

W. H. CLOUD & D. D. CRAIG.

Vehicle-Seat.

No. 163,744.

Patented May 25, 1875.

Fig. 1.

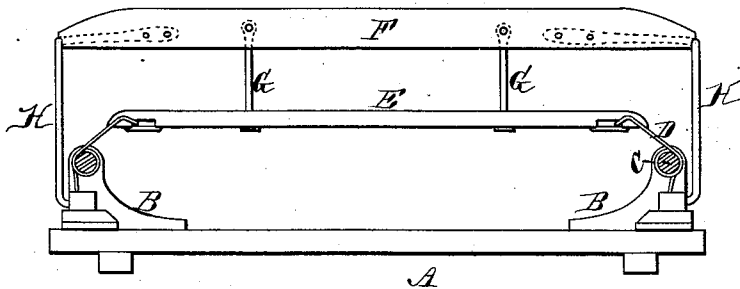
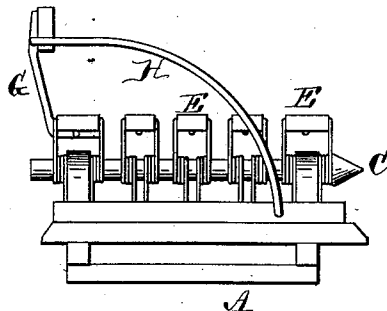


Fig. 2.



WITNESSES

Henry W. Miller
Chas. M. Bart.

By

INVENTOR

W. H. Cloud
D. D. Craig.

Alexander Mason
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM H. CLOUD AND DAVID D. CRAIG, OF FREMONT, OHIO.

IMPROVEMENT IN VEHICLE-SEATS.

Specification forming part of Letters Patent No. **163,744**, dated May 25, 1875; application filed April 13, 1875.

To all whom it may concern:

Be it known that we, WILLIAM H. CLOUD and DAVID D. CRAIG, of Fremont, in the county of Sandusky and in the State of Ohio, have invented certain new and useful Improvements in Seats for Vehicles; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in making wagon-seats or car-seats with a series of spring-slats, which are so connected to the back of the seat that the seat and back spring together, or at the same time, when the occupant rests against the back.

In the accompanying drawings, making a part of this specification, Figure 1 represents a front view, partially in sections. Fig. 2 represents an end view.

In the drawing, A represents the body of the seat. Connected and secured to this body are four metallic arms, B, which have eyes or holes in their open ends. C C represent two round bars or rods, which pass across the end of the seat resting in the eyes or holes of the arms B. The rods C C are surrounded with a series of coiled wire springs, D, having loops at their outer ends, upon which loops the slats of the seat rest. Notches are formed on the under sides of the slats near the end, and the loops rest in these notches, and are confined there by suitable staples. F represents the back of the seat, which is connected to the

rear spring slat or slats by means of rigid bars G G. H H represent two bars, which are rigidly connected at their rear ends to the ends at the back of the seat, reaching forward, and being hinged to the body of the seat, or bolted to it in any suitable manner.

It will be seen that by this arrangement of the spring-slats on the seat and their connection with the back, that the seat and back spring at the same time when the shoulders of the occupant rest against it, thus making a pleasant and agreeable adjustable seat.

We are fully aware that bed-bottoms composed of slats, and resting upon coiled springs secured around cross-shafts, and forming loops for the slats to lie in, are not new; hence we disclaim such as being any part of our invention. In our device the seat and back spring at the same time, as hereinbefore described.

Having thus fully described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination of the seat-body A, arms B B, bars C C, the looped coil-springs D D, slats E E, back F, the bars G G and H H, all substantially as and for the purposes set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 22d day of March, 1875.

WM. H. CLOUD.
D. D. CRAIG.

Witnesses:

E. F. DICKINSON,
N. SHERWOOD.