

(No Model.)

W. S. CARDELL.

STIRRUP.

No. 365,238

Patented June 21, 1887.

Fig. 1.

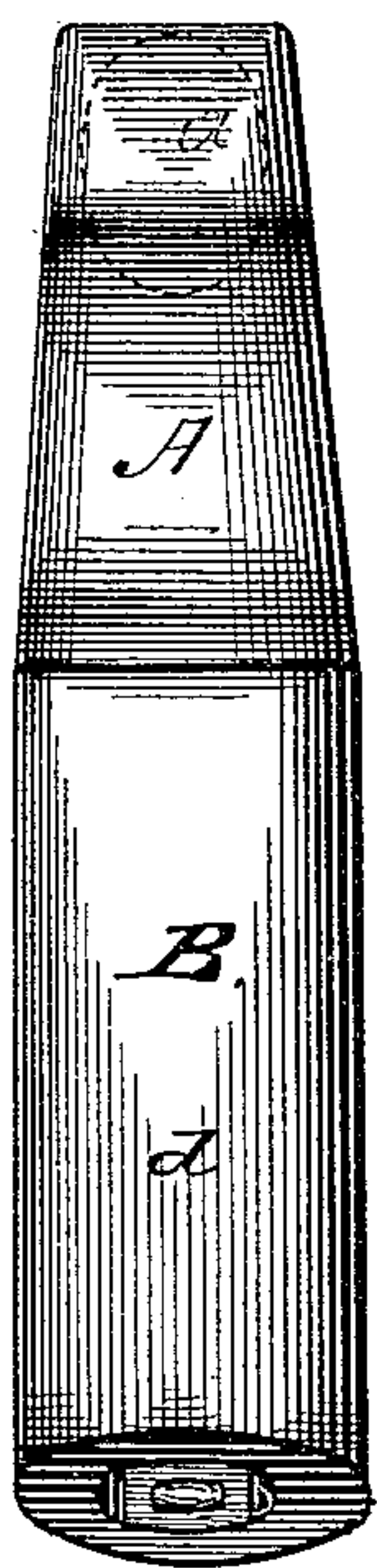
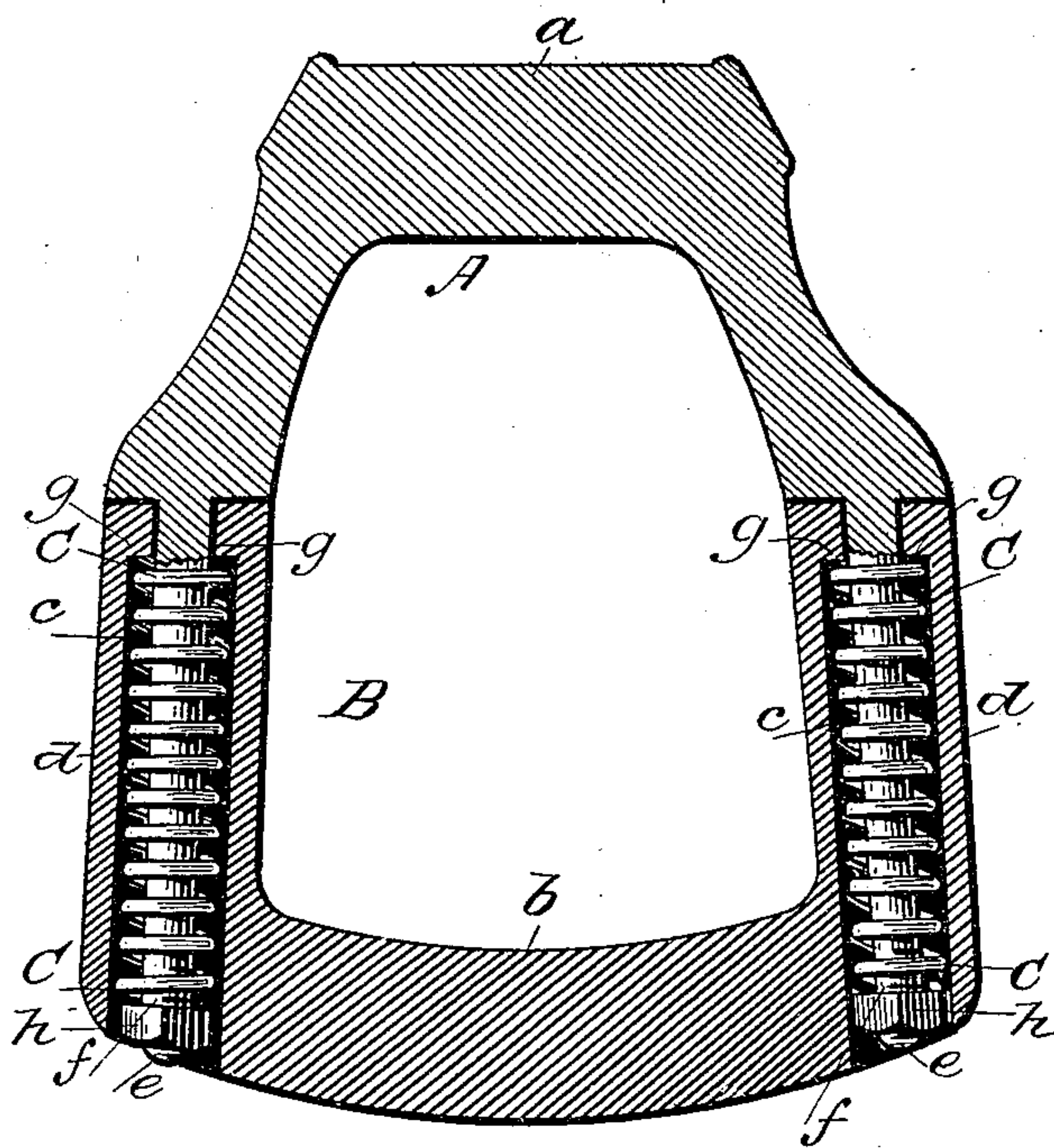


