

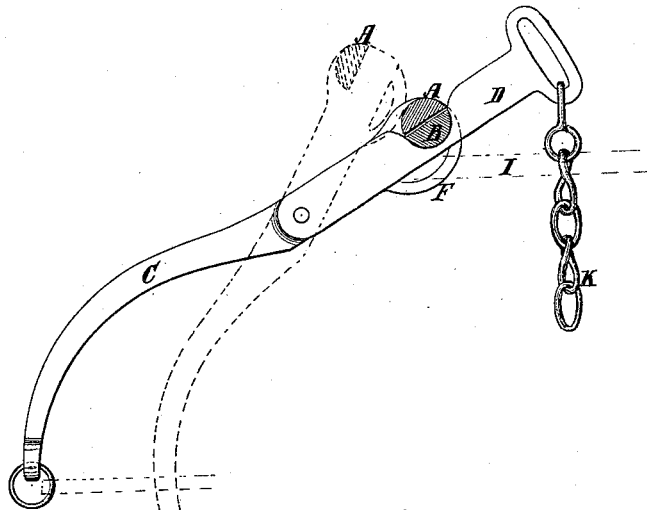
*F. B. Kalkbrenner,*

*Bridle Bit.*

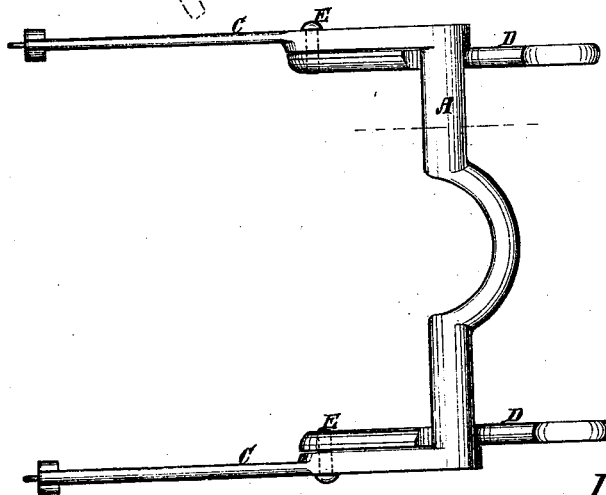
*No. 108795*

*Patented Nov. 1. 1870.*

*Fig. 2.*



*Fig. 1.*



*Witnesses.*

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*per* *mmf*

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# United States Patent Office.

FRIEDERICH B. KALKBRENNER, OF CLINTON, MISSOURI.

Letters Patent No. 108,795, dated November 1, 1870.

## IMPROVEMENT IN BRIDLE-BITS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all whom it may concern:*

Be it known that I, FRIEDERICH B. KALKBRENNER, of Clinton, in the county of Henry and State of Missouri, have invented a new and improved Bridle-Bit; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to improvements in bridle-bits, and consists in making the part which goes through the mouth in two parts, and providing each part with a pair of levers or check-pieces, to one of which it is connected at each end, the said pair of levers being jointed together, and one pair for the check-rein being so arranged that when the said check-reins are pulled, the divided bit will be separated in such a way as to force the animal's mouth open, and prevent him from seizing the bit between the teeth.

Figure 1 is a plan view of my improved bit, and

Figure 2 is a section of the same on the line *z z*.

Similar letters of reference indicate corresponding parts.

A B represent the two parts of the bit, which pass through the mouth.

The part A is connected at the ends to the long

check-rein levers C, and the part B is similarly connected to the short levers D. These levers D are pivoted at their upper ends to the levers C at E, and the opposite ends, which project considerably beyond the part B of the bit, carry the curb-chain R.

The lower ends of the check-pieces or levers C have loops F for the attachment of the driving-reins, the action of which, when pulled by the driver, is to hold the two parts A B of the bit together, making an easy bit for ordinary driving, but when the check-rein is pulled, the levers C, being tilted back on the pivot E, as shown in dotted lines fig. 1, will swing the part A forward and against the upper part of the mouth, and force the animal to open it, while, at the same time, the driving-rein I being kept taut and the curb-chain R acting upon the under side of the chin, keeps the part B from rising with it.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

The half-bit A and check-rein levers C C, combined as described, with the half-bit B, and pivoted levers D D for the purpose set forth.

FRIEDERICH B. KALKBRENNER.

Witnesses:

GEORGE BENZ,  
S. B. HOLCOMB.