

No. 639,995.

Patented Dec. 26, 1899.

J. D. KELLER.  
HORSE BOOT PROTECTOR.

(Application filed Mar. 20, 1899.)

(No Model.)

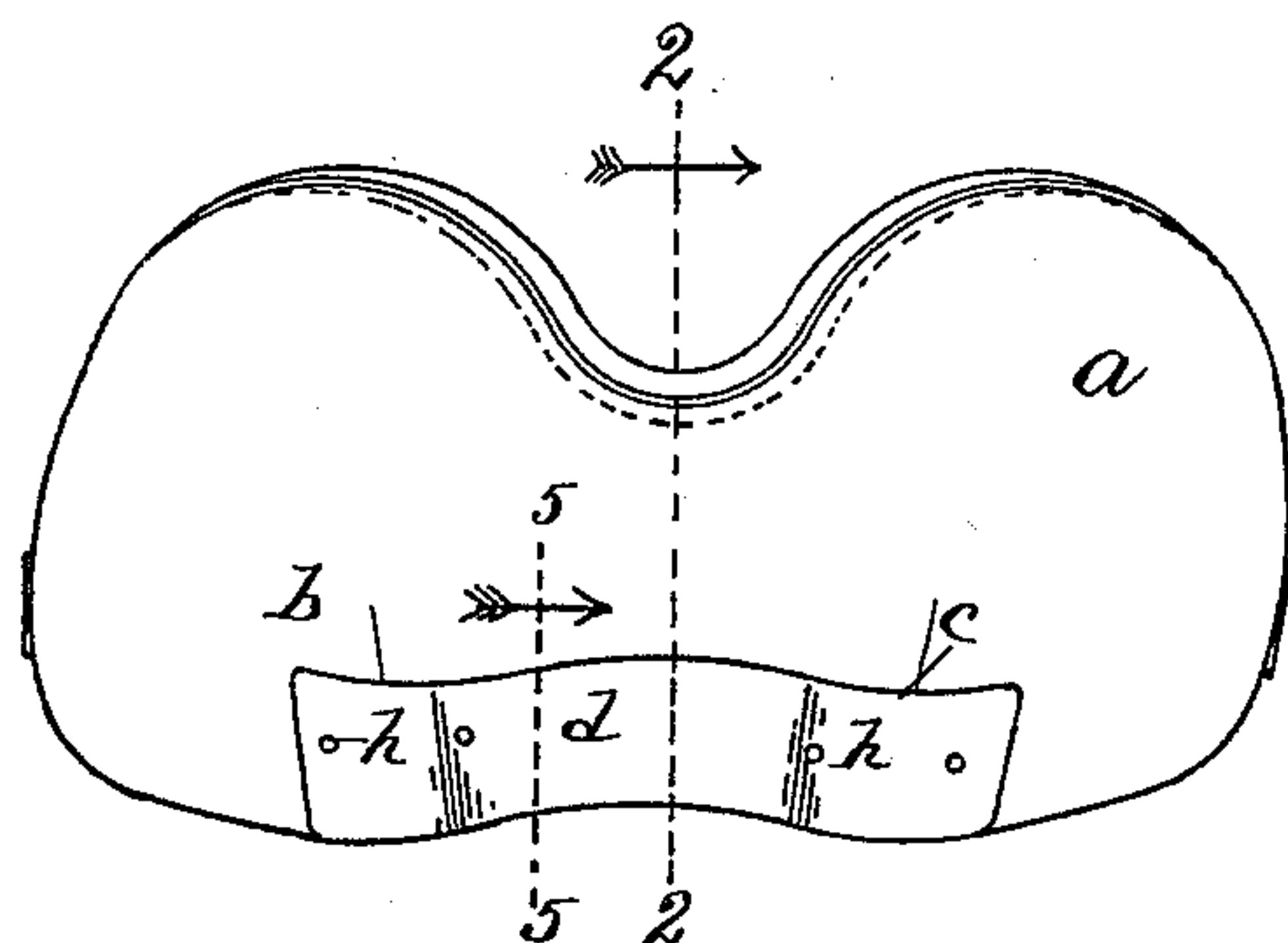


Fig. 1.

