

P. A. de La NUX.
Saddle-Stirrup.

No. 215,942.

Patented May 27, 1879.

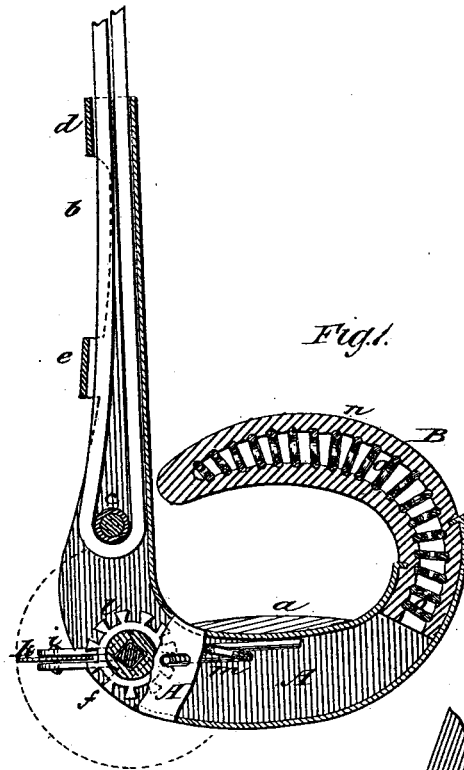
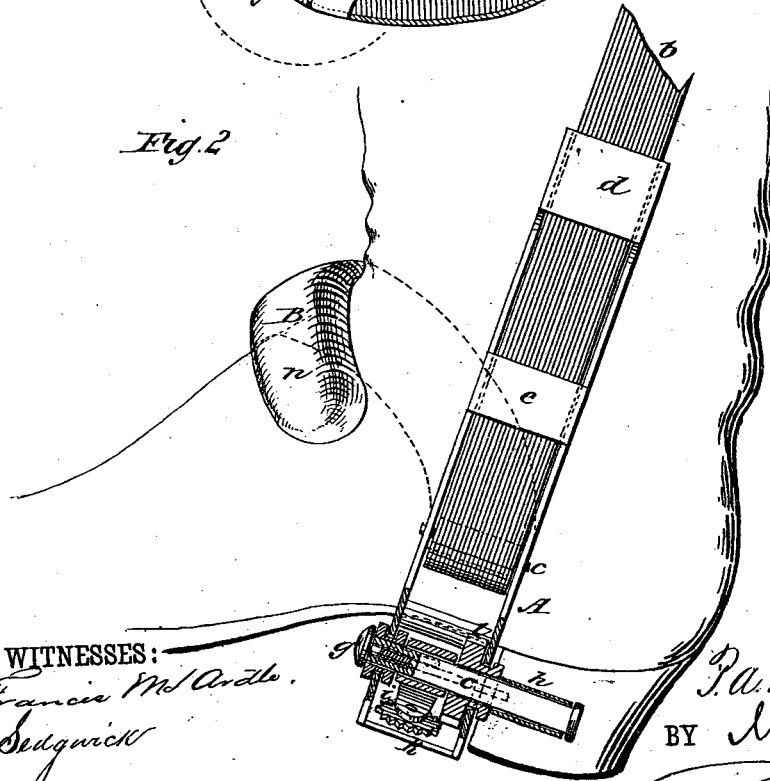


Fig. 1.

Fig. 2.



WITNESSES:

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PIERRE AUGUSTE DE LA NUX, OF HONOLULU, SANDWICH ISLANDS.

IMPROVEMENT IN SADDLE-STIRRUPS.

Specification forming part of Letters Patent No. **215,942**, dated May 27, 1879; application filed January 14, 1879.

To all whom it may concern:

Be it known that I, **PIERRE A. DE LA NUX**, of Honolulu, in the Sandwich Islands, have invented a new and Improved Saddle-Stirrup, of which the following is a specification.

The invention consists in combining an arbor and spur-wheel with a stirrup-body—a spur-wheel that is adjustable with respect to the body—and in combining a wheel and stop with said arbor, spur-wheel, and stirrup-body, as hereinafter described.

In the accompanying drawings, Figure 1 is a view representing one of my improved stirrups in vertical section. Fig. 2 is a side elevation, partially in section.

Similar letters of reference indicate corresponding parts.

The body of the stirrup is preferably made of sheet metal bent up to shape, and more or less ornamental. The foot-piece *A* is re-enforced at *a* to withstand the wear at that point. *b* is the saddle-strap, passing around a roller, *c*, that is pivoted in *A*, and to retain the stirrup in a vertical position the body is extended up in line of strap *b*, and formed with loops *d* *e*, through which strap *b* passes. To prevent wear on strap *b*, roller *c* is covered with a sleeve of brass or copper. *B* is an elastic foot-holder, connected rigidly to the outer end of foot-piece *A*, and curving normally over the foot-piece to form a loop for the foot, its outer end being free and retained in position by its own elasticity.

The holder *B* consists of a vulcanized rubber tongue, *n*, formed upon a coiled spring, *o*, of flat or round wire, which assists the holder to retain its form and give a suitable pressure upon the foot when inserted.

At the bottom and inner side of foot-piece *A* is fitted a square arbor, *f*, that is retained in place by a screw, *g*, and projects at one side of the body, as shown, the projecting portion being covered by a sleeve *h*.

Upon the arbor *f*, between the sides of *A*, is fixed a slotted stud, *i*, that carries a spur-wheel, *k*. There is also upon the arbor *f* a serrated wheel, *l*, in the serrations of which a spring-arm, *m*, enters, thereby retaining the arbor and spur in the position as set. The arm *m* projects through the side of *A*, so that

it can be pressed back, and the arbor *f* then turned, thereby permitting the spur to be placed in any position on the circle shown by dotted lines in Fig. 1. The spur can thus be placed out of action entirely, or in a position where it can be used with great effect.

This construction also permits the spur to be placed on the projecting end of arbor *f*, which can be done by removing the arbor and taking off sleeve *h*.

The foot-holder *B* passes over the instep of the rider, as shown in Fig. 2. Its elasticity permits it to give way and conform to the size and shape of the foot, and retain it in place by an elastic pressure.

It will be seen that in case of accident the holder *B* would give way and release the foot.

The stirrup shown can be used either at the right or left hand side with equal facility, and the stirrup at each side is to be of the same construction. The vertical extension of foot-piece *A* should be rounded, as shown, at the point of connection, to prevent contact with the ankle of the rider.

A simple pin can be used in place of screw *g* to retain arbor *f*.

I do not limit myself to the precise details set forth, as they may be varied without departing from my invention.

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

1. In a stirrup, the combination of a foot-piece, *A*, and an elastic foot-holder, *B*, formed of vulcanized rubber, having a core consisting of a spiral spring, substantially as described, and for the purposes set forth.

2. The combination, in a stirrup-body, of the arbor *f*, slotted stud *i*, and spur-wheel *k*, substantially as and for the purposes specified.

3. The combination, in a stirrup-body, of the arbor *f*, slotted stud *i*, spur-wheel *k*, wheel *l*, and stop *m*, substantially as and for the purposes described.

PIERRE AUGUSTE DE LA NUX.

Witnesses:

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