(No Model.)

C. N. HART.

BRIDLE BIT.

No. 544,917. Patented Aug. 20, 1895.

Fig. 1.

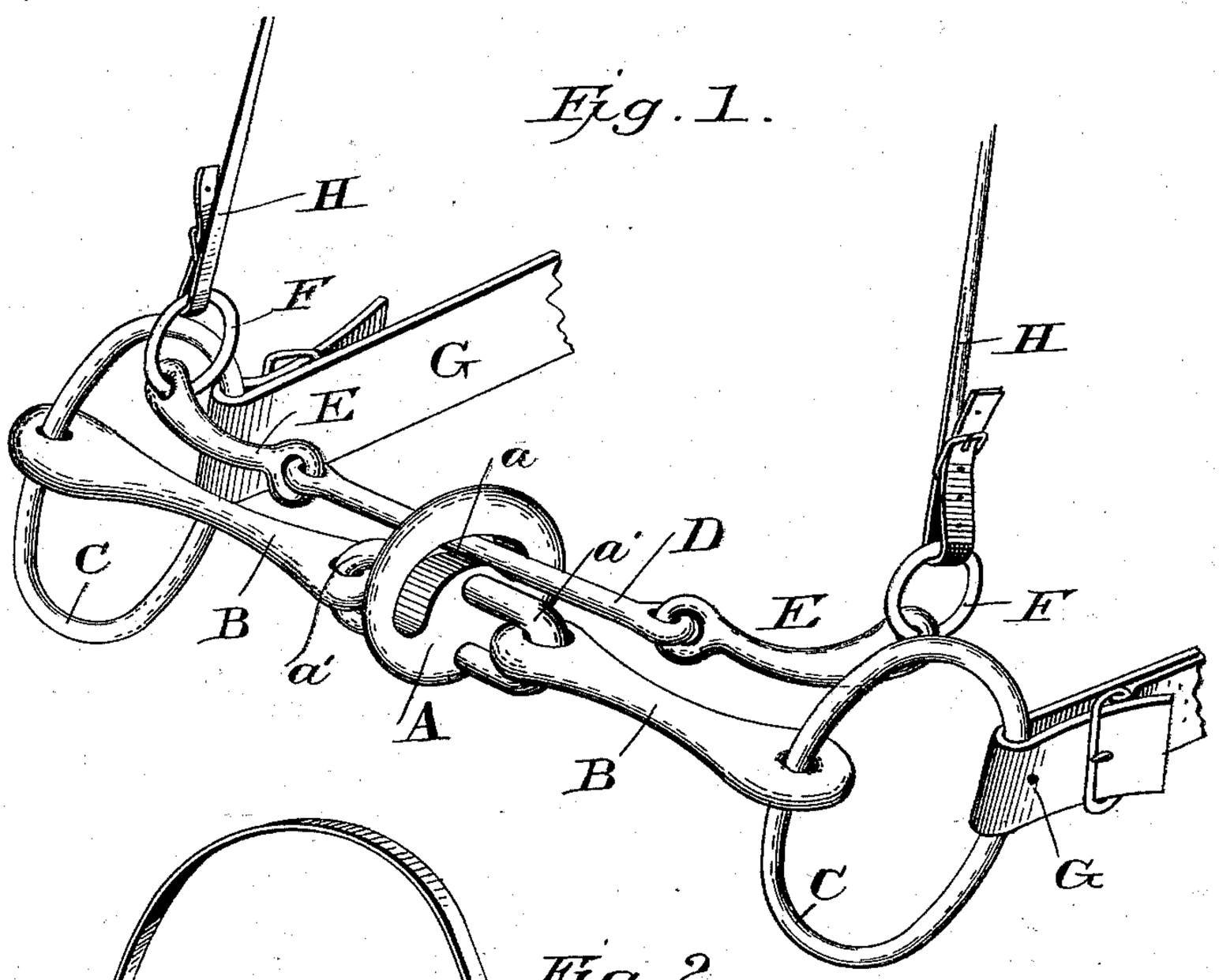


Fig. 2.