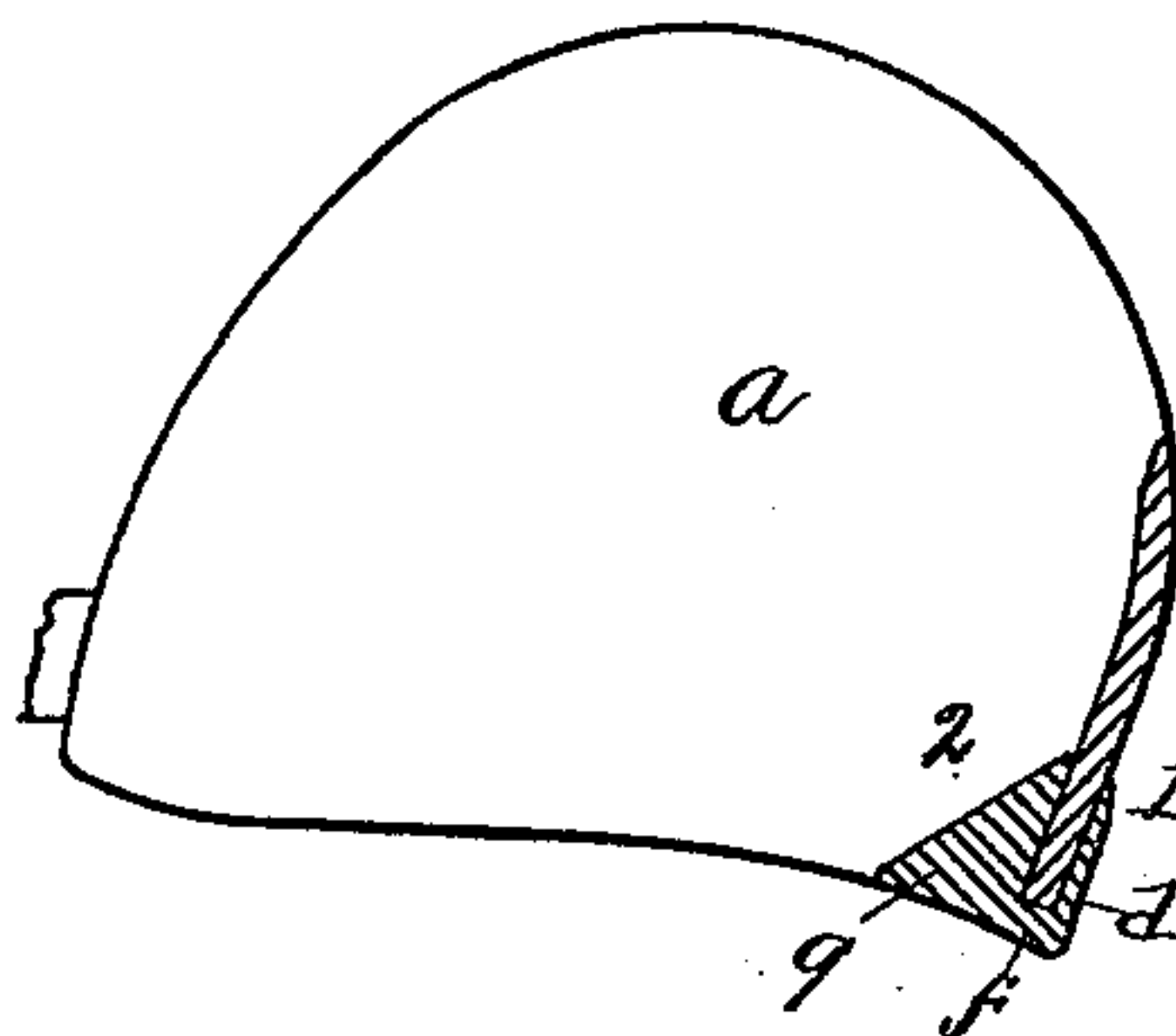


Fig. 2.

