

(No Model.)

F. M. HARTMAN.

HORSESHOE.

No. 285,261.

Patented Sept. 18, 1883.

Fig. 1.

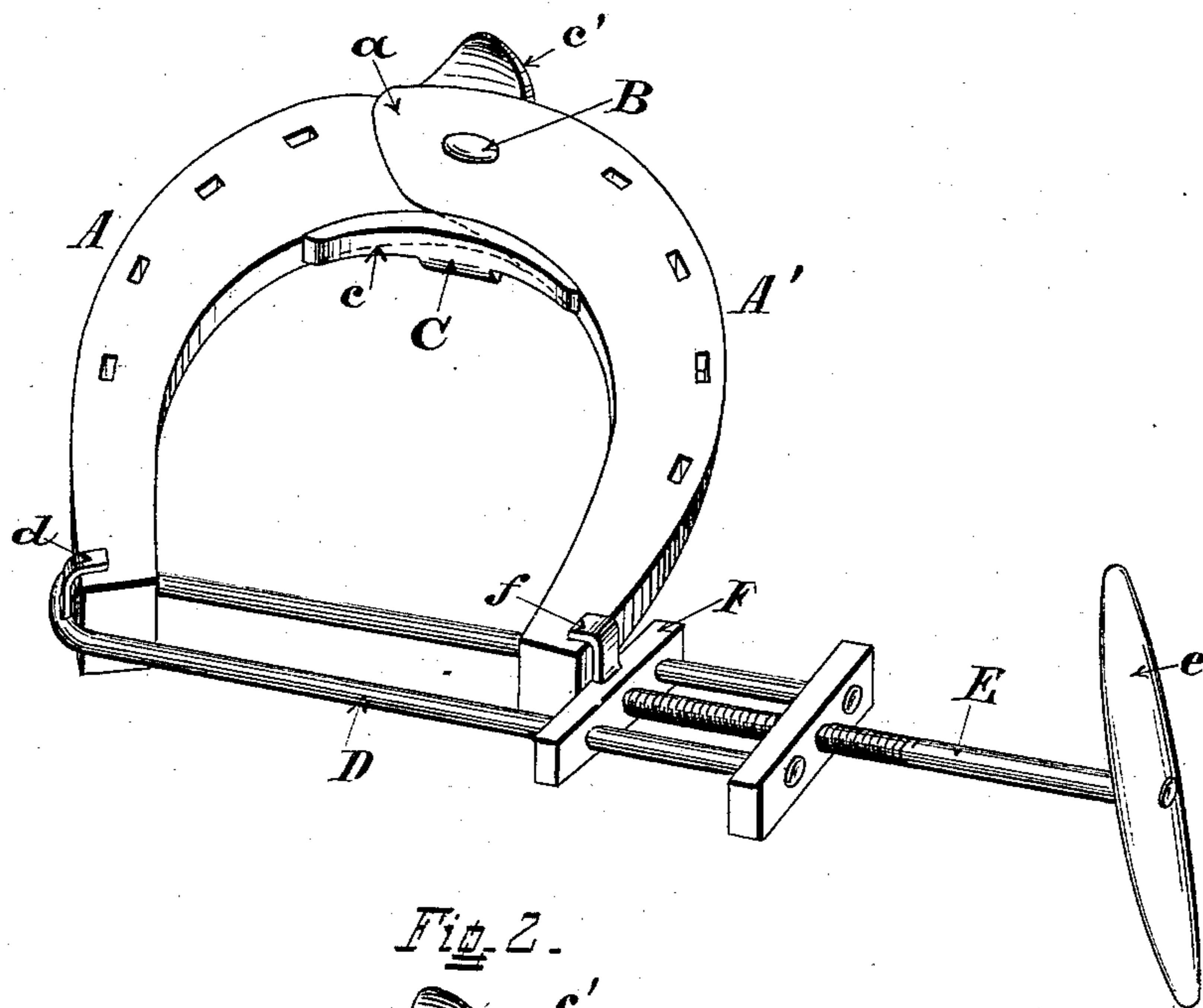
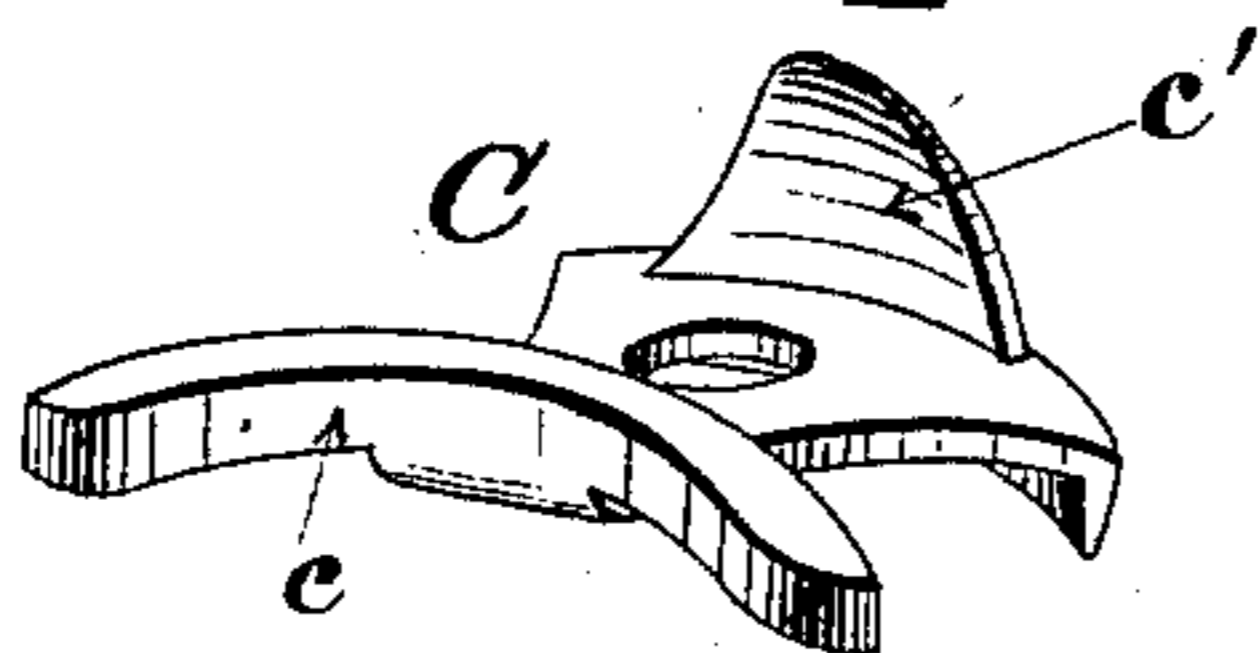


