

(No Model.)

G. G. HARRIS.

BUGGY SEAT.

No. 362,275.

Patented May 3, 1887.

Fig. 1.

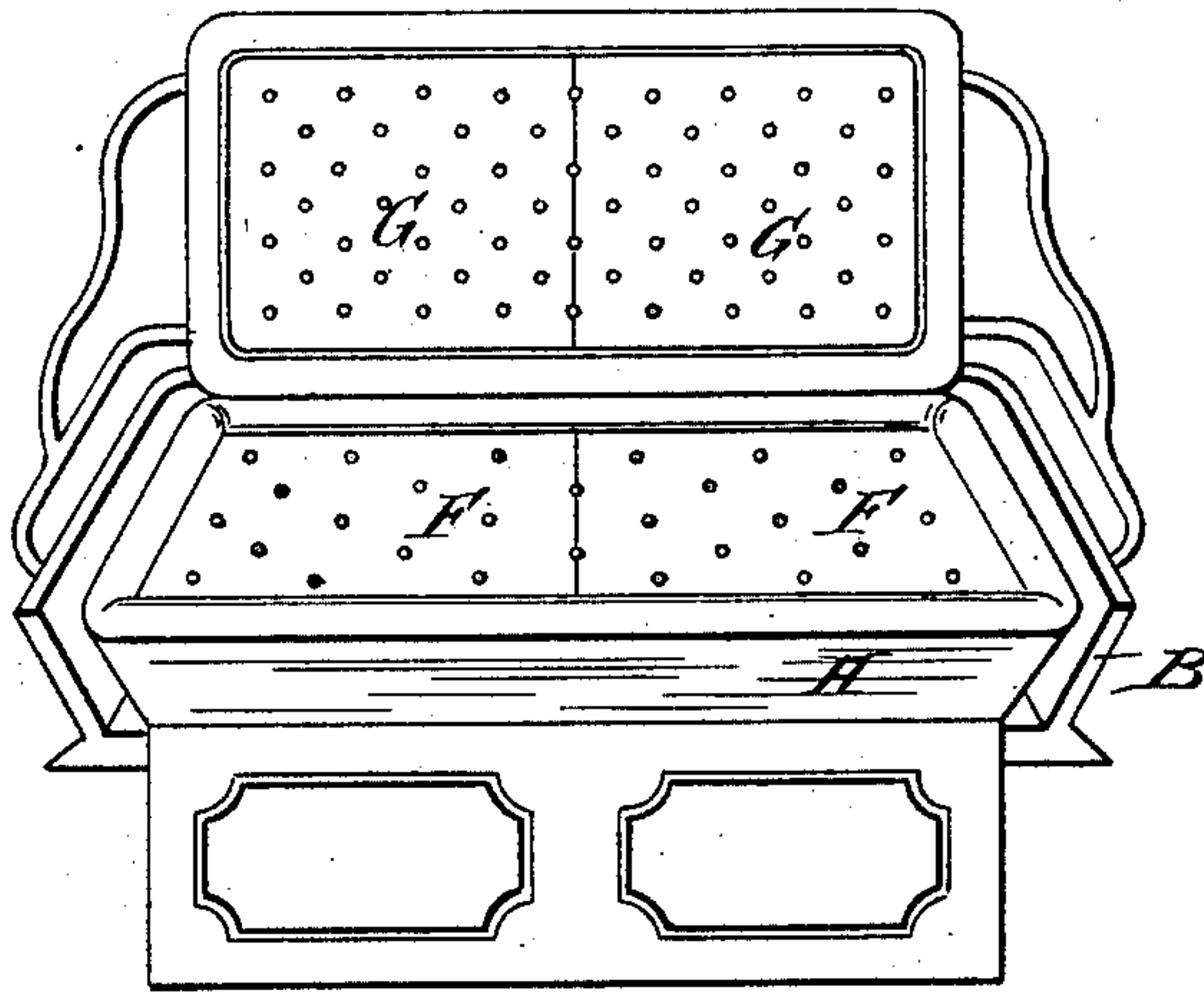
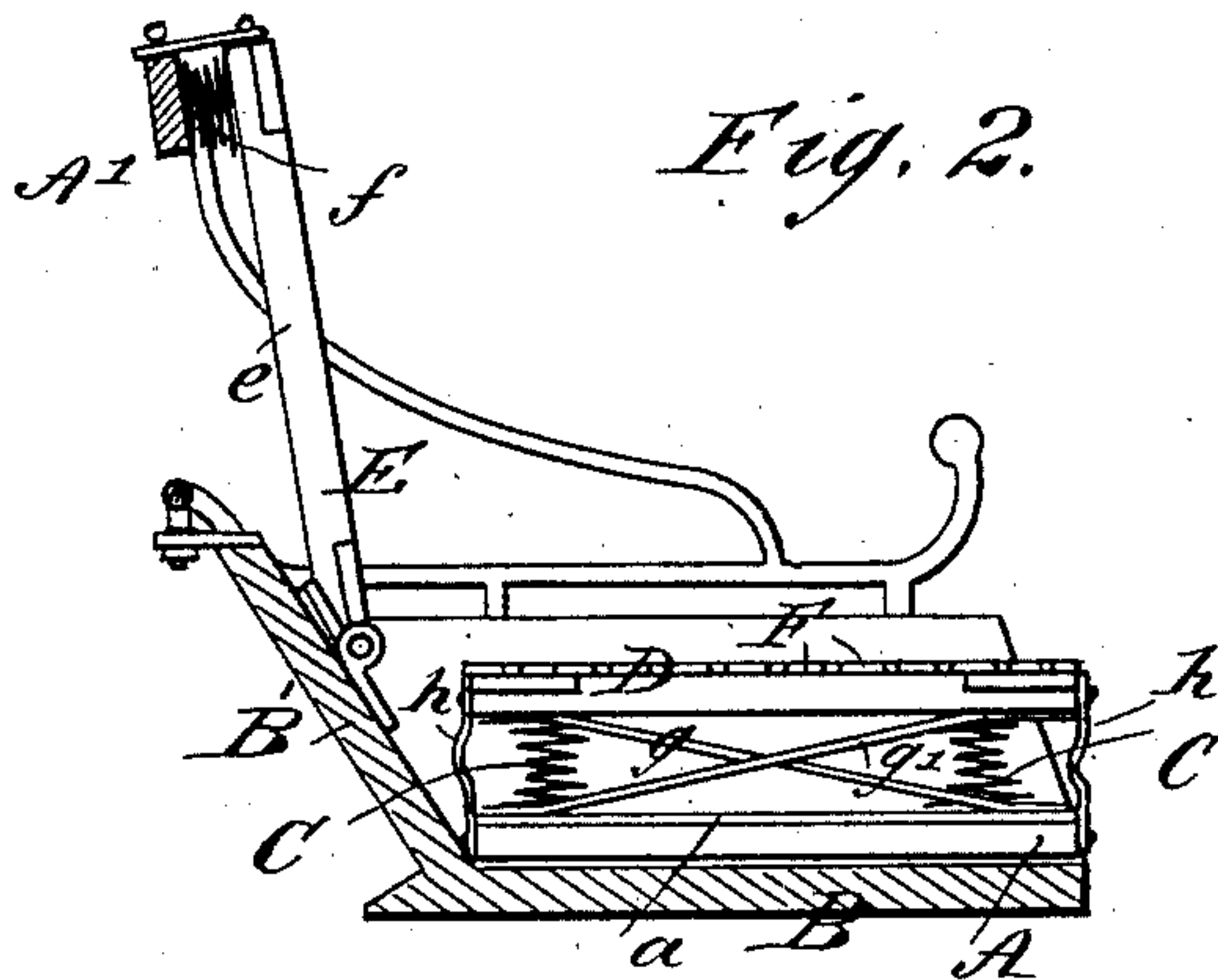


