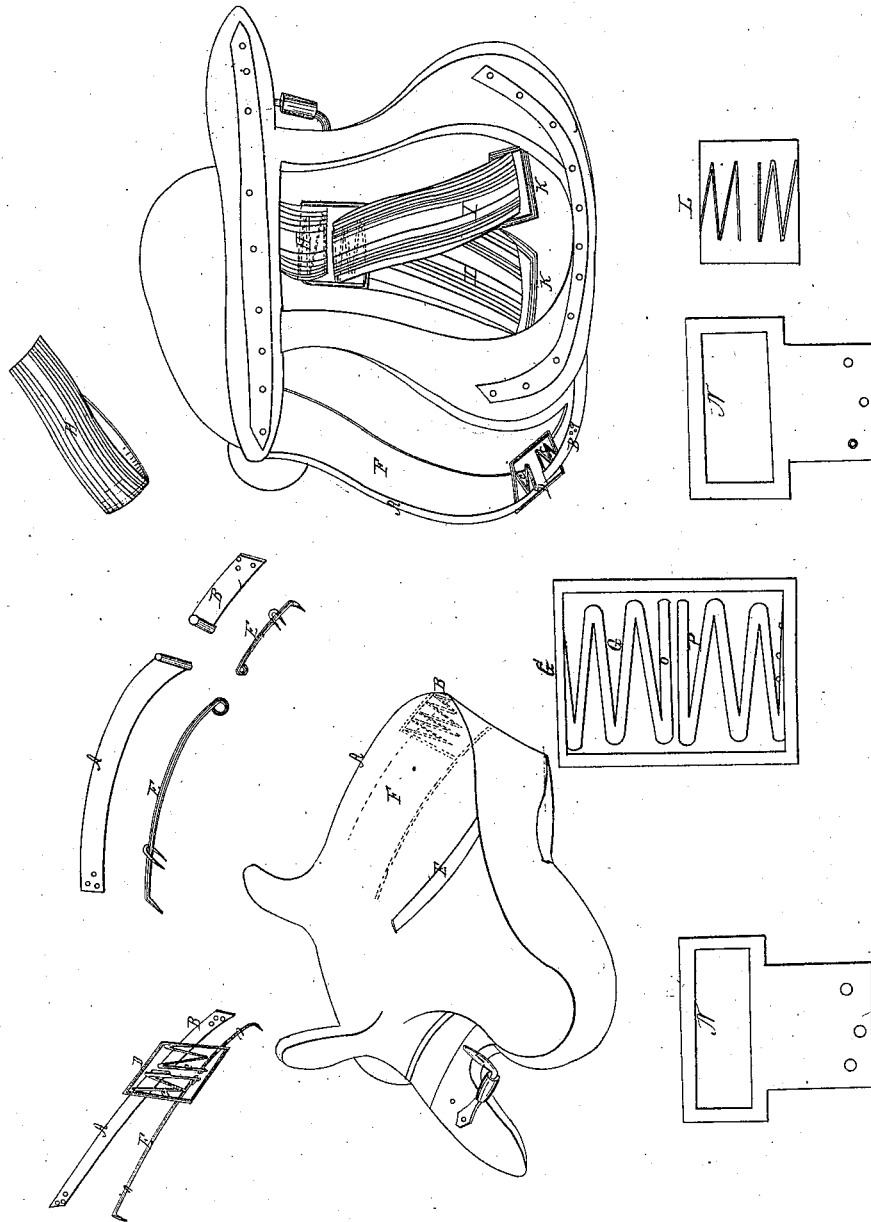


E. Briderwell,
Riding Saddle.
Patented Nov. 26, 1836.



UNITED STATES PATENT OFFICE.

ELISHA BRIDEWELL, OF BARDSTOWN, KENTUCKY.

SIDE-SADDLE.

Specification of Letters Patent No. 89, dated November 26, 1836.

To all whom it may concern:

Be it known that I, ELISHA BRIDEWELL, of Bardstown, in the county of Nelson and State of Kentucky, have invented a new and useful Improvement in Ladies' Side-Saddles, which is described as follows, reference being had to the annexed drawings of the same, making part of this specification.

The nature of my invention consists in having a pliant curved hoop extending from the horn of the saddle to the cantle against which the lady supports herself in the seat, and the application of a double M spring to the head of the web in connection with two flat springs fastened to the cantle to which the ends of the web are attached. The pliant curved hoop is formed by taking a piece of hoop, or other iron, and riveting one end to the horn, then bending it round, and attaching its other end to one side of the double M spring—the other side of the spring being attached to the cantle by another piece of hoop iron bent over the other spring and riveted to the cantle, this forms the upper edge of the hoop, the lower is formed by strong wire extending from the springs to the horn, and cantle. The whole is then covered with leather, or other suitable material, and stuffed, thus forming a continuation of the cantle in a curve to the horn being rather wider at the latter than at the former end, rendered flexible, and easy to the rider by the introduction of the double M, spring. A double M spring is attached to the gullet by a piece of leather, or other material passed around one of the end springs, and nailing its ends fast, the web is then passed around the other M spring, and extended to the flat springs fastened to the cantle, the one on the right, the other on the left. The M spring alone is made similar to others in use; but in this case I arrange two within a rectangular frame forming what I term a double M spring, one side of each spring being riveted to the end of the

frame, and the other side being loose the contraction of each being toward the end of the frame to which it is fastened, and the extension of both being toward the center of the frame, both springs, and frame are curved to suit the curvature of the hoop, and webbing. The cantle springs are made flat and gently curving also to correspond with the shape of the part of the saddle to which they are fastened having a rectangular opening in the end of each through which the webbing is passed, and also two or three round apertures for the rivets which fasten them to the cantle.

A represents the curved piece of hoop iron riveted to the horn and attached to one of the double M springs; B, another piece of hoop iron riveted to the cantle and attached to the other M spring; C, C, the double M springs; D, the frame of the same; E, the lower side of the hoop formed of wire; F, covering of hoop; G, double M spring in the forepart of the web; H, strap attaching spring G, to the gullet; I, the web; K, K, the two flat springs; L, a double M spring detached; M, spring detached; N, N, the two flat springs shown separately in spring G.

O, represents the parts around which passes the strap H, and P, the part around which is stretched the webbing I.

The invention claimed and desired to be secured by Letters Patent consists in—

The use and application of the double M spring in the formation of a flexible curved hoop extending from the horn to the cantle of the ladies side saddle in the manner before described, also in the use and application of the two flat springs fastened to the cantle, and to which the ends of the web are attached in the manner herein set forth.

ELISHA BRIDEWELL.

Witnesses:

JAMES McDANIEL,
JOHN B. FLAHERTY.