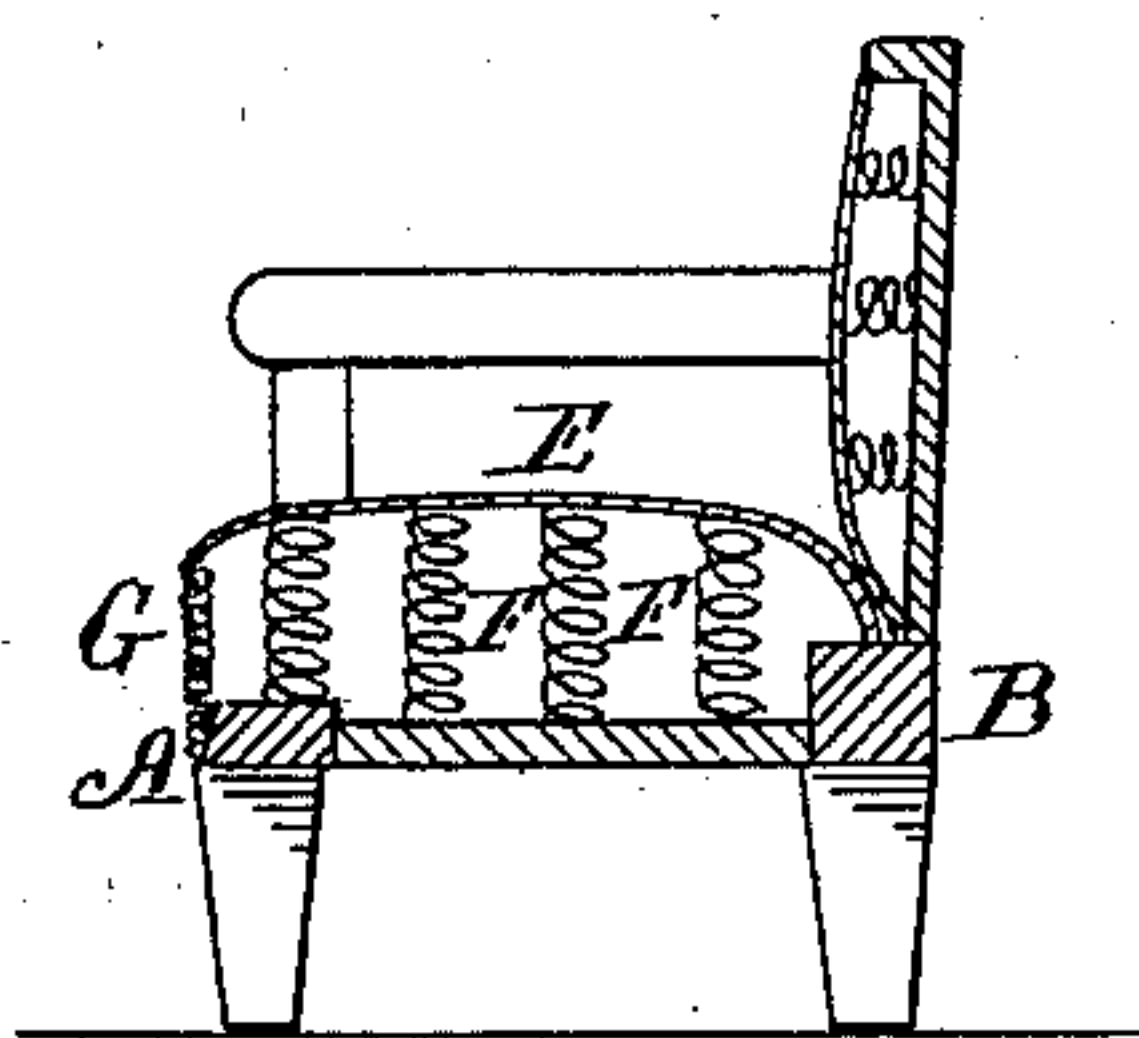


Fig. 2.



Witnesses.

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Fig.3.



Fig.4.

