

S. KIMBALL.
Horseshoe-Pad.

No. 221,681.

Patented Nov. 18, 1879.

Fig. 1.

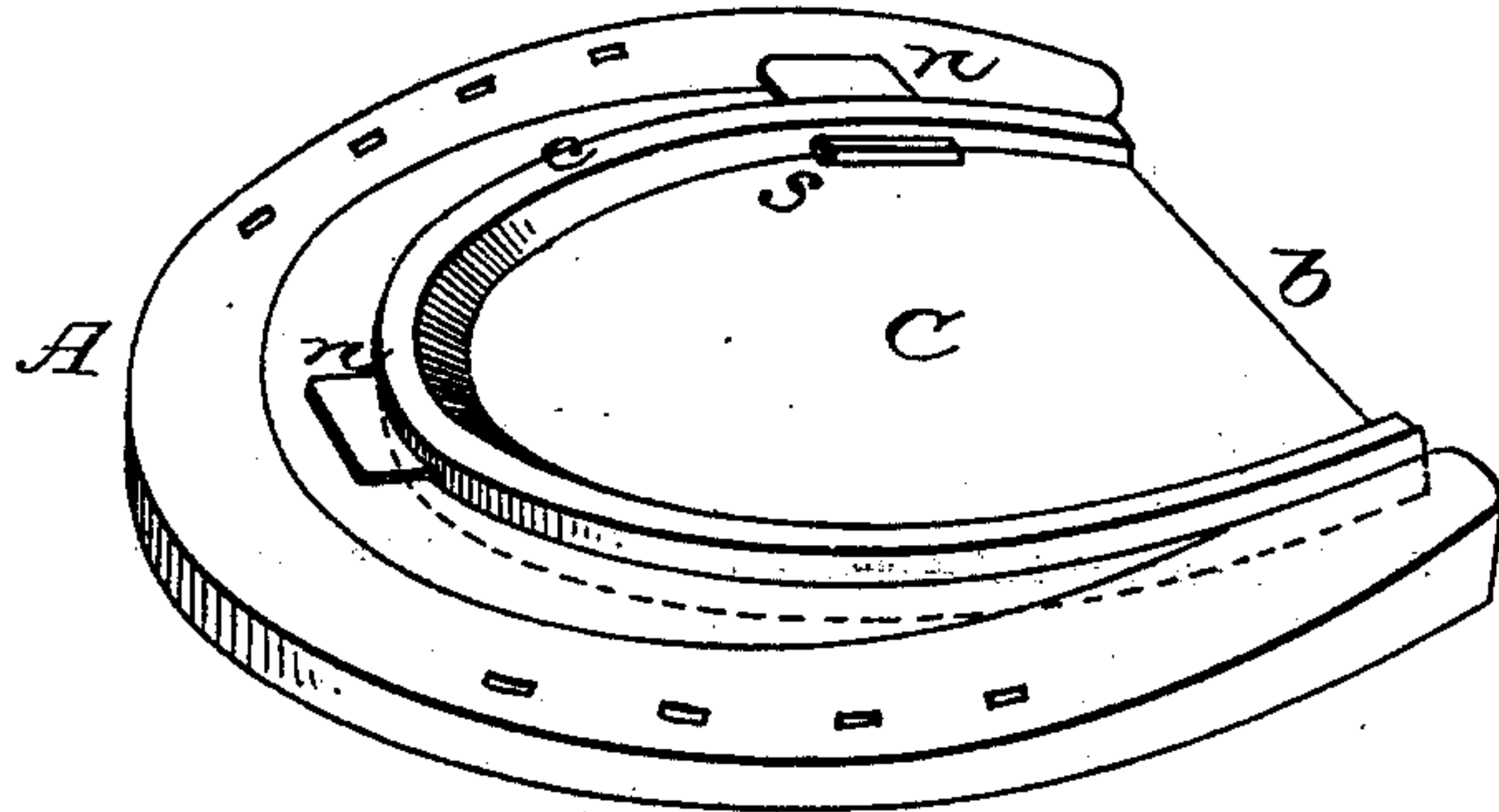
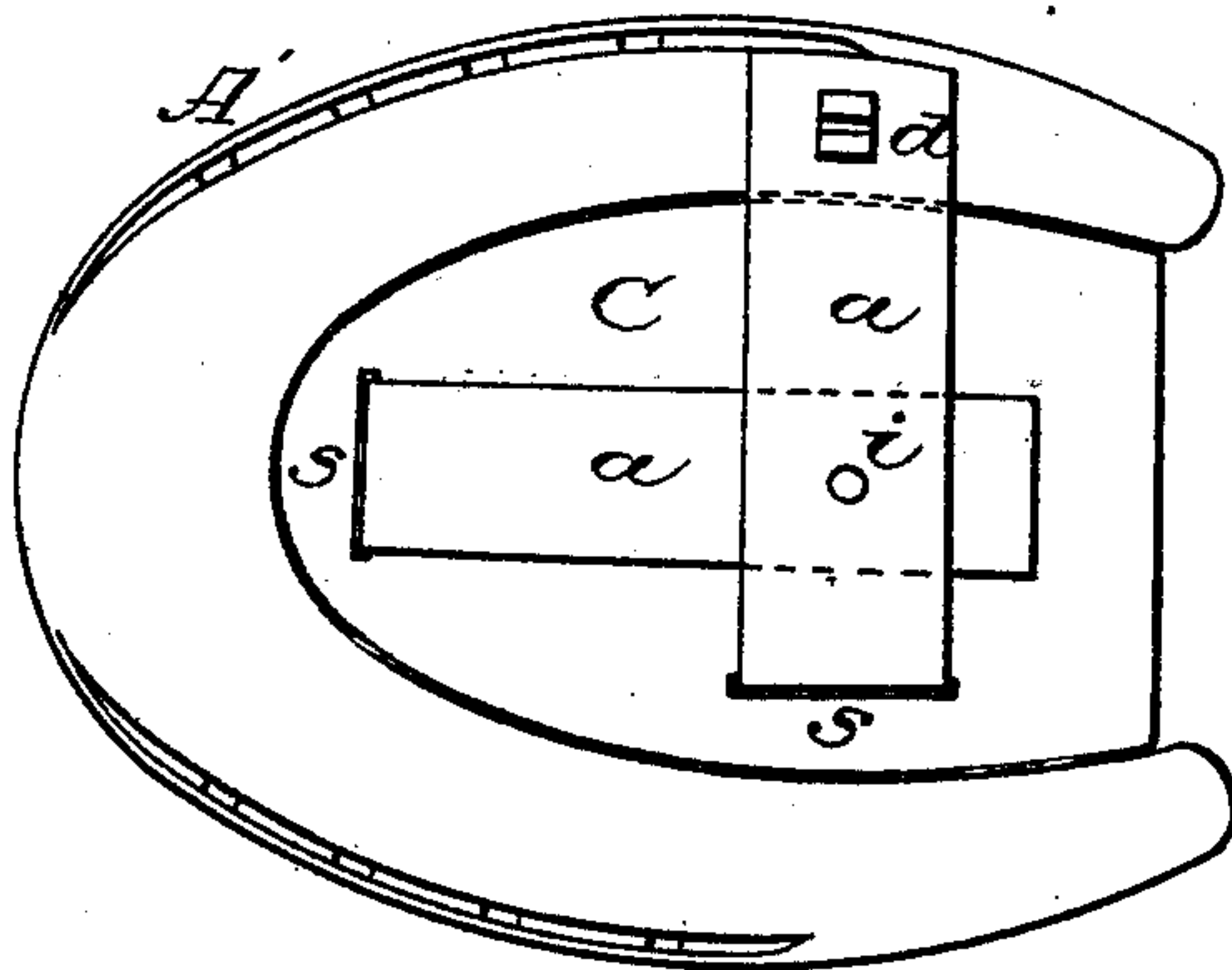