Fig. 2.



Attest
Carl Spengel
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by Knight Bros Attys.

UNITED STATES PATENT OFFICE.

FRANCIS M. HARTMAN, OF MARATHON, OHIO.

HORSESHOE.

SPECIFICATION forming part of Letters Patent No. 285,261, dated September 18, 1883.

Application filed April 28, 1883. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS M. HARTMAN, of Marathon, Clermont county, Ohio, have invented a new and useful Improvement in Horseshoes, of which the following is a specification.

The device is especially designed for use on "hoof-bound" horses.

In the accompanying drawings, Figure 1 represents, by perspective view, a horseshoe embodying my invention, and a tool by which the shoe can be contracted. Fig. 2 represents the expanding-clip detached.

The horseshoe proper is made to consist of two portions, A A', whose chamfered and overlapping ends *a* are hinged to one another by a pivot, B, which, also passing through the expanding-clip C and being riveted at its ends, secures all of these three members permanently together.

The clip C is composed of steel and has a spring-flange, *c*, or lunette-formed spring, which, pressing against the inner edges of the shoe, as shown in Fig. 1, tends, when free so to do, to spread the shoe. An opposite flange, *c'*, extending upwardly in front of the shoe, operates as an abutment to the flange *c* and takes the strain off of the pivot B. This flange *c'* may also serve as a guard-clip to the front of the hoof.

Before applying the shoe to the horse's hoof its heel ends are drawn or pressed toward one another by means of a clamp, which I reserve

the right to claim in another application, and which is constructed as follows:

D is a yoke, which has tapped within it a hand-screw, E, whose inner end bears against a jaw, F, adapted to slide upon the said yoke, and whose outer end has a handle, *e*. Hooks *d f*, that extend upward and inward from the yoke D and the jaw F, respectively, serve to prevent the clamp dropping away from the shoe before the release of the clamp by the operator. The clamp being engaged, in the manner shown in Fig. 1, about the shoe-heels, the screw E is advanced until the desired contraction of the rear portion of the shoe is secured, and the shoe, with the clamp still attached and while thus contracted, is nailed fast to the hoof. The screw E being then relaxed, permits the removal of the clamp, which removal in turn resigns the shoe to the expanding action of the spring *c*, whose constantly-exerted force both opposes and reverses the natural tendency to contraction of a hoof-bound hoof.

I claim as new and of my invention—

A horseshoe composed of two portions, A A', lapped and jointed at the toe part, in combination with the attached expander C, as set forth.

In testimony of which invention I hereunto set my hand.

FRANCIS M. HARTMAN.

Attest:

GEORGE H. KNIGHT,
CARY W. HARTMAN.