M. Nelson,

Riding Saddle,

No. 27,824, Patented Apr. 10, 1860.

Fig. 3

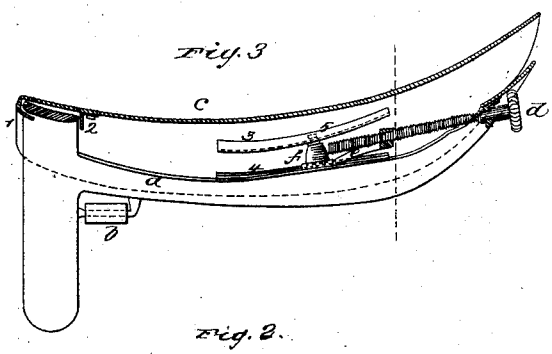


Fig. 4

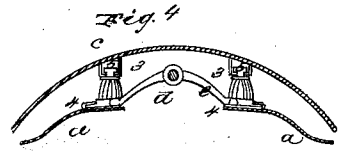


Fig. 2.

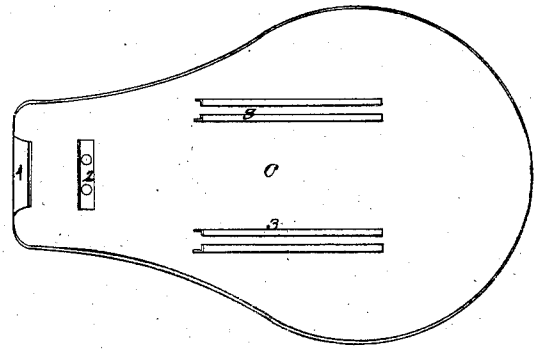


Fig. 5.

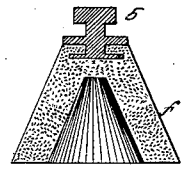
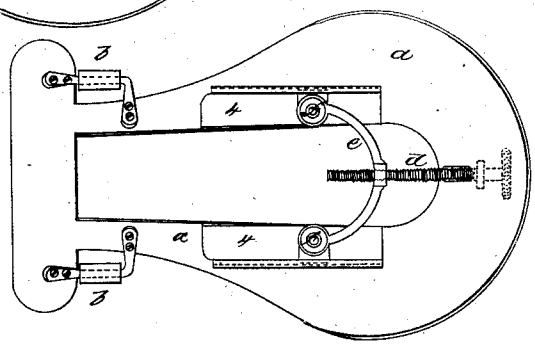


Fig. 1.



Attest

Samuel W. Krull

Chas. H. Smith

Inventor

M Nelson

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UNITED STATES PATENT OFFICE.

MORTIMER NELSON, OF NEW YORK, N. Y.

IMPROVEMENT IN RIDING-SADDLES.

Specification forming part of Letters Patent No. **27,824**, dated April 10, 1860.

To all whom it may concern:

Be it known that I, MORTIMER NELSON, of the city and State of New York, have invented, made, and applied to use a certain new and useful Improvement in Riding-Saddles; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a plan of the saddle-tree. Fig. 2 is an inverted plan of the metallic seat. Fig. 3 is a vertical longitudinal section. Fig. 4 is a cross-section, and Fig. 5 is a section of one of my springs in larger size.

Similar marks of reference denote the same parts.

The nature of my said invention consists in an arrangement of spring-seat to the saddle, and is an improvement upon the patent granted July 22, 1856, to John C. F. Saloman and George E. Cooper.

In the drawings, *a* represents the saddle-tree with the loops *b b* for the stirrup-straps.

c is the metalic seat that is hooked onto the tree *a* by the lip 1, and kept in place from sliding forward by the flange 2. This device makes a strong and durable connection between the saddle-tree and metallic seat, at the same time allows for the seat being easily unhooked and removed.

In the aforesaid patent of Saloman and Cooper a helical spring is introduced between the sliding chair and seat, immediately over the horse's backbone. This necessarily raises the seat considerably from the animal. To obviate this inconvenience and at the same time make the seat much firmer and stronger, I introduce two rubber springs *f f*, or their equivalents, one on each side of the saddle-tree, and cause the same to sustain the weight of the rider, by which arrangement the metallic seat can be brought quite close down under pressure to the animal's back, and the parts are not liable to breakage. In order to attach these rubber or equivalent springs in place and adjust them longitudinally of the saddle according to the weight and convenience of the rider. I make use of slides 3 3 on the under side of the seat *c*, taking the metallic caps 5 to the springs *f f*, and 4 4 are slides on the saddle-tree *a*, receiving the cross-piece *e*, on the ends of which the aforesaid springs *f f* rest.

d is a screw operated from the back part of the saddle, by which the springs *f f* are moved nearer to or farther from the pommel or cantle of the saddle, as may be desired by the rider. These springs *f f*, being on each side of the saddle-seat, make the same much more steady and safe in use, at the same time providing all the motion necessary for convenience in riding.

What I claim, and desire to secure by Letters Patent as an improvement upon the aforesaid patent of Saloman and Cooper, is—

The arrangement of the two springs *f*, of rubber or equivalent material, the cross-piece *e*, and screw *d*, in the manner and for the purposes specified.

In witness whereof I have hereunto set my signature this 25th day of February, 1860.

M. NELSON.

Witnesses:

LEMUEL W. SERRELL,
CHAS. H. SMITH.