

(No Model.)

J. DEAN.
BRIDLE BIT.

No. 483,104.

Patented Sept. 20, 1892.

Fig. 1.

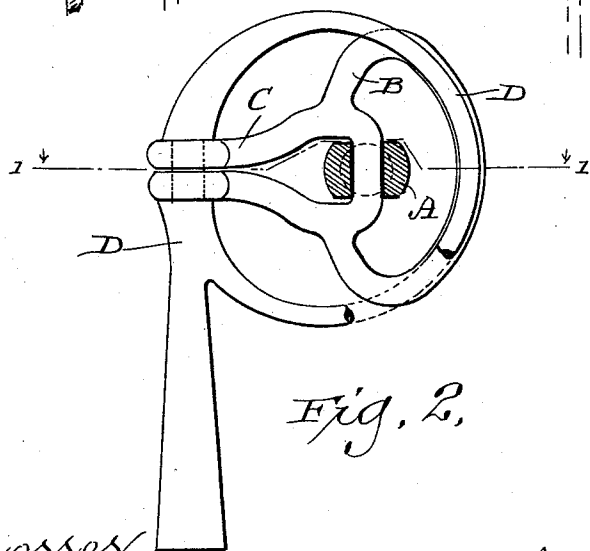
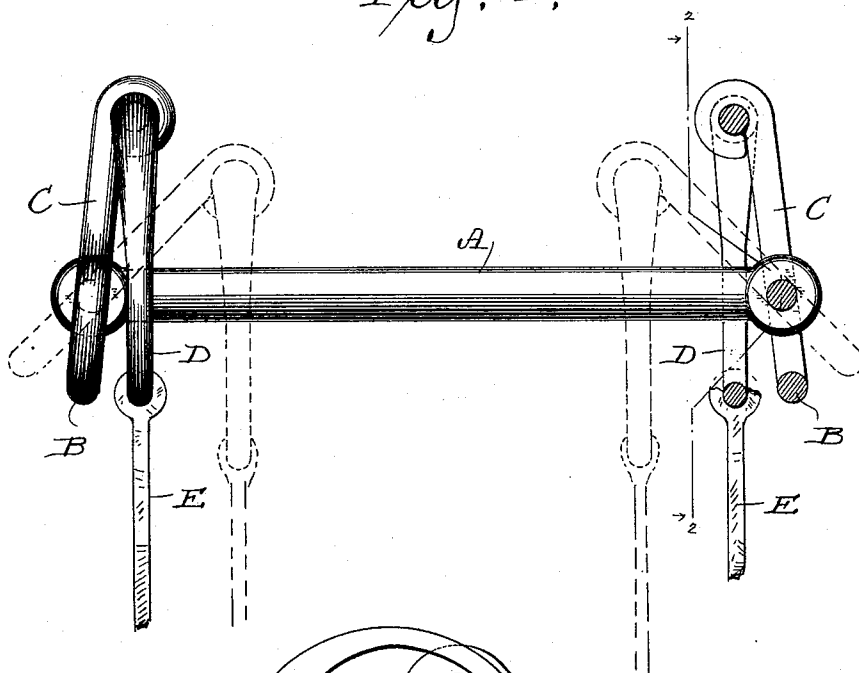


Fig. 2.