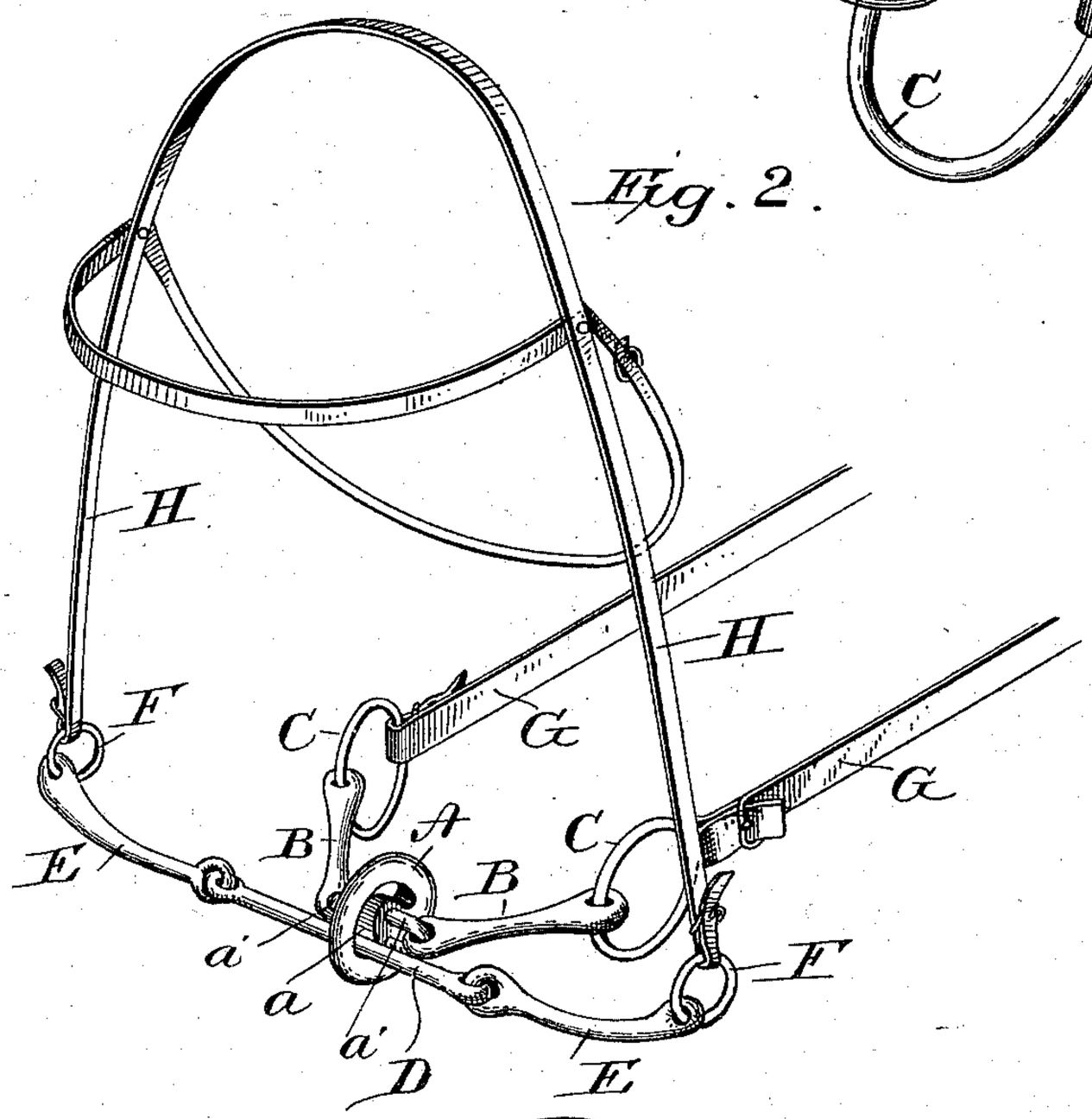
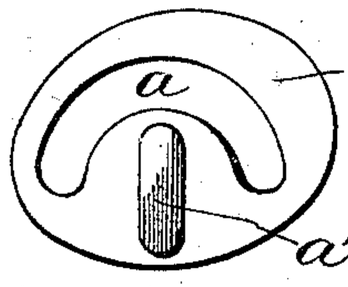


Fig. 3.



