

(No Model.)

L. S. HOYT.
MOLDED BRIDLE WINKER.

No. 376,742.

Patented Jan. 24, 1888.

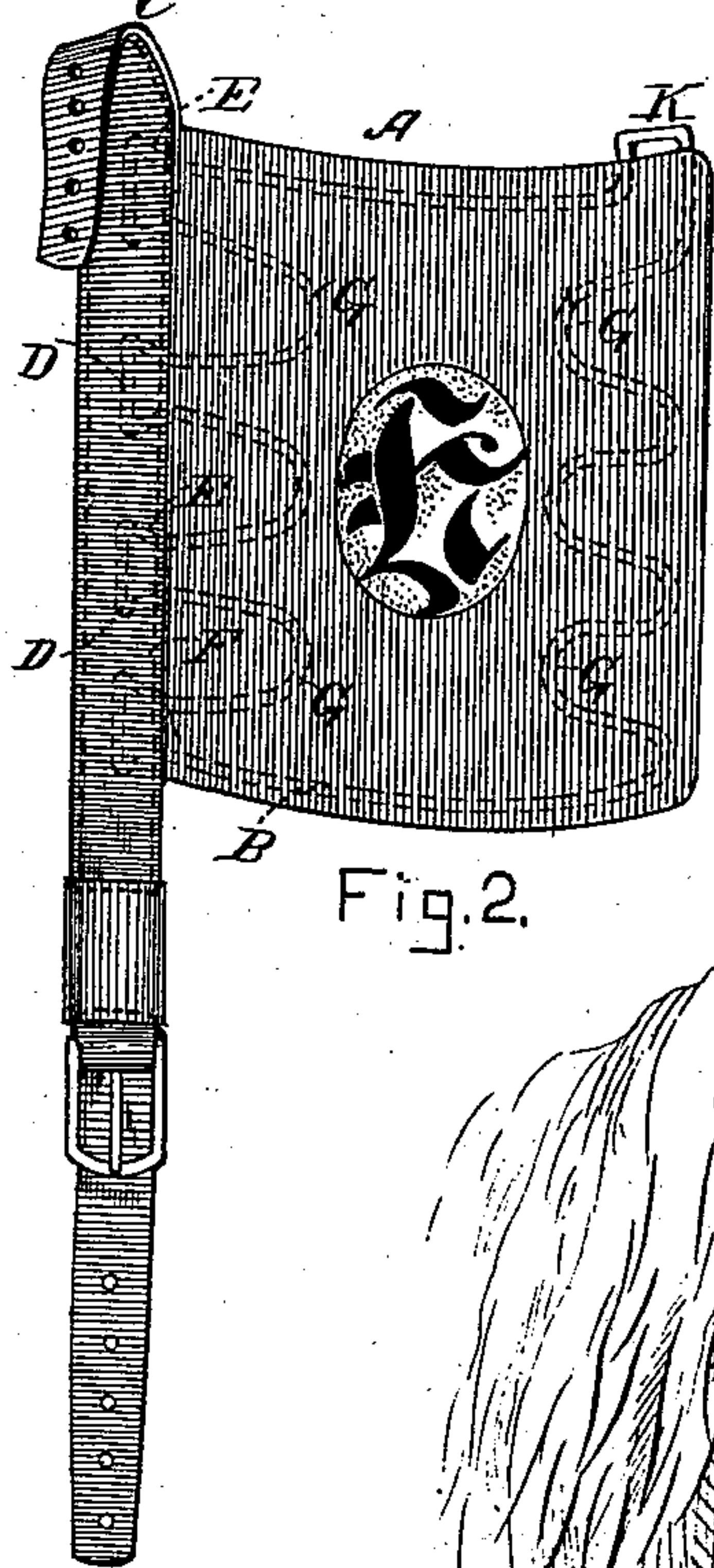


Fig. 2.

