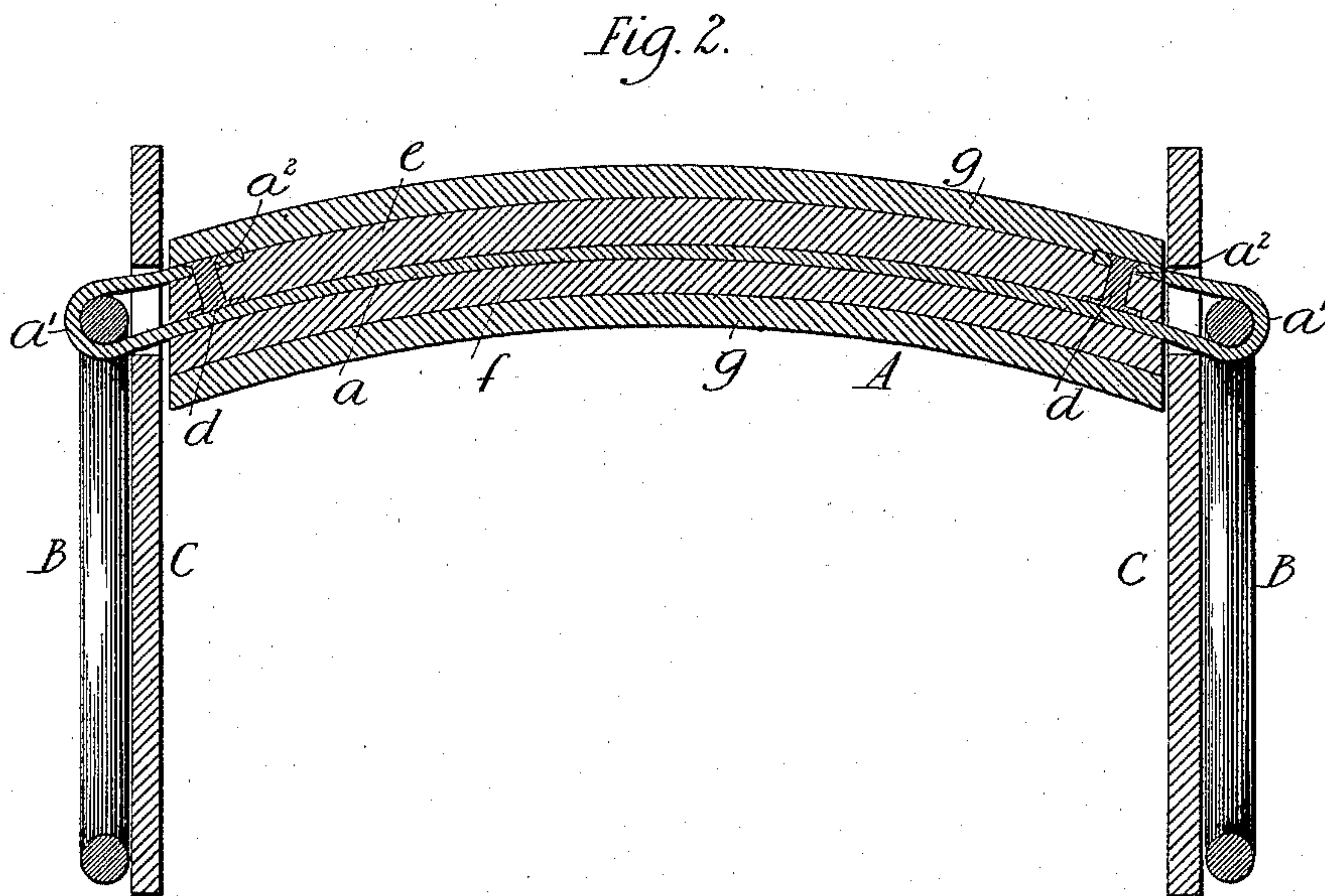
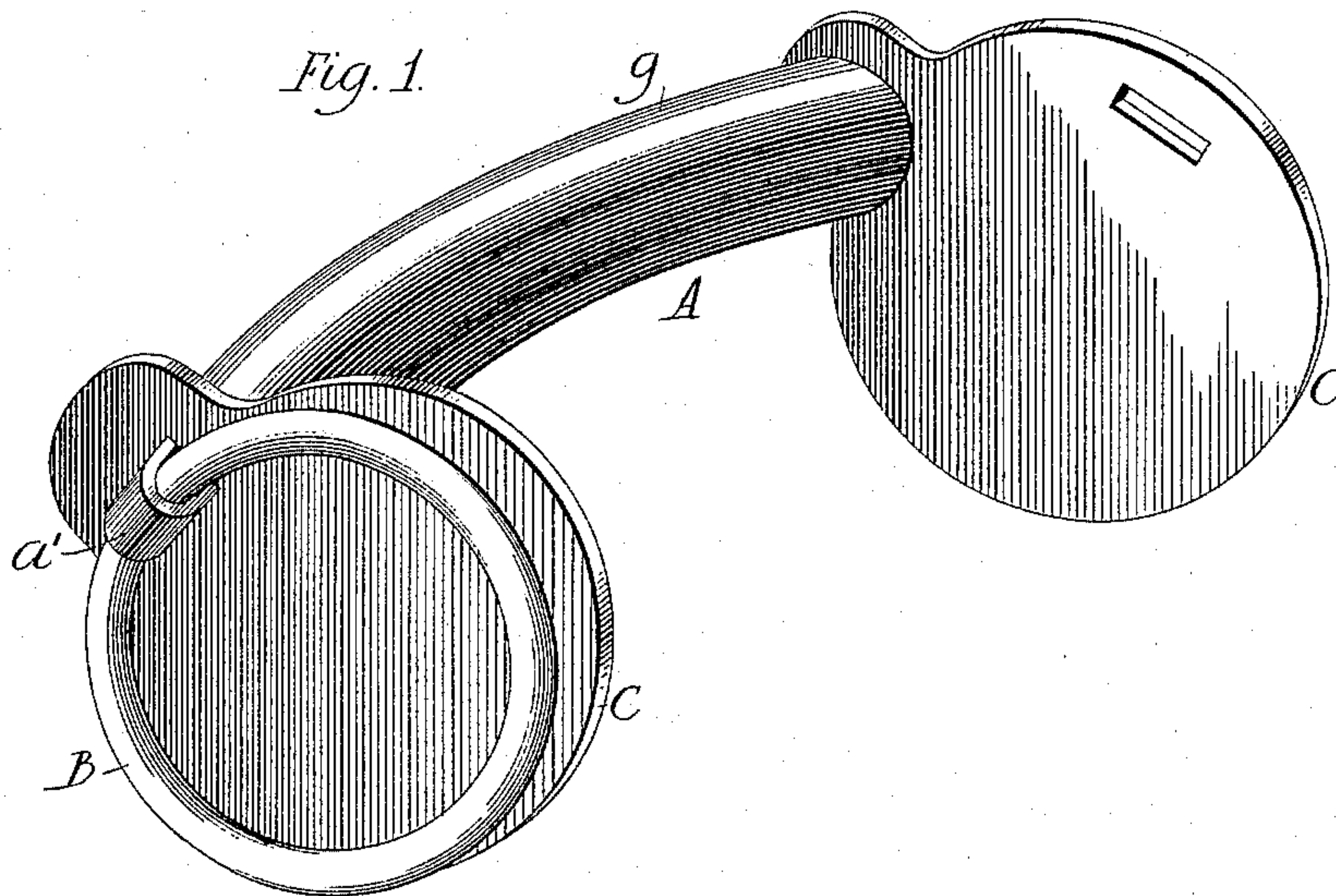