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CHARLES N. HART, OF PITTSFORD, VERMONT.

BRIDLE-BIT.

SPECIFICATION forming part of Letters Patent No. 544,917, dated August 20, 1895.

Application filed May 21, 1895. Serial No. 550,106. (No model.)

To all whom it may concern:

Be it known that I, CHARLES N. HART, a citizen of the United States, residing at Pittsford, in the county of Rutland, State of Vermont, have invented certain new and useful Improvements in 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.

My invention relates to an improvement in bridle-bits, and particularly to a bit especially adapted for controlling hard-mouthed, vicious, and fractious horses.

The invention will first be described in connection with the accompanying drawings, and then particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of a device embodying my invention, showing the position of the bit when the reins are loose. Fig. 2 is a view illustrating the position of the bit when the reins are drawn for the purpose of controlling the animal. Fig. 3 is a detail side view of the center piece.

Referring to the drawings, A is the center piece, having a slot *a*, which, as shown, is approximately segmental in shape, the said center piece being longer in one direction than the other, and is provided at each side with an eye *a'*, preferably integral with the center piece, although said eyes may be made separately, if desired, and suitably secured to the center piece. To each eye is attached a bit-bar B, as shown, and to the outer end of the bars are attached rings C, which are capable of movement with relation to the said bars B, the latter being also capable of movement with relation to the center piece A. Transversely through the slot *a* is passed an overcheck bit-bar D, to each end of which is attached loosely a link E, each carrying a ring F at its outer end.

To the rings C are attached the reins G, as usual, while the rings F are supported by an ordinary overcheck H. While the reins G are loose, the center piece A and the bit-bars B are permitted a limited amount of lateral play sufficient to leave the animal's head free from constraint in all directions except, downward. A pull on the reins, however, will cause the center piece to swing on the overcheck bit-bar D and the center piece, which, as shown, is approximately oval or oblong, will swing with its greatest diameter in a vertical plane, thereby pressing against the roof of the animal's mouth, and consequently assisting in controlling him, while at the same time if he has the bit between his teeth the pressure on the roof of the mouth will compel him to release the bit, thus rendering him easily manageable.

The position of the bit when the reins are loose is clear from Fig. 1, while Fig. 2 shows the position when the reins are drawn tight.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a bit for horses, the combination, with a center piece arranged with its greatest length at right angles to the length of the bit and having a slot, of a pair of bit bars attached to said center piece, and an over-check bit bar passing through the slot, substantially as described.

2. In a bit for horses, the combination, with a center piece having an approximately oval shape and arranged with its greatest length at right angles to the length of the bit and provided with an oval slot, of a pair of bit bars attached to the center piece and an over check bit bar passing through said slot, substantially as described.

3. In a bit for horses, the combination, with a center piece having its greatest length at right angles to the length of the bit and having a segmental slot and an eye at each side, of a bit bar loosely attached to each eye, a ring at the outer end of each bit bar and an over check bit bar passing through and loosely within the slot in the center piece, and a ring at each end of the over check bit bar, substantially as described.

4. In a bit for horses, the combination, with a center piece approximately oval on its upper portion and having a segmental slot conforming to the said oval portion, the forward portion of said slot being nearer the periphery of the oval than the rear portion, of a bit bar attached to each eye, each bit bar having a ring at its outer end, and an over check bit bar comprised essentially of a center and two outer bars, passing loosely through the slot, substantially as described.

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

CHAS. N. HART.

Witnesses:
F. C. HART,
FRANK C. DENISON.