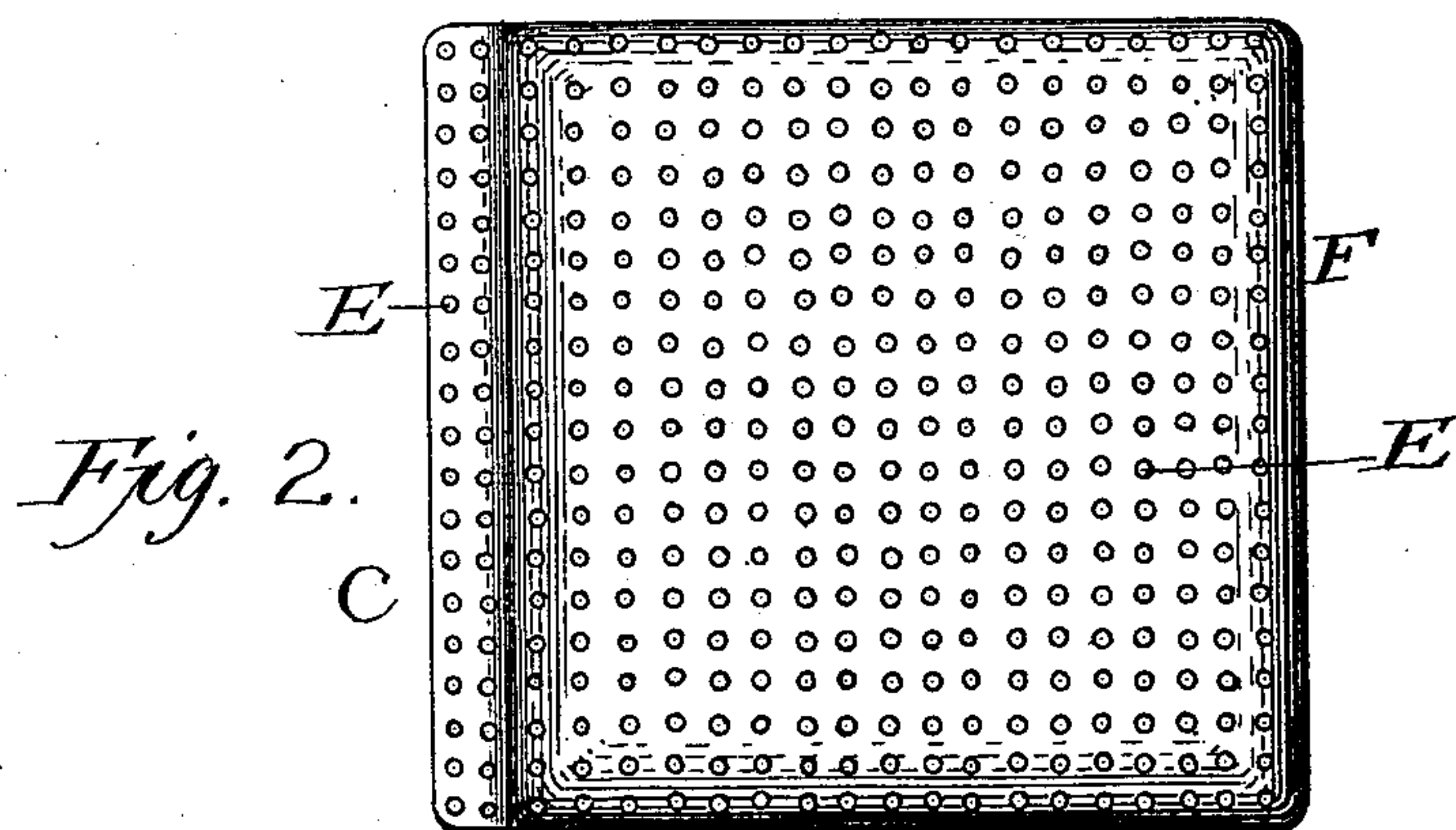
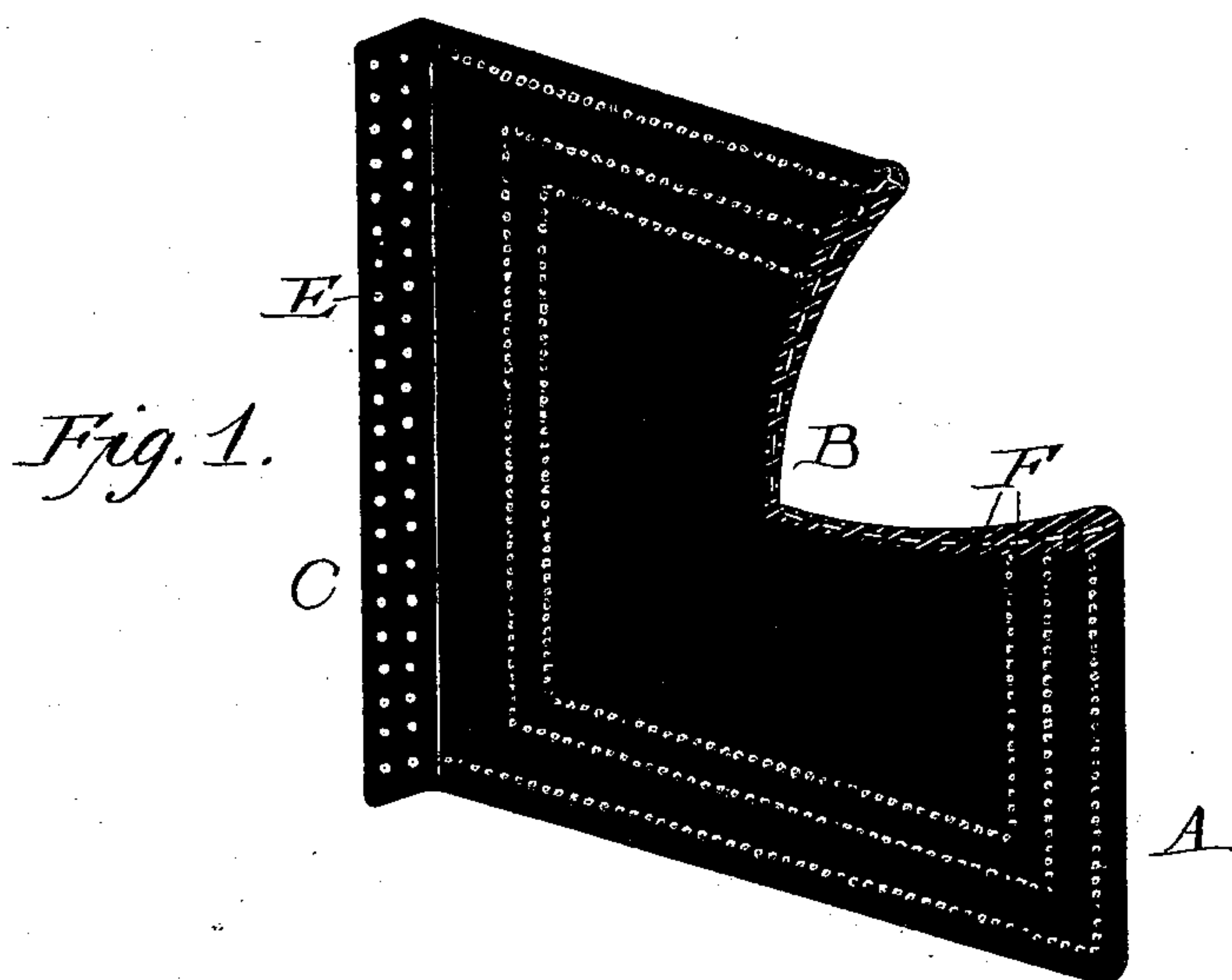