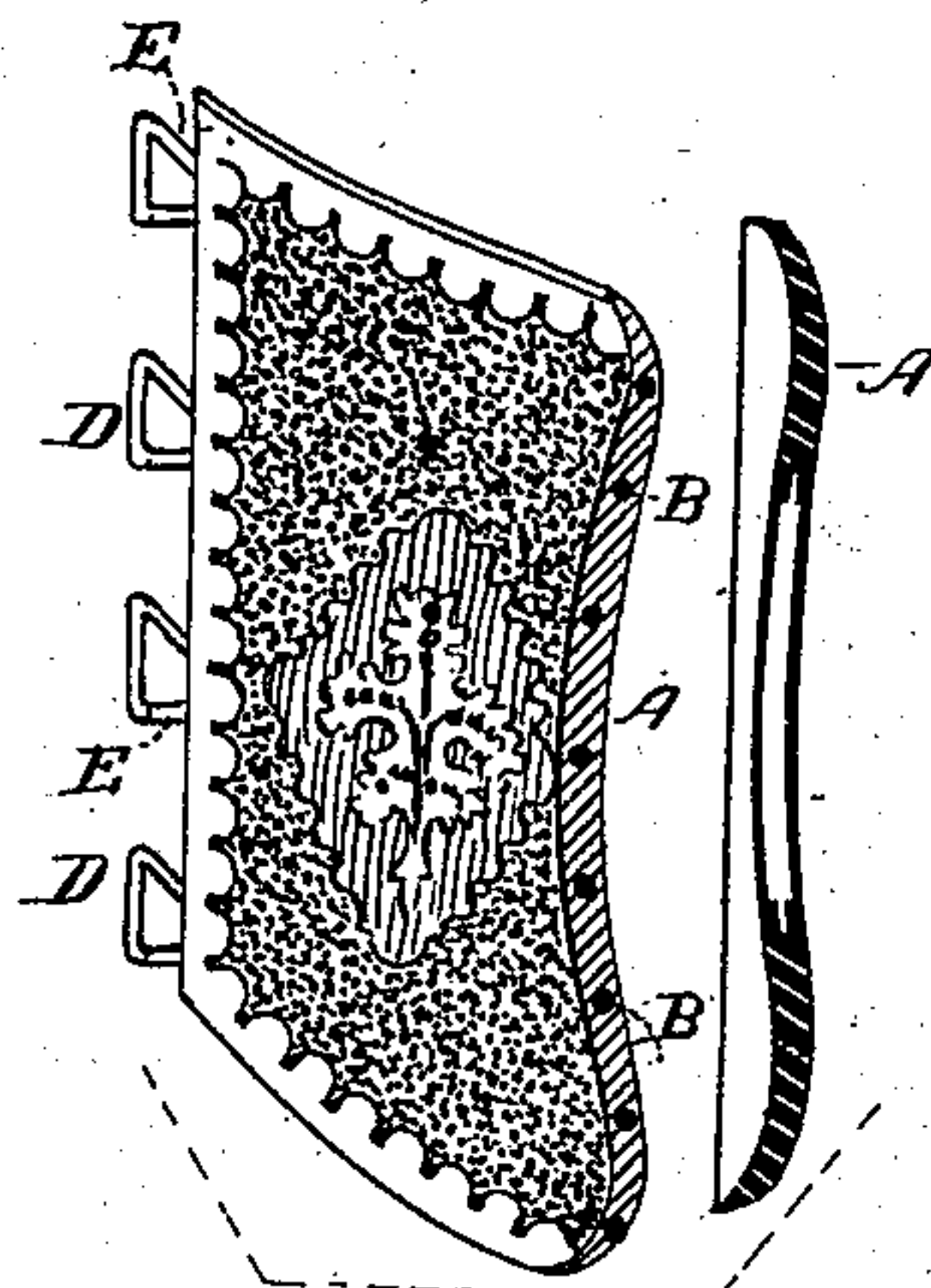


Fig. 3.