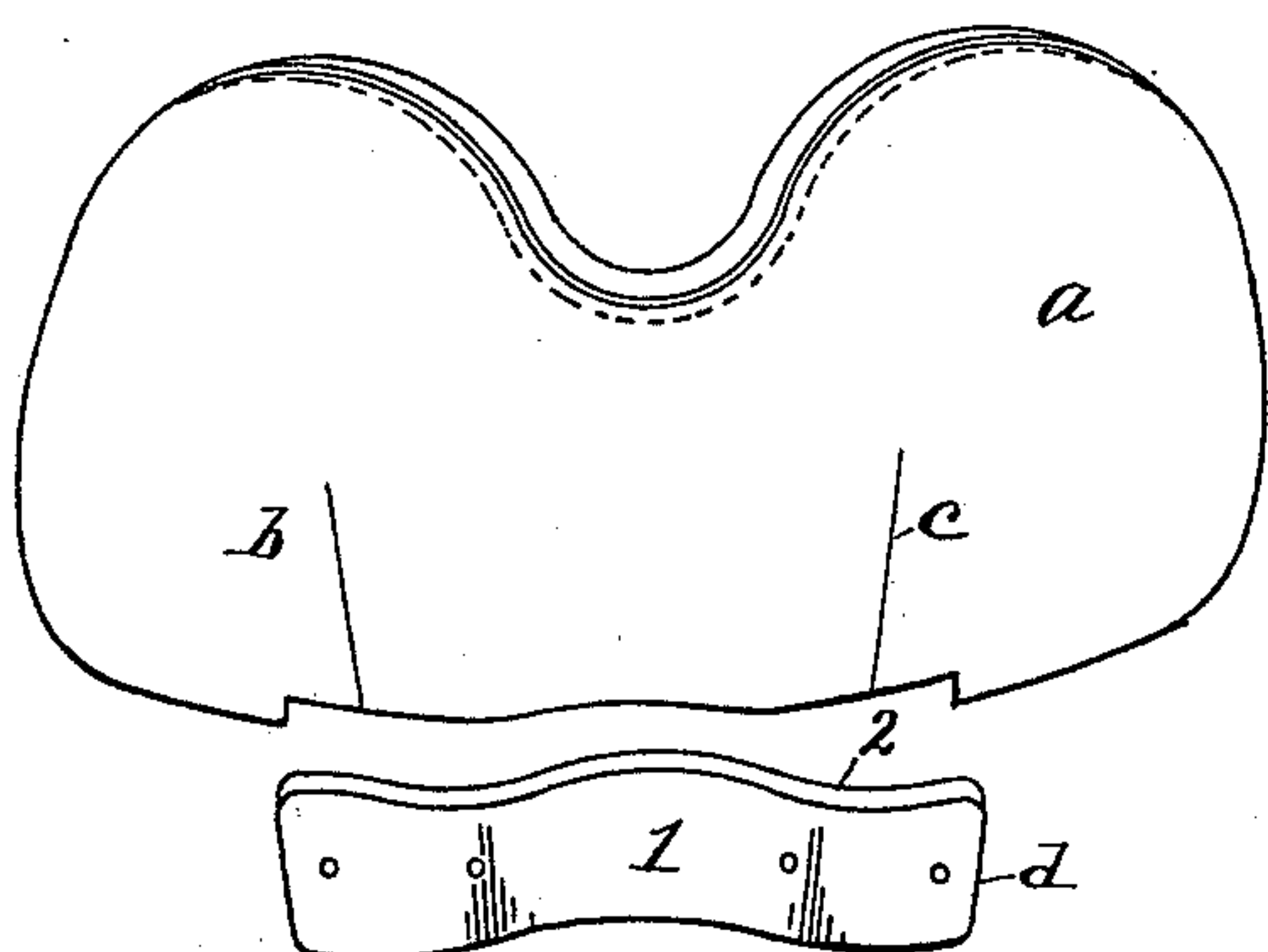


Fig. 3.

