(No Model.)

A. CÔTÉ.

SPRING LEG FRAME.

No. 305,573. Patented Sept. 23, 1884.

Fig. 2

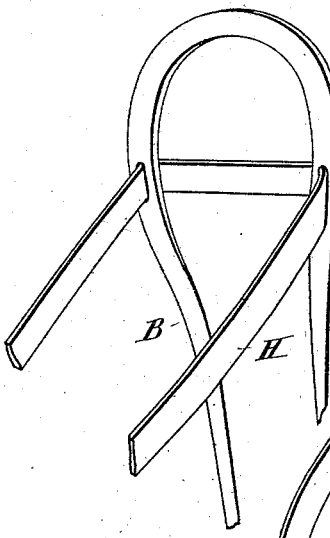


Fig. 1

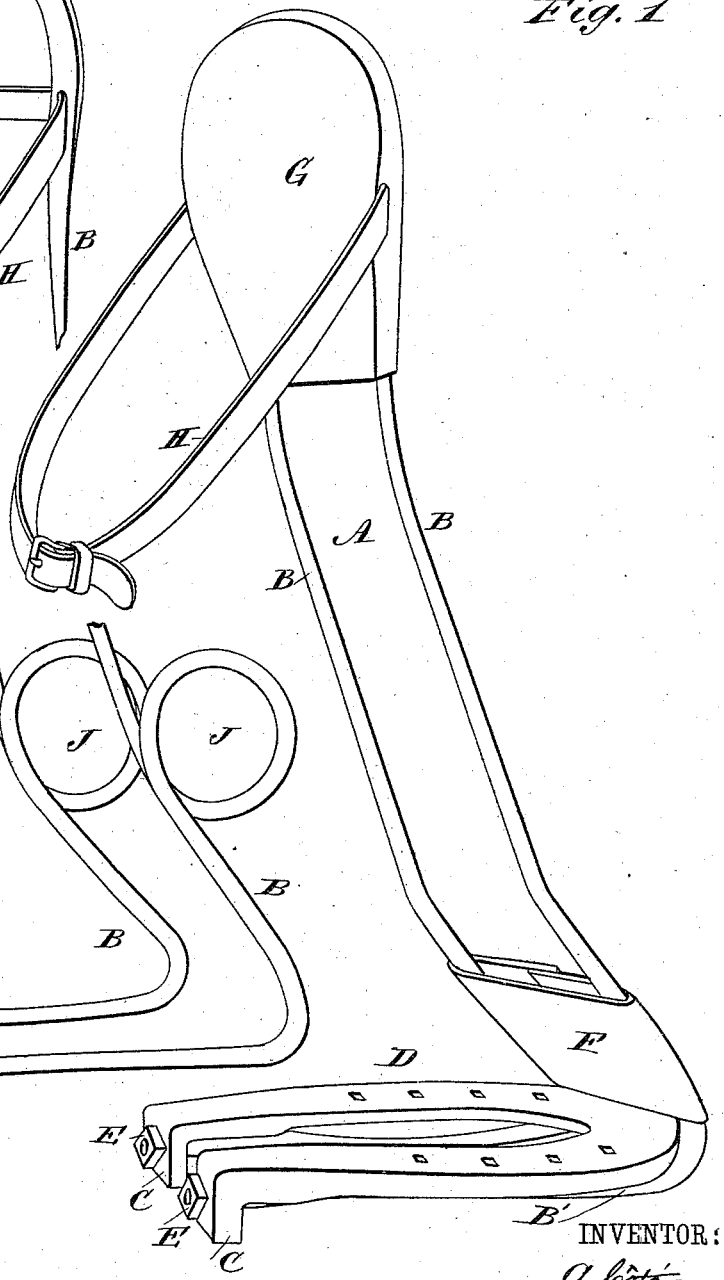
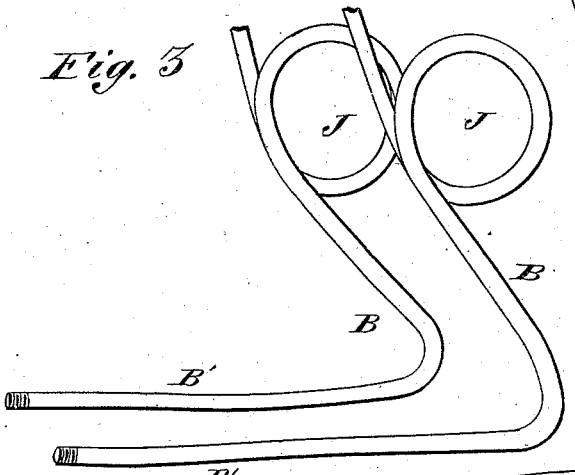