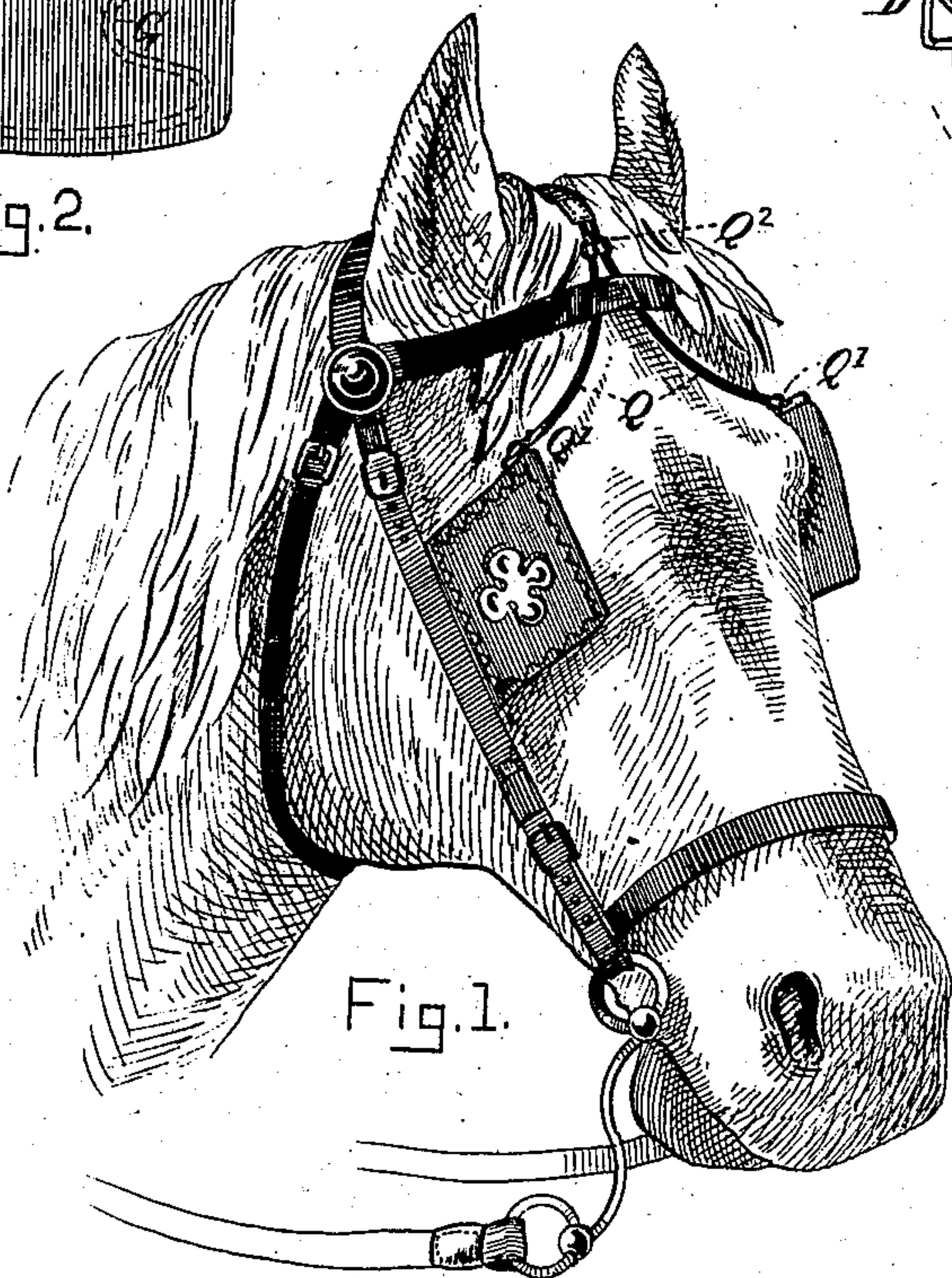


Fig. 1.