(No Model.)

J. T. FOGG.
BRIDLE BIT.

No. 584,582.

Patented June 15, 1897.



Witnesses
S. E. Zimmerman
W. J. Norton

Inventor
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UNITED STATES PATENT OFFICE.

JASON T. FOGG, OF GARLAND, MAINE, ASSIGNOR TO JOHN M. DOBSON, OF
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BRIDLE-BIT.

SPECIFICATION forming part of Letters Patent No. 584,582, dated June 15, 1897.

Application filed March 4, 1896. Serial No. 581,777. (No model.)

To all whom it may concern:

Be it known that I, JASON T. FOGG, a citizen of the United States, residing at Garland, in the county of Penobscot and State of Maine, have invented certain new and useful Improvements in Bridle-Bits; 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 accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention is directed to improvements in bridle-bits, and has for its object the production of a simply but strongly constructed bit the mouthpiece of which is permanently curved and is, by reason of its construction, flexible, whereby the tongue of the animal is permitted freedom of movement regardless of the formation of the under jaw and the bit is rendered easy and efficient.

The nature of the invention will become apparent from a reading of the following description, when taken in connection with the accompanying drawings, in which—

Figure 1 is a perspective view of the improved bridle-bit, and Fig. 2 is a longitudinal sectional view of the same.

Referring to the said drawings by letter, A denotes the mouthpiece.

B B are the rings, and C C are the cheek-pieces, which latter and the rings may be as ordinarily constructed.

The mouthpiece has a permanent curve imparted by its core *a*, which is in the nature of a flat spring-strip of steel or other suitable material continuously curved and having a resilience sufficient to allow of the desired flexibility, whereby is insured maximum efficiency and ease and comfort to the animal.

The rings B are attached directly to the core, the ends of the latter being bent to form loops *a' a'*, in which the rings are lodged, and at *a²* *a²* are provided perforations by which connection is made through rivets *d d* or otherwise with a strip *e* of leather or other suitable material which is against the core and is consequently curved similarly to the latter.

Against the other side of the core is a second strip *f* of leather or other suitable material, and these strips *e* and *f* by their arrangement in relation to the core practically inclose the

latter and present to the mouth of the animal a comparatively soft and yielding surface, as will be understood. The strips *e* and *f* are preferably formed with their outer sides convex in order that the mouthpiece may be substantially circular in cross-section.

g is a rubber or other covering which incloses the core and strips between the cheek-pieces and further augments the softness of the strips and the consequent comfort to the animal.

My improved bit is at all times curved to a greater or less extent by reason of the peculiar nature of the core, the flexibility of the latter affording ready adjustment of the mouthpiece and the restoration to its normal shape, the resilience of the core being sufficient only to allow of the requisite change of curvature during the strain on the bit. The bit combines with the permanency of the curve of its mouthpiece the flexibility of the latter, thereby insuring easiness and comfort and precluding soreness of the mouth and irritability. The peculiar manner of connecting the rings to the mouthpiece by the formation of integral loops with the core insures maximum strength and durability, as the loops, being a part of the core, cannot work loose and become displaced and thus free the rings.

The bit is very simple in construction, yet effective in operation, is very stout and strong and durable, and is not liable to disorder. The parts are few in number, easily constructed and assembled, and hence the devices may be produced at comparatively low cost.

I claim as my invention—

A bridle-bit comprising a mouthpiece having a resilient metallic continuous strip for its core the ends of which are provided with integral return-bends, a yielding strip at one side thereof having its ends secured between the core and its return-bends whereby are formed closed loops for the rings, a yielding strip at the other side of said core and a yielding covering for the core and strips.

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

JASON T. FOGG.

Witnesses:

BENJAMIN TRUE,
R. C. RICH.