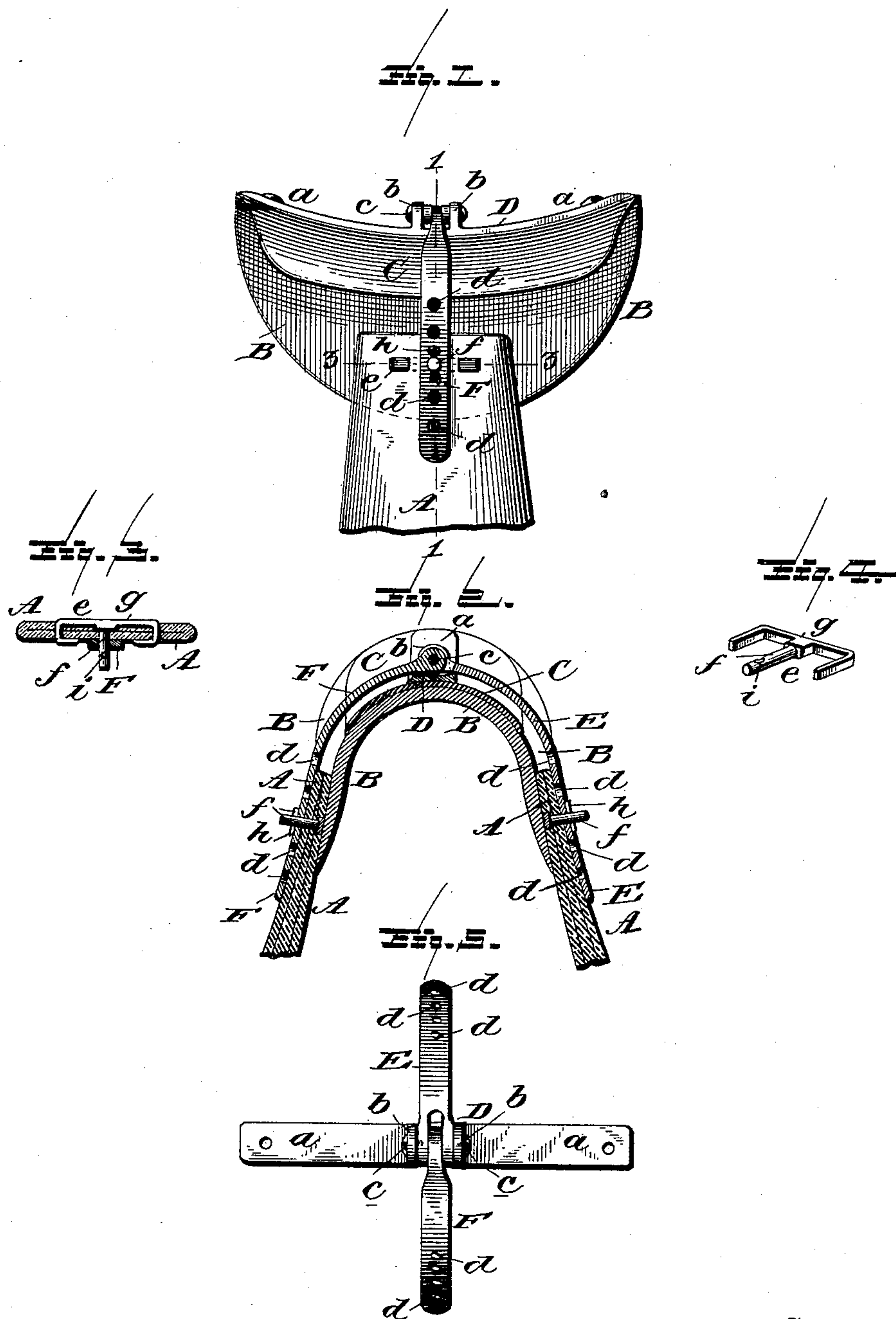


(No Model.)

L. H. KINDY.
HARNESS COLLAR PAD.

No. 435,229.

Patented Aug. 26, 1890.



Witnesses

L. C. Hills.

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UNITED STATES PATENT OFFICE.

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HARNESS COLLAR-PAD.

SPECIFICATION forming part of Letters Patent No. 435,229, dated August 26, 1890.

Application filed April 25, 1890, Serial No. 349,491. (No model.)

To all whom it may concern:

Be it known that I, LEVI H. KINDY, a citizen of the United States, residing at Medina, in the county of Medina and State of Ohio, have invented certain new and useful Improvements in Harness Collar-Pads; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

This invention relates to certain new and useful improvements in collar-pads and means for fastening the same in place.

It is designed for collars separated at the top, and aims to provide a simple, cheap, durable, and readily-applied device of this character, which can be manufactured at a minimum cost.

Other objects and advantages of the invention will hereinafter appear, and the novel features thereof will be specifically defined by the appended claim.

The invention is clearly illustrated in the accompanying drawings, which, with the letters of reference marked thereon, form a part of this specification, and in which—

Figure 1 is a side elevation showing portions of a collar with my improvements applied. Fig. 2 is a vertical section through the line 1 1 of Fig. 1. Fig. 3 is a section on the line 3 3 of Fig. 1. Fig. 4 is a perspective view of one of the securing-pins removed. Fig. 5 is a plan of the fastener removed.

Like letters of reference indicate like parts throughout the several views.

Referring now to the details of the drawings by letter, A designates the upper ends of the two portions of a collar of known construction, being separated, as shown, and B is the pad, which is shaped, as shown, to complete the contour of the collar. Upon the upper face of this pad there is affixed a metallic plate C, to the upper face of which centrally is secured the arms *a* of the plate D, the said arms near the outer ends being provided with suitable holes for the passage of the means which secure the same to the plate C. Centrally this plate D is formed with upwardly-extending ears or lugs *b*, between which is pivoted the curved arm E, the pivot end of which is bifurcated, as shown best in Fig. 5, and between the bifurcations is pivoted the flattened end of the oppositely-ex-

tending curved arm F, both arms being pivoted on the pin *c*, which is supported in the ears or lugs of the plate D, as seen in Fig. 5. These arms E and F are formed on a curve corresponding to the curvature of the pad, and the lower ends conform to the shape of the parts of the collar to which they are secured. The lower ends of the curved arms are formed with a plurality of holes *d* and are secured to the collar portions by means of the pins *e*, one of which is shown detached in Fig. 4. It consists of a shank *f*, preferably round, a cross-bar *g*, extending at right angles thereto in opposite directions and the ends of the cross-bar bent at right angles to its length and parallel with the shank, as shown.

In practice the shank of the pin is passed through an opening in the collar and through one of the openings in the lower portions of the arm E or F and the ends of the cross-bar passed through the collar portion and clinched, as shown in Fig. 3. The end of the shank which is passed through the opening in the arm then receives a key or pin *h* through a suitable hole *i* provided therefor, as shown in Figs. 1, 2, 3, and 4.

This forms a simple, cheap, and easily-applied device, which can be readily adjusted or detached when desired. The fastenings are secure and cannot become accidentally detached. The hinging of the arms allows sufficient yielding of the parts to render the pad easy to the animal.

What I claim as new is—

The combination, with the collar portions and the pad, completing the contour of the collar at the upper end, of the hinged curved arms on the pad, with their lower ends conforming to the collar portions, and the pins *e*, having cross-bar *g* and arms extending at right angles from the ends of the cross-bar and secured to the collar portions, a shank passed through the collar portions and through a hole in the curved arm, and a removable key engaging a hole in the shank outside the arm, substantially as shown and described.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

LEVI H. KINDY.

Witnesses:

FRANK HEATH,
R. R. RETTIG.