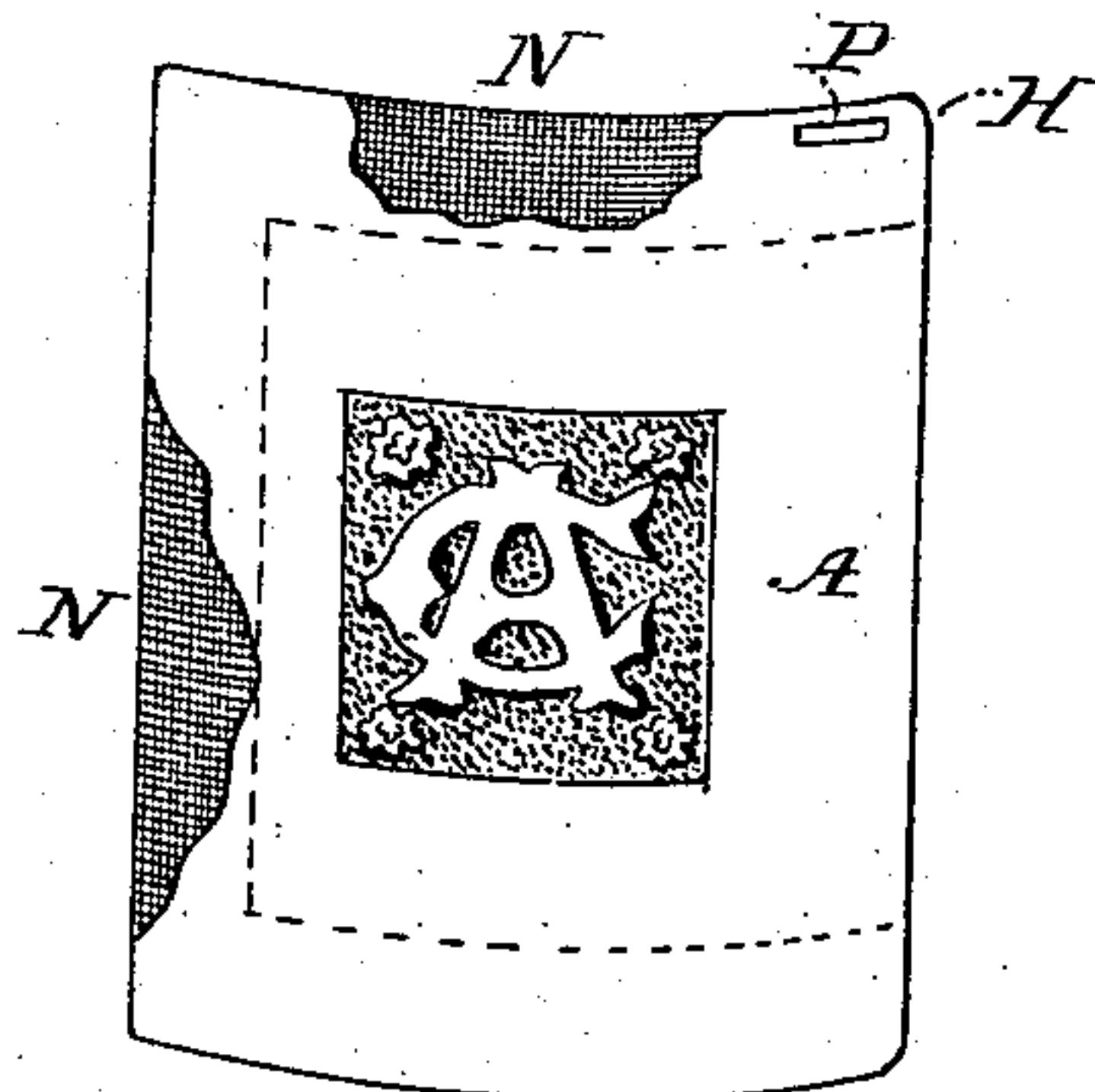


Fig. 4.

