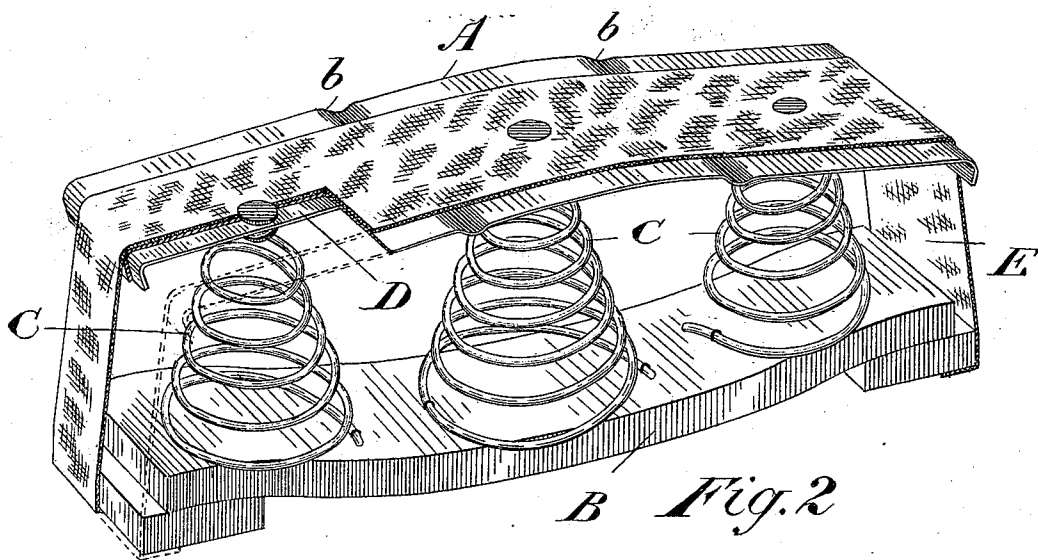
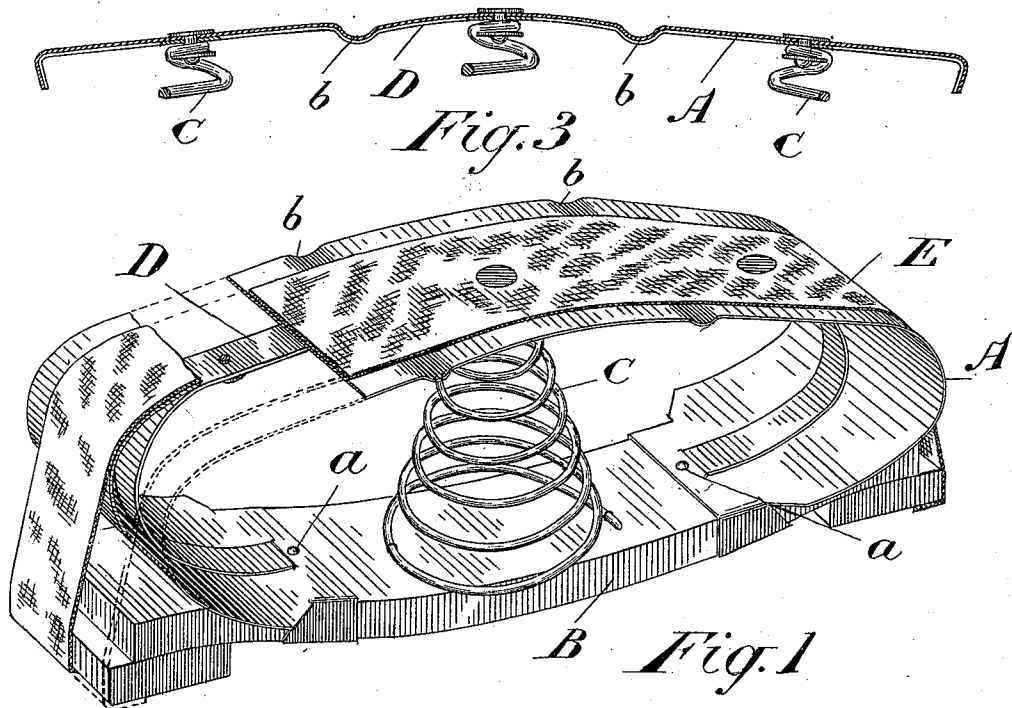


(No Model.)

G. COXON.
SEAT SPRING.

No. 510,838.

Patented Dec. 12, 1893.



Witnesses.

A. R. Cameron
Thos. E. Robertson

Inventor

George Coxon
by Donald G. Ridout & Co.
Attys.

UNITED STATES PATENT OFFICE.

GEORGE COXON, OF TORONTO, CANADA.

SEAT-SPRING.

SPECIFICATION forming part of Letters Patent No. 510,838, dated December 12, 1893.

Application filed May 10, 1893. Serial No. 473,744. (No model.)

To all whom it may concern:

Be it known that I, GEORGE COXON, of the city of Toronto, in the county of York and Province of Ontario, Canada, have invented
5 a certain new and Improved Seat-Spring, of which the following is a specification.

The object of the invention is to produce a light, strong, durable and noiseless seat spring, and it consists of a light curved metal
10 plate having one or more crimps made across it and strengthened by a narrow strip of steel crimped to correspond with and riveted to the metal plate, a spiral spring or springs being placed below the metal plate, the whole
15 being incased in a covering of any suitable fabric, substantially as hereinafter more particularly explained.

Figure 1, is a perspective view of a section of my improved seat spring. Fig. 2, is a similar
20 view of an alternative form. Fig. 3, is a longitudinal sectional view of the spring shown in Fig. 2.

In the drawings—A, is a curved metal plate, which plate, when the seat is made as shown
25 in Fig. 1, is curved around to rest upon the wooden portion B, of the seat to which it is riveted at *a*, as indicated in Fig. 1. When the plate A, is made as shown in Fig. 2, it does not extend around so far, the spiral
30 springs C, taking the place of the curved ends of the said plate. Crimps *b*, are made across the plate A, as indicated in the drawings.

In order to strengthen the plate A, I rivet to it, as indicated a narrow strip of steel D,
35 and crimp it to correspond with the crimps in the plate A. When the seat is formed as

indicated in Fig. 1, I extend the strip D, around the curved portion of the plate A, and secure it thereto by a rivet or rivets. By
40 crimping the plate A, and steel strip D, the crimps in the steel strip fit into the crimps in the plate and the crimps compensate for the elongated motion of the plate and strip, thereby preventing the creaking noise which would
45 otherwise be produced by the surfaces of the two rubbing together.

E, indicates the fabric which holds the seat together and in position upon the wooden portion B, of the seat.

What I claim as my invention is —

1. In a seat-spring, a light, broad, substantially flat metal plate having one or more crimps across it, a narrower strip of steel crimped to correspond with and riveted to
50 said plate, in combination with a base, a spring between the base and strip and a flexible connection holding the plate, the steel strip and base together, substantially as described.

2. A seat spring composed of a light metal plate, having one or more crimps across it,
60 and strengthened by a narrower strip of steel crimped to correspond with and riveted to the other plate, and both plates bent down and secured to a rigid base, and a spiral spring between the plates and base, substantially as
65 described.

Toronto, April 10, 1893.

GEORGE COXON.

In presence of—

A. M. NEFF,
J. EDW. MAYBEE.