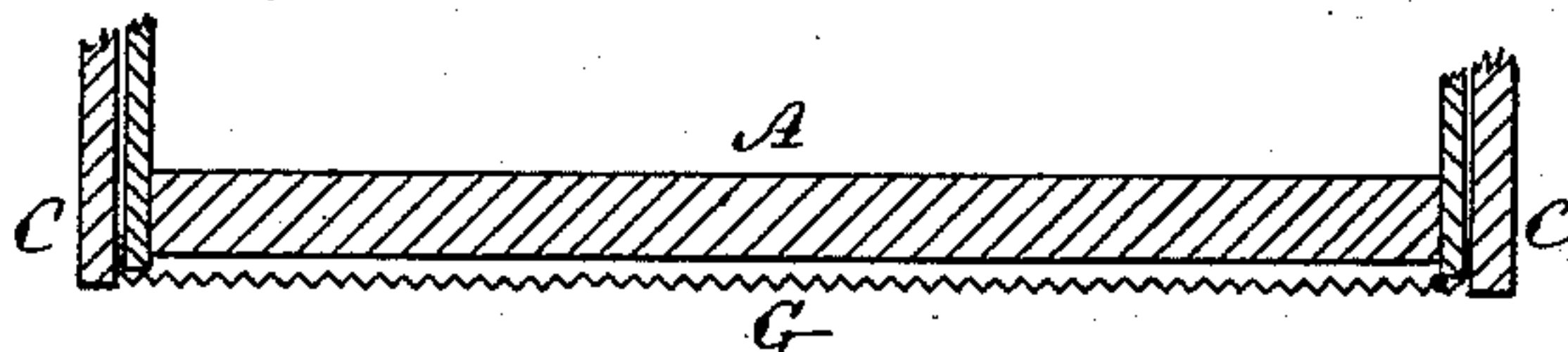
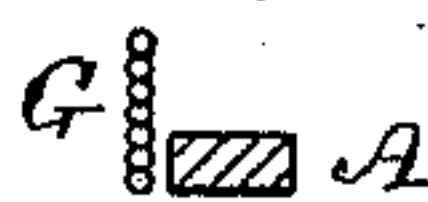


Fig.5.



Witnesses.

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UNITED STATES PATENT OFFICE.

HENRY ROBERTS, OF HARTFORD, CONNECTICUT.

SOFA, LOUNGE, SEAT, &c.

SPECIFICATION forming part of Letters Patent No. 268,289, dated November 28, 1882.

Application filed March 2, 1882. (No model.)

To all whom it may concern:

Be it known that I, HENRY ROBERTS, of Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Sofas, Lounges, and other Seats; and I do hereby declare that the following is a full, clear, and exact description thereof, whereby a person skilled in the art can make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Like letters in the figures indicate the same parts.

My improvement relates to spring-seats of all kinds, but more particularly to those which are intended to be covered or upholstered in any customary manner.

My invention has for its object the more perfect formation of the front of the seat, in order to give greater firmness and elasticity to that part which is usually made vertical or turned downward at an angle to the part usually supported by springs.

In the accompanying drawings on two sheets, illustrating my invention, Figure 1 is a perspective view of a sofa or seat provided with my improvement, part of the front covering or upholstery being removed to show the interior construction. Fig. 2 is a cross-section through the middle of the seat, showing the arm and legs beyond. Fig. 3 is a front view of the strip of coiled-wire fabric attached to the frame. Fig. 4 is a top view of the same. Fig. 5 is a cross-section through the wire fabric and the extending bar of the frame.

A B C D show parts of an ordinary frame of a sofa.

E is the seat, supported by spiral springs F, or by any of the common ways of forming spring-seats now in use.

G is a strip of fabric composed of coiled-wire

springs, interlocked in one or more series, now commonly known as "woven-wire" fabric, stretched or extended longitudinally between the two end bars, C, of the frame. This fabric is stretched only in the direction of its length, or lengthwise of the coils, so as to give it its greatest elasticity, and is attached only to the end bars, C, and has no other support, being outside and independent of the bar A. The wire fabric thus stretched supports the vertical front of the covering, and likewise presents an elastic bearing to prevent the front being pressed inward when the seat is used. It keeps the front edge straight and true.

A seat having my improvement is also much easier to sit upon and is more comfortable than a seat provided with the ordinary corded and stiff edge, which becomes necessary to support a vertical front where my improvement is not used.

My improvement presents a strong support for the front which cannot be disarranged or crushed, and at the same time is yielding to pressure and offers no rigid obstacle.

A seat having my improvement is also more easily upholstered than either those having a stiff cord or those made of a round form on the edge, and requires no stuffing upon the front.

What I claim as my invention is—

In a spring-seat, the vertical elastic strip of coiled-wire fabric G, attached by its ends only to the bars C and disconnected from other parts of the frame, extending across the front from end to end of the seat-frame, in combination with the extending bar A and the ends of the seat-frame, substantially as and for the purpose described.

HENRY ROBERTS.

Witnesses:

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