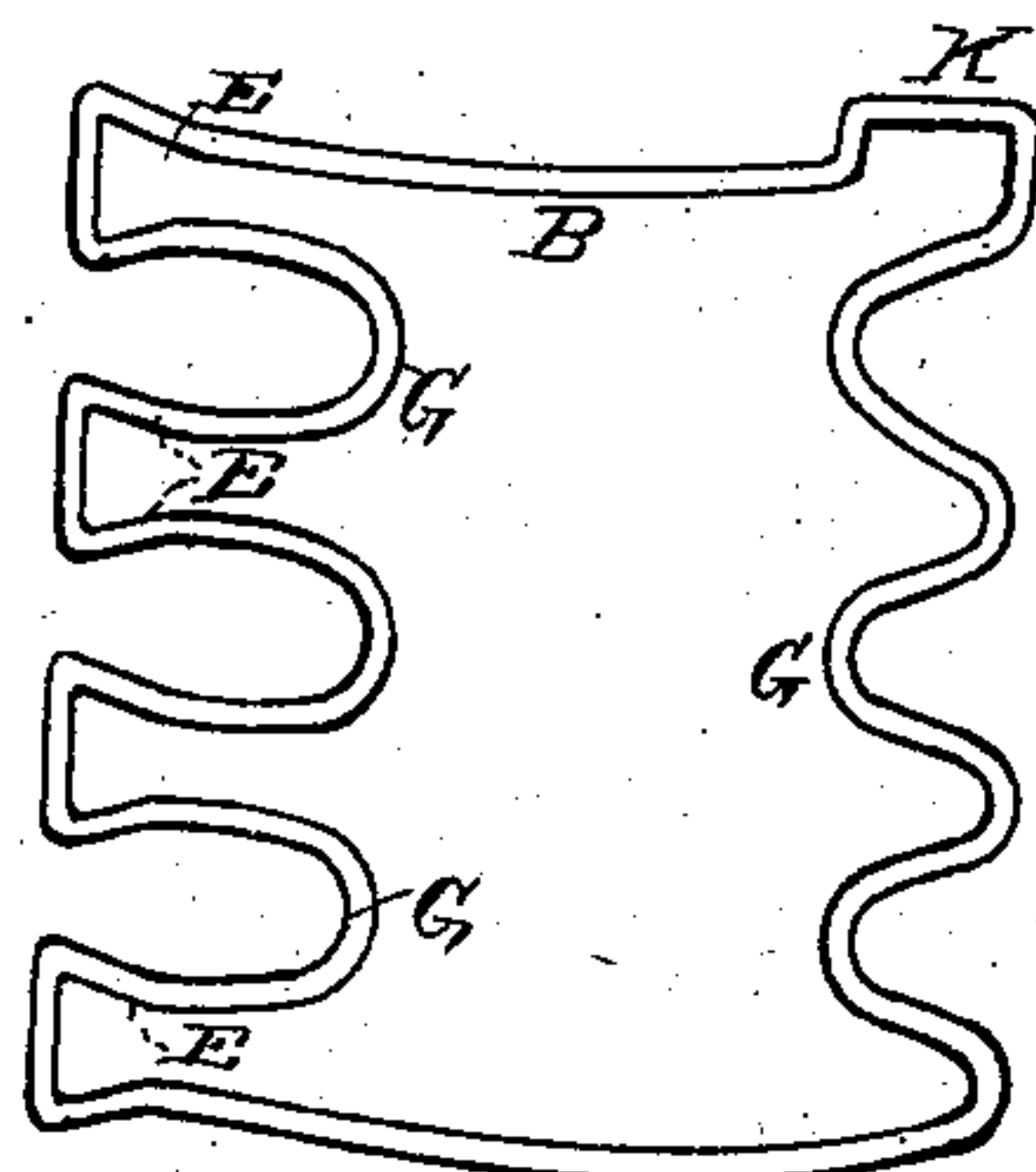


Fig. 5.

Witnesses:
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UNITED STATES PATENT OFFICE.

LEWIS S. HOYT, OF BOSTON, MASSACHUSETTS.

MOLDED BRIDLE-WINKER.

SPECIFICATION forming part of Letters Patent No. 376,742, dated January 24, 1888.

Application filed May 10, 1887. Serial No. 237,771. (No model.)

To all whom it may concern:

Be it known that I, LEWIS S. HOYT, a citizen of the United States, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Molded Bridle-Winkers, of which the following is a specification.