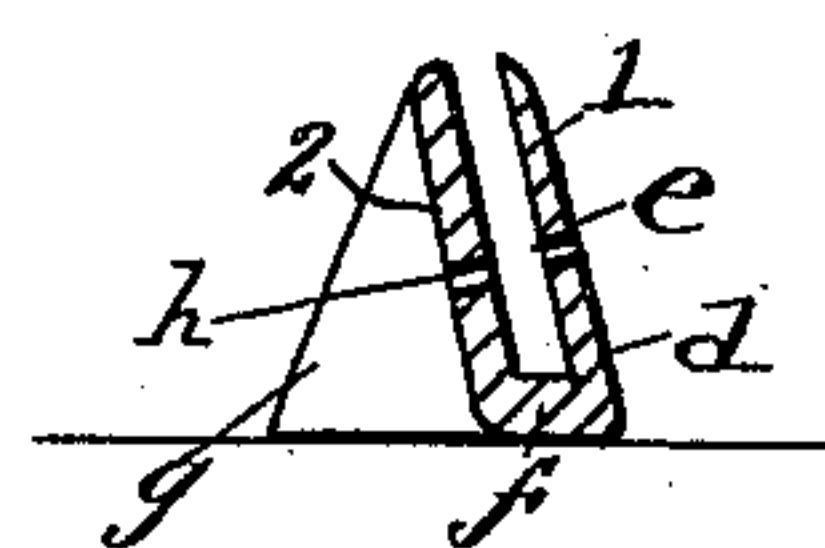


Fig. 4.

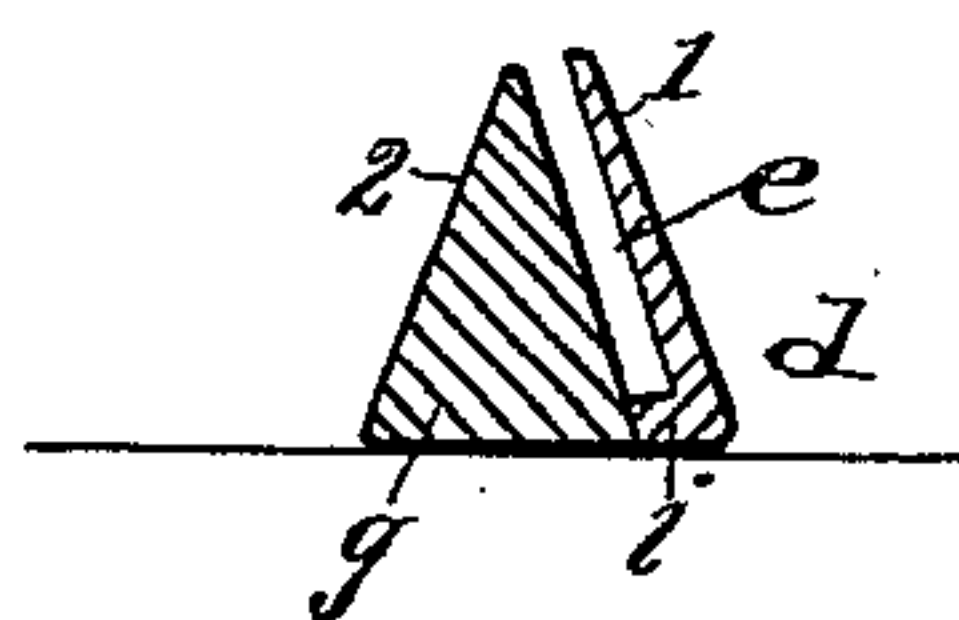


Fig. 5.

