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A. BUERMANN.

CURBER OR CONTROLLER FOR BRIDLE BITS.

APPLICATION FILED NOV. 14, 1905.

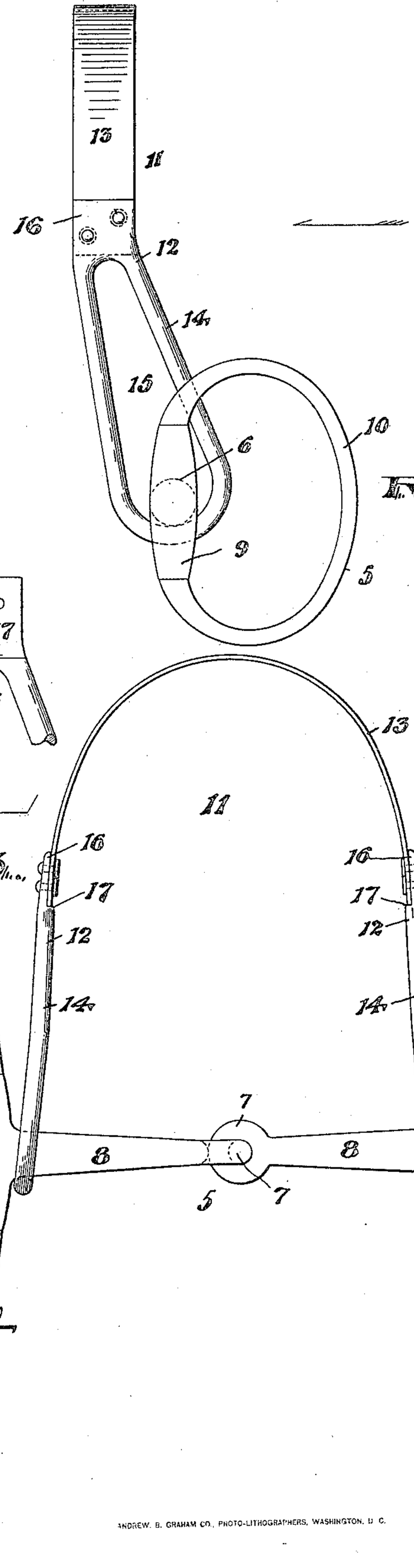

Fig. 2.

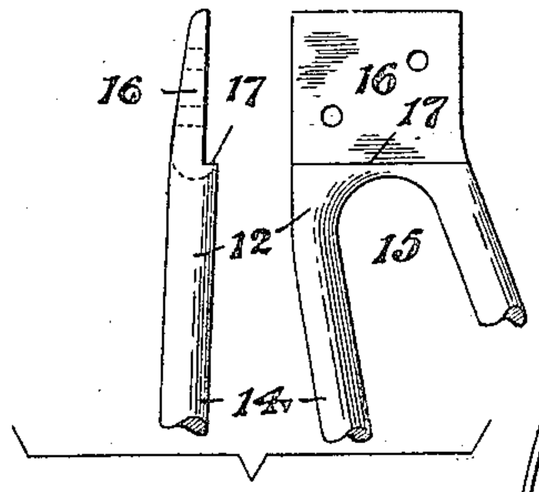

Fig. 3.

Fig. 1.

WITNESSES:

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UNITED STATES PATENT OFFICE.

AUGUST BUERMANN, OF NEWARK, NEW JERSEY.

CURBER OR CONTROLLER FOR BRIDLE-BITS.

No. 822,504. Specification of Letters Patent. Patented June 5, 1906.

Application filed November 14, 1905. Serial No. 287,238.

To all whom it may concern:

Be it known that I, AUGUST BUERMANN, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Curbers or Controllers for Bridle-Bits; and I do hereby 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 numerals of reference marked thereon, which form a part of this specification.

The objects of this invention are to provide a more durable construction and one having less liability to breakage under strain of the reins and to obtain other advantages and results, some of which may be hereinafter referred to in connection with the description of the working parts.

The invention consists in the improved horse curber or controller for bridle-bits and in the arrangements and combinations of parts of the same, all substantially as will be hereinafter set forth and finally embraced in the claim.

Referring to the accompanying drawings, in which like numerals of reference indicate corresponding parts in each of the several figures, Figure 1 is a plan of my improved controller in connection with the mouthpiece of a jointed bridle-bit. Fig. 2 is a side view of the same, and Fig. 3 is a side and edge view of a portion of a side casting involved in the present improvements.

In said drawings, 5 indicates a bridle-bit having a jointed mouthpiece 6, the joint being formed by means of two eyes or links 7, formed integral with the sections 8 8 of the said mouthpiece.

9 9 indicate the cheek entensions of the said sections, which extensions are longitudinally perforated to receive the pivotal parts of the rein-rings 10 in any usual manner. Said rein-rings 10 serve as keepers for holding the curbing device or controller 11 in operative relation to the mouthpiece when the parts are on the horse.

The controller 11 consists of two castings 12 12 of peculiar construction, joined together by a nose-piece comprising a bowed metallic leaf-spring 13. Said castings each consist of a loop 14, having a long tapering slot or eye 15 disposed entirely within the environment of the casting, as shown in Fig. 1, and through which the ring 10 may be inserted or withdrawn, the wider end of said slot permitting a free movement of the mouthpiece in every direction. Under ordinary conditions the mouthpiece lies loosely at the larger ends of the slots or eyes 15 and is free to move therein without at the same time moving the controller.

At the smaller end of each of the castings the same is provided with substantially flat integral extensions or flanges 16 of a width coinciding with the width of the leaf-spring 13, the said extensions or flanges being of less thickness than the body of the castings, so that transverse shoulders 17 are formed back from the extremities of the flanges, which project over the end edges of the spring 13, so as to protect the flesh of the horse from injury.

The springs 13 are rigidly riveted at opposite ends to the castings, as shown, and the device may then be finished for the market by covering with leather, japaning, or electroplating in any suitable manner.

By the construction shown I secure, as I believe, a maximum of simplicity, strength, and durability at a limited cost, and when the metallic parts are exposed to contact with the flesh of the animal there is little opportunity for injury.

Having thus described the invention, what I claim as new is—

An improved curber for bridle-bits comprising two castings, each casting comprising an elongated loop portion integral with a plate arranged at an angle to the axis of the loop, a shoulder on the plate, and a spring secured to the plate, and having its ends abutting on the shoulders of the plate.

In testimony that I claim the foregoing I have hereunto set my hand this 7th day of November, 1905.

AUGUST BUERMANN.

Witnesses:

CHARLES H. PELL,

ETHELWYN A. PELL.