(No Model.)

W. KIEL.
BRIDLE BLINDER.

No. 542,263.

Patented July 9, 1895.



Witnesses:

Albert B. Blackwood.

William A. Reid.

Inventor.

William Kiel,

by Thelton D. Brock

Attorney.

UNITED STATES PATENT OFFICE.

WILLIAM KIEL, OF BUTLER, NEW JERSEY, ASSIGNOR TO THE BUTLER HARD RUBBER COMPANY, OF NEW YORK, N. Y.

BRIDLE-BLINDER.

SPECIFICATION forming part of Letters Patent No. 542,263, dated July 9, 1895.

Application filed April 1, 1895. Serial No. 544,071. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM KIEL, a citizen of the United States, residing at Butler, in the county of Morris and State of New Jersey, have invented certain new and useful Improvements in Bridle-Blinders; and I do 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 letters of reference marked on the accompanying drawings, which form a part of this specification.

Figure 1 represents a side elevation of a bridle blinder or blinker embodying my invention. Fig. 2 is a plan view of the perforated core. Fig. 3 is a cross-section of the blinder.

Heretofore blinders for harness - bridles have usually been made of leather. Where it has been desired to give the blinders a highly-polished finish, they have been made with an outside covering of what is known as "patent" leather. This covering substance, while answering fairly well, is unfavorably acted upon by rain, sudden changes of temperature, frequent washing, and the like, which destroy in a short time its polish and the fabric itself. To obviate these objections and produce a highly-superior quality of blinder, unaffected by washing, moisture, changes of temperature, &c., I have invented and manufactured a blinder of hard-rubber with a central core extending throughout the area of the blinder. In practice I found that a blinder made of solid hard rubber was too brittle, but by providing a perforated metallic core of some suitable substance, running entirely through the center of the blinder, I was enabled to produce a very superior article of manufacture having decided advantages, which will be hereinafter set forth.

In the drawings, A represents a bridle-blinder, preferably of substantially rectangular form, having a concave-convex portion B of the usual form and construction.

C is a side extension of the blinder perforated with a series of holes E, by means of which it may be stitched or otherwise attached to the cheek-straps or other part of the bridle.

F is the perforated core conforming to the concave-convex form of the bridle-blinder, and extending out into the side extension C, so that the perforations E pass through the core F, as well as through the hard-rubber on both sides thereof.

At the point where the side extension C joins the portion B, the core F is bent at an angle sufficiently great to permit the blinder to stand out from the side of the horse's head at such an angle as will allow the horse to have an unobstructed front view.

I may use any metal suitable for the purpose for the core.

I prefer to form the hard-rubber layers upon both sides of the core thinner at the center than at the outer edges and gradually increasing in thickness of the layers toward the outer portions.

In using a perforated metal plate as a core the rubber compound is caused to flow through the perforations from one side to the other and interlock therethrough when vulcanized, thereby forming a strong homogeneous structure of great strength and durability.

I claim—

The bridle - blinder substantially as described, comprising a perforated plate forming a core, and layers of hard rubber upon each side of the core extending through the perforations thereof and vulcanized thereto, said plate being provided with an extension having perforations.

In testimony whereof I affix my signature in the presence of two witnesses.

WILLIAM KIEL.

Witnesses:

GEO. H. GURUTER,
JOS. F. McLEAN.