G. W. ELLIOTT.
Heel-Spurs.

No. 198,010. Patented Dec. 11, 1877.

Fig. 2

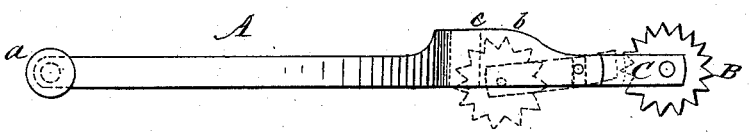
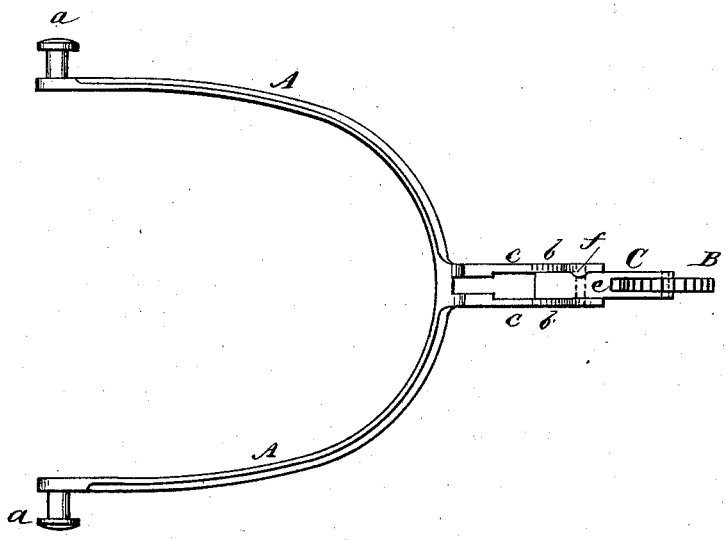


Fig. 1



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GEORGE W. ELLIOTT, OF BOONESBOROUGH, MISSOURI.

IMPROVEMENT IN HEEL-SPURS.

Specification forming part of Letters Patent No. **198,010**, dated December 11, 1877; application filed October 9, 1877.

To all whom it may concern:

Be it known that I, GEORGE W. ELLIOTT, of Boonesborough, in the county of Howard and State of Missouri, have invented a new and Improved Heel-Spur, of which the following is a specification:

This invention relates to heel-spurs; and the nature of my invention consists in a reversible rowel, in combination with a shank, which is pivoted to spring-jaws, and grooved to receive a tenon formed on said jaws, as will be hereinafter explained.

In the annexed drawing, Figure 1 is a top view of the improved heel-spur, and Fig. 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

The letter A designates the heel-bow, which is constructed with buttons *a a*, to receive the straps that fasten the spur to the foot. At the rear end of this heel-bow spring clamping-jaws *b b* are secured, the lower edges of which are straight, and the upper edges *c c* are curved, so as to form shields, which protect the pants from the teeth of the rowel B when this rowel is reversed, as indicated by dotted lines, Fig. 2.

The spur or rowel B is a serrated disk, which is pivoted to a shank, C, between the spring clamping-jaws *b b*, which shank is constructed with a groove, *e*, adapted to receive a tenon, *f*, formed on one of the spring-jaws *b*. This forms a spring or friction lock, which will hold the shank C firmly, whether it be adjusted as shown in full lines, Figs. 1 and 2, or as shown in dotted lines, Fig. 2.

When the heel-spur is adjusted back between the spring-jaws *b b* it will drop, so that the teeth will not be exposed above the curved edges *c* of the jaws; consequently the pants will not be injured by the spurs.

With some horses it is not safe to use spurs, and when this is the case the spur is turned back, and the blunt end of the spring-jaws *b b* are used to excite the animal to his speed.

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

In a heel-spur, in combination with the spring-jaws *b b*, formed with curved edges *c c* and tenon *f*, the pivoted shank C, bearing a rowel, B, and grooved to receive the said tenon, substantially in the manner and for the purposes explained.

GEORGE WASHINGTON ELLIOTT.

Witnesses:

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