Fig. 2.



Attest:

Atkin Gilmore
A. R. Emerson

Inventor.

Stephen Kimball

UNITED STATES PATENT OFFICE.

STEPHEN KIMBALL, OF ALSTEAD, ASSIGNOR OF ONE-HALF OF HIS RIGHT
TO JOHN H. KIMBALL, OF MARLBOROUGH, NEW HAMPSHIRE.

IMPROVEMENT IN HORSESHOE-PADS.

Specification forming part of Letters Patent No. **221,681**, dated November 18, 1879; application filed
July 24, 1879.

To all whom it may concern:

Be it known that I, STEPHEN KIMBALL, of Alstead, in the county of Cheshire and State of New Hampshire, have invented a new and useful Improvement in Horseshoe-Pads, of which the following is a specification.

The invention relates to flexible pads or cushions for horses' feet, which have heretofore been attached permanently under the shoe when the horse is shod, or attached at pleasure by snapping into recesses in the shoe or under its inner edges, by means of springs or the elastic substances of which they are formed.

The object of my invention is, first, to produce a pad or sole which may be applied to any common shoe simply by drilling one hole, and may be removed at pleasure, for the purpose of preventing the adhesion of snow-balls when traveling in winter, and protecting the foot from injury by contact with stone and other sharp substances when traveling on rough roads; secondly, it being concave or chambered on its upper or inner surface, it forms a space for readily applying a wet sponge and retaining it in position, for the purpose of keeping the hoof in a moist and healthful condition during the dry summer months; and, finally, for the application of poultices, medicated sponges, or drugs for the treatment of all diseases of the feet.

In the accompanying drawings, in which similar letters of reference indicate like parts, Figure 1 is a perspective of a device embodying my invention. Fig. 2 is a plan of the same, representing the under side of shoe with pad attached.

To the inner recess of the iron shoe A is fitted a pad, C, around the edges of which is a flange, *c*, which forms a chamber, *b*, between the hoof and pad C, for the double purpose of a receptacle to hold a sponge or other substances when desired, and also to admit of the vibration of the springs *a a* for the purpose of throwing off adhering particles of snow.

The springs *a a* are riveted together at crossing *i*, and attached to the shoe A by means of a set-screw, *d*, and lips *n n*.

The pad C is retained in position by means of the springs *a a* passing through it at points *s s*.

The operation of the device as a snow-ball shoe is as follows: When the horse is traveling it bears its weight partially on the springs *a a* and pad C, which yield to the pressure, and when removed they react and form a partial vibration, which effectually throws off all particles of snow that might otherwise adhere and form a ball, which very much retards traveling on a snow-path.

What I claim is—

1. An improved pad for horseshoes, consisting of the pad C, recessed or chambered in its under surface, and adapted to be secured to the shoe by springs *a a*, riveted together, substantially as set forth.

2. The combination of horseshoe A and the chambered pad C with the springs *a a* and set-screw *d*, arranged substantially as described, and for the purpose specified.

STEPHEN KIMBALL.

Witnesses:

AIKEN GILMORE,
A. R. EMERSON.