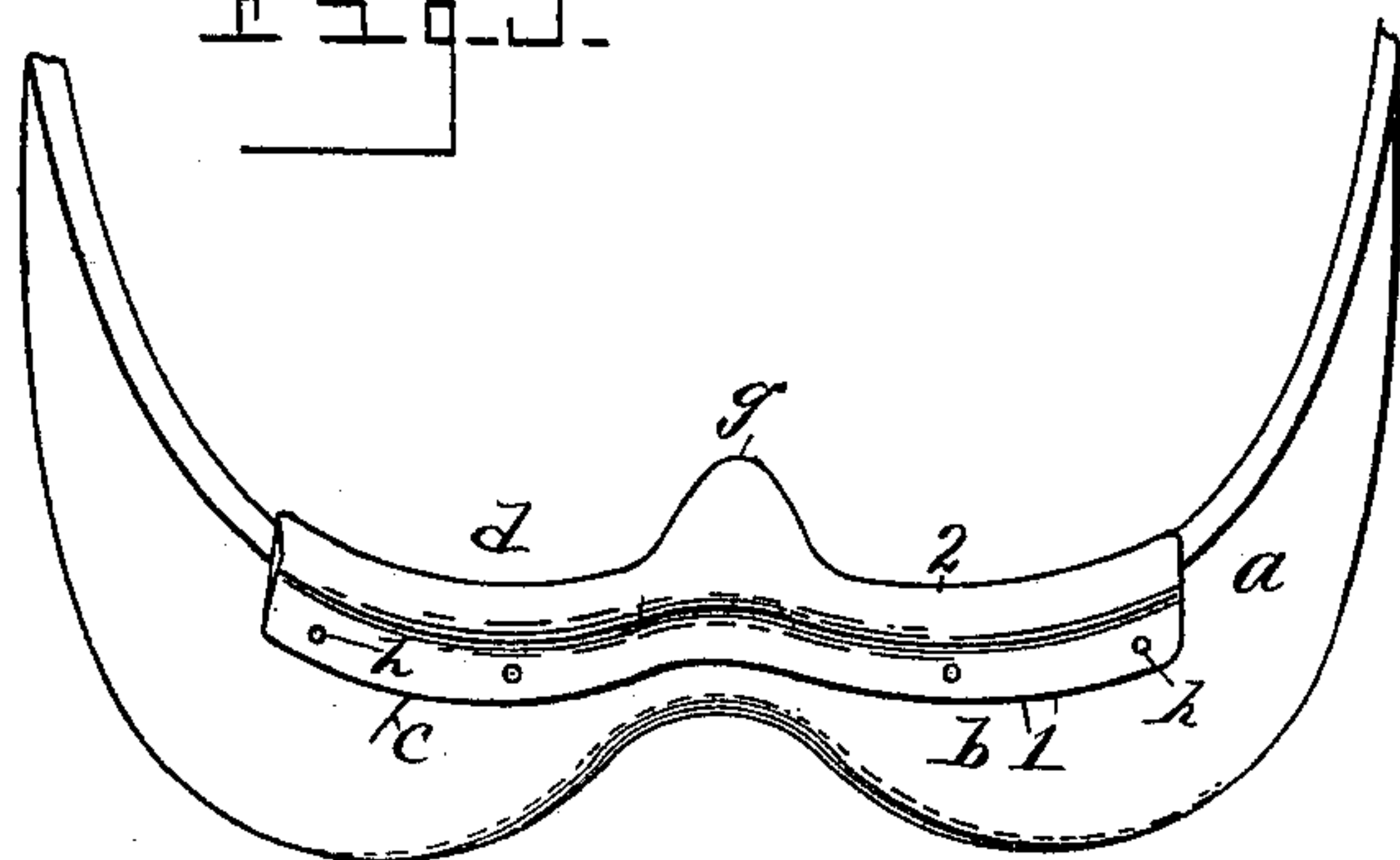


Fig. 6.

WITNESSES.

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# UNITED STATES PATENT OFFICE.

JAMES D. KELLER, OF DETROIT, MICHIGAN.

## HORSE-BOOT PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 639,995, dated December 26, 1899.

Application filed March 20, 1899. Serial No. 709,746. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES D. KELLER, a citizen of the United States, residing at Detroit, county of Wayne, State of Michigan, have invented a certain new and useful Improvement in Horse-Boot Protectors; and I declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

My invention has for its object a novel horse-boot protector; and it consists of the device hereinafter described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a view in rear elevation. Fig. 2 is a view in section on the line 2 2, Fig. 1. Fig. 3 is a view showing the boot and the protector detached the one from the other. Fig. 4 is an inverted plan. Fig. 5 is a cross-section of one of my protectors on the line 5 5, Fig. 1. Fig. 6 is a vertical cross-section illustrating a modification in the construction of the protector on the same line as Fig. 2.