Fig. 3



WITNESSES:

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ALPHONSE CÔTÉ, OF GALWAY, NEW YORK.

SPRING LEG-FRAME.

SPECIFICATION forming part of Letters Patent No. 305,573, dated September 23, 1884.

Application filed March 22, 1884. (No model.)

To all whom it may concern:

Be it known that I, ALPHONSE CÔTÉ, of Galway, in the county of Saratoga and State of New York, have invented a new and Improved Spring Leg-Frame for Horses and Men, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved spring leg-frame for preventing and curing knee-spring or ankle-cock.

The invention consists in a spring wire frame adapted to fit on the foot or hoof and front of the leg, which frame is provided at its top with a pad or cushion, and with a strap or band for holding the top of the frame to the leg.

The invention also consists in parts and details and combination of the same, as will be fully set forth.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved spring leg-frame. Fig. 2 is a view of the top part of the same, the cushion or pad being removed. Fig. 3 is a perspective view of a modification of the construction of the spring.

A spring-wire, A, is bent to form two L-shaped shanks, B, united at the top and having the ends of the bottom rectangularly-bent parts, B′, screw-threaded or provided with slots. The upright parts of the shanks B are bent at the bottom to fit closely against the front of a horse's hoof. The ends of the angular parts B′ are passed through the rear calks, C, of a horseshoe, D, and nuts E are secured on the ends of the said parts, the nuts resting against the rear surfaces of the rear calks, C; or keys or wedges can be used in place of the nuts. The parts B′ are under the shoe D, and the front ends of the parts B′ rest against the ends of the front calk, and after the said parts have been fitted according to the width of the front calk, the upright parts B are held together by a metal or leather band, F, the ends of which are riveted together. The upper ends or rounded top of the parts B is surrounded by a pad or cushion, G, or the pad or cushion can be held on the inner surface of the said top. A strap or band, H, is passed through slots in the parts B at the top. The shanks or parts B can be bent to form spirals J, if desired, as shown in Fig. 3.

The spring leg-frame is secured on the shoe in the manner described, and the strap H is passed around the leg. The upright part of the frame is held in front of the leg, and if the horse bends its knees in standing, the top of the frame presses on the leg, causes pain, and forces the animal to keep its legs straight to avoid pain. The pain produced increases as the animal throws its weight on the bent legs. If the horse bends the legs sidewise at the ankles, it is also pained and forced to stand straight to avoid pain.

The above frame is used to prevent or cure knee-spring or ankle-cock. The horse can move freely and is not made uncomfortable by the spring-frame.

The above-described frame, if modified slightly, can also be used for curing persons that bend their legs at the knees or ankles.

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

1. A spring leg-frame for horses and other animals, consisting of a wire bent to fit against the top of the hoof or foot and the front of the leg, constructed to be secured to a horseshoe, and provided with a strap at its upper end, substantially as herein shown and described.

2. A spring leg-frame for animals, consisting of the spring-wire A, bent to fit against the top of the hoof and the front of the leg, and provided with the angularly-bent parts B′, having screw-threaded ends and nuts E, and with the strap H at its upper end, substantially as herein shown and described.

3. The combination, with the spring-frame A, bent to fit against the top of the hoof and the front of the leg, and constructed to be secured to a horseshoe, of the pads F G and the strap H, substantially as herein shown and described.

4. The combination, with a horseshoe having its calks perforated, of a spring leg-frame bent as described, and having its angularly-bent ends B′ screw-threaded and provided with nuts, and its upper end provided with the strap H, and the pads G F on the upper and lower ends of said frame, substantially as herein shown and described.

ALPHONSE CÔTÉ.

Witnesses:
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