The purpose of my improved invention is to produce economically a winker for horses' bridles which may readily be adjusted to any angle required, and which efficiently combines strength and durability, united with an elegance of design and rigidity of construction not previously attained in the production of this line of manufacture. Heretofore the absence of such qualities in the ordinary construction of bridle-winkers detracts to an appreciable degree from the appearance of this very prominent portion of the harness, as well as lessens to a great extent its economic value. These important desiderata I attain through the devices illustrated in the annexed drawings and the construction therein shown, wherein—

Figure 1 exhibits my improved invention in its application, Fig. 2 being a side elevation of the molded winker with the cheek-strap thereto attached. Fig. 3 combines a three-quarter section in perspective and a vertical central section to exhibit the embedded ornament or initial. Fig. 4 is a side elevation of the modified construction of my invention. Fig. 5 is a plan of the body re-enforcement or strengthening-frame previous to its embedding in said winker.

Similar letters of reference indicate corresponding parts in the several views thereof, referring to which—

A designates the winker, preferably composed of granulated cork and rubber or other rubber compounds set to shape in molds by vulcanization.

Having prepared my metal molds, which in shape conform to the selected design and in capacity to the desired thickness of the winker, one-half of the plastic composite material is then introduced and firmly compacted. At this stage of the operation the annealed or copper-wire frame B is pressed thereon, which forms the foundation of the winker, and by which the same is secured to the cheek-strap

C through the reflexed projecting shoulders D, so bent as to form contiguous angles E, thus fashioned to obviate their withdrawal from said strap C, wherein they are firmly secured by stitches, as illustrated at F, Fig. 2, or by rivets or other analogous means. Through the medium of said shoulders D, I accomplish my purpose of setting said winker at any angle I may desire, which position is assured and maintained by the adjustment of said bifurcated frontal straps Q, it being obvious that with such rigid adjustment, as aforesaid, I can support my winker at any selected angle, even in the absence of said frontal straps. The several re-entering loops G extend toward the center of the winker such a distance as may be deemed necessary to impart strength to the product. Protruding from the upper edge of the winker, near the corner H, a loop, K, is formed to receive the adjusting front strap, Q, which as an auxiliary assists in maintaining the position of the winker, which conforms to the angles assumed by the projecting shoulders D—the result of individual caprice and the necessity of obscuring the animal's vision.

In the manufacture of my winkers I purpose, as illustrated in Fig. 3, to place a metallic monogram, letter, or design, R, in the mold before placing in my compound, which after vulcanization remains firmly fixed in the winker, thereby ornamenting the surface of the same with characteristic designs to suit the requirements of trade. By previously adding said ornate embellishments I am enabled to supply consumers with greater expedition than ordinarily.

In the production of my goods, where no metallic design is wanted as an ornament, but rather a raised figure or initial, or the edge bordered to imitate stitching, as in Fig. 1, I prepare the mold so that my plastic compound will conform to the same, and when ready to be taken therefrom will remain a fac-simile of the mold prepared, which product may be readily lacquered or japanned.

In the production of my goods, wherein no metal strengthening-frame is employed, the modified construction, as exhibited in Fig. 4, may be adopted, wherein N designates the body re-enforcement, which consists of any

strong woven textile material with the plastic compound overlaid. This may readily be stitched to the cheek-strap without danger of destroying or injuring the same by the process of stitching on account of the textile re-enforcements inserted therein, the frontal adjusting-straps in this instance being inserted through the perforation P, which is formed in molding, or after, at the option of the maker.

10 I further design to supply these goods to the consumers with the several parts united, as delineated in Fig. 2, ready for instant attachment to any bridle.

Having described my improved bridle-winker and its method of construction, I desire to secure by Letters Patent of the United States, and I claim—

1. A bridle-winker whose elementary parts consist of granulated cork and rubber or other rubber compounds set to shape in a mold, having embedded therein a strengthen-

ing wire frame, B, provided with projecting reflexed shoulders D, and a loop, K, said compound vulcanized with sulphur or its equivalent, to join said frame and body to produce a solid product, substantially as herein described.

2. In a composite bridle-winker, a strengthening metal, B, provided with contiguous re-entering loops G, an adjusting frontal-strap loop, K, and the reflexed projecting shoulders D, thereby forming the adjusting devices by which said winker is secured at varying angles, combined with the vulcanized body A, substantially as and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

LEWIS S. HOYT.

Witnesses:

WM. H. MILLER,
HENRY E. WAITE.