My invention is more particularly designed to afford protection to a horse-boot used to prevent interfering. Heretofore in this class of boots great trouble has been experienced on account of the rapid wear of certain portions of the boot—for example, the ordinary heel and adjacent parts—which are exposed especially to wet and dirt, whereby the leather and stitching, as boots have heretofore been constructed, have been liable to rot out, while also the parts are exposed to wear from the blow of the shoe or hoof of the interfering foot of a horse as well as from other causes. These difficulties with this class of horse-boots as heretofore constructed have rendered their repair necessary at frequent intervals and has been a source of constant annoyance and expense. My invention is designed to overcome these difficulties and to provide a protector of durable and efficient construction as well as economical in its application.

In the drawings, *a* represents a horse-boot of any desired construction. This boot may be of any desired shape and formation, customarily being formed with seams at the rear,

as indicated at *b* and *c*, the edges of which are stitched together, and intermediate of which and on the inside of the boot is usually sewed the ordinary leather heel. Obviously the stitches of these seams and the stitching of the ordinary inside leather heel, as well as the stitching of the parts of the boot and toward the lower edge thereof, are liable to rot out, as well as the adjacent parts to be worn out, from their location and use.

My invention contemplates the employment of a protecting device (indicated at *d*) which may be made, as shown in Figs. 2, 3, and 5 more particularly, of two integrally-connected plates or facings, (indicated by the numerals 1 and 2,) forming a recess or opening *e* therebetween to receive the adjacent portion of the boot *a*, as indicated more particularly in Fig. 2. The parts 1 and 2 are connected at their lower edges, as indicated at *f*, by an integrally-connecting flange, said flange forming protection for the lower edge of the boot. The inner plate or facing 2 may be formed with a heel *g*, analogous to the leather heel customarily employed, to prevent the boot slipping up and moving laterally. The protector *d* may be fastened upon the boot in any suitable manner—for example, as by rivets *h*. A protector so constructed obviously protects the inner and the outer faces of the boot toward the rear and lower edge thereof, as well as the rear lower edge, from wear, the stitching, as well as the leather of the boot, being effectually protected.

Instead of making the protector integral the outer and inner plates or facings 1 2 might be made separate, one of said plates or facings, as the outer plate 1, being formed with a flange *i* to extend over the under edge of the boot. I do not limit myself to making the two plates or facings 1 2 either integral or separable, as my invention contemplates either as coming within its scope.

While I prefer to make my improved protector of metal, I do not limit myself solely thereto, as it might be made of other suitable material—as, for example, of hard rubber. While, also, I have shown two plates or facings 1 2 extending over a portion of the rear part of the boot both on the outside and on the inside thereof, my invention contemplates as coming within its scope the employment of



an outerfacing only, as the facing 1, in which event the ordinary leather heel might be employed on the inside of the boot, my invention embodying a protecting facing or plate for  
5 the boot on the outside thereof or on both sides, as may be preferred.

It is obvious that a horse-boot provided with my improved protector is made much more durable than boots of this class as heretofore constructed.  
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The facings or plates may either be made of cast metal or of metal plate stamped of required form where metal is employed.

It is evident that the protector being riveted on each side of the seams, as indicated  
15 in the drawings, not only shields the seams, but also holds the seams and prevents them from spreading.

What I claim as my invention is—

The combination with a horse-boot formed with seams on the rear side of the boot, of a protector for said boot and seams consisting of protecting faces or plates formed of metal provided with a flange to protect the under edge of the boot and engaged upon the inner  
20 and outer surfaces of the boot at the rear thereof, the inner of said facings or plates provided with a heel formed integral therewith and intermediate the extremities thereof, said protector riveted to the boot on each side  
25 said seams, for the purpose described.  
30

In testimony whereof I sign this specification in the presence of two witnesses.

JAMES D. KELLER.

Witnesses:

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MARY HICKEY.