Fig. 2.



UNITED STATES PATENT OFFICE.

GEORGE GRANT HARRIS, OF MARTINSVILLE, OHIO.

BUGGY-SEAT.

SPECIFICATION forming part of Letters Patent No. 362,275, dated May 3, 1887.

Application filed October 13, 1886. Serial No. 216,092. (No model.)

To all whom it may concern:

Be it known that I, GEORGE GRANT HARRIS, of Martinsville, in the county of Clinton and the State of Ohio, have invented a new and Improved Buggy-Seat, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved buggy seat. Fig. 2 is an end elevation, the covering of the seat having been removed; and Fig. 3 is a plan view of the seat without the covering.

The object of my invention is to provide a spring-supported buggy-seat and seat-back having ventilating-apertures therein.

The invention consists in a series of springs placed on a frame adapted to the buggy-seat, a frame attached to and supported by the springs, a spring-supporting back-frame hinged to the seat-back, and a perforated covering for the seat bottom and back, all as hereinafter more fully described.

To a frame, A, adapted to the ordinary carriage-seat are secured springs C, with an intervening sheet of rubber or other yielding material, *a*, and to the upper end of the springs C is secured a seat-frame, D, formed of longitudinal bars *b b'* and transverse bars *c c'*. To the seat-back B' is hinged a frame, E, formed of the longitudinal bars *d d'* and the transverse bars *e e'*, the hinges being formed of leather or other suitable material having sufficient strength and flexibility to support the back and at the same time permit it to yield. To the back of the upper bar, *d*, of the frame E are secured spiral springs *f*, which rest against the back of the carriage-seat.

To the frame D are secured ordinary perforated seat-bottoms, F, and to the frame E are secured the perforated seat-backs G.

The lateral motion of the frame D is limited by the cross-stays *g g'*, secured to the seat-bot-

tom and to the under surface of the frame D, and the springs C are limited in their upward motion by strips, *h*, of webbing fastened to the edges of the frame D and of the frame A.

The space between the frame D and the frame A, inclosing the springs C, is surrounded by the upholstery H, which extends over the top of the frame D and is secured to the edge of the frame A, arranged in the manner described.

The seat is free to move up and down within prescribed limits, and the back-frame E is capable of yielding under a backward pressure.

The seat and its trimmings are connected together, so that it may readily be placed in any ordinary buggy-seat or removed therefrom. The back is also made so that it may be readily attached to an ordinary seat.

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

1. The combination, with the frame A, of the springs C, the frame D, supported by the springs, the perforated seat-bottoms F, and the frame E, hinged to the back B and provided with springs *f* and perforated back pieces, G, substantially as shown and described.

2. The combination, with the seat B, of the frame A, springs C, the sheet *a*, of yielding material, the frame D, secured to the springs C, the stays *g g'*, the perforated bottoms F, secured to the frame D, the frame E, hinged to the back B and provided with the perforated back pieces, G, the springs *f*, secured to the frame E and arranged to bear upon the seat-back, and the upholstery H, surrounding the frame D and inclosing the springs C, substantially as shown and described.

GEORGE GRANT HARRIS.

Witnesses:

LEWIS PFISTER,
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