Fig. 2.



WITNESSES:

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STIRRUP.

SPECIFICATION forming part of Letters Patent No. 365,238, dated June 21, 1887.

Application filed March 29, 1887. Serial No. 232,866. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SAMUEL CARDELL, of Fred, Chickasaw Nation, Indian Territory, have invented a new and useful Improvement in Stirrups, of which the following is a specification.

My invention relates to stirrups, and its object is to provide a stirrup which shall be capable of yielding to the weight of the horse-man, and thus take up a part of the jarring and jolting caused in riding.

The invention consists in certain features of construction and novel combinations of parts, as will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a side elevation of my improved stirrup. Fig. 2 is a vertical central section.

The body or frame of my stirrup is made in two independent parts, A B. Both are preferably constructed of metal, and may be of any suitable shape, the external form and structure of the stirrup forming no part of my invention.

The part A is provided with the cross-bar *a*, to which the suspending-strap is attached, and the part B has the foot-rest *b*, connected to or forming an integral part of it. Holes *c c* are bored entirely through the vertical side pieces, *d d*, from top to bottom, and in these holes fit bolts *e e*. These bolts are preferably formed with the side pieces of the upper part, A, of the stirrup, and are long enough to ex-

tend through the holes *c c*, their lower ends being threaded, as shown at *f f*. Stiff coiled tension-springs C C surround these bolts and bear at their upper ends against the shoulders *g*, and at their lower ends on nuts *h h* upon the threaded ends *f f* of the bolt *e*. The weight of a rider standing in the stirrups and any sudden jar or jolt caused by the motion of the horse will cause the parts of the stirrup to separate slightly, the elastic support thus taking up the jar and preventing it, in great part, from being communicated to the rider. In normal position the parts A B will be forced into close contact by the spring, as shown in Fig. 1.

What I claim is—

1. In a stirrup, the combination, with the part A, having the bolts *e e*, of the part B, having the holes *c c*, the spring C, and the nuts *h h*, substantially as described.

2. A stirrup comprising the foot portion or part B, having holes *c* formed through its side bars, providing sockets in which the springs may be incased, the top part, A, the bolts *e*, extending from the part A into holes *c*, and the springs fitting on said bolts within the holes *c*, whereby said springs are incased, substantially as set forth.

WILLIAM SAMUEL CARDELL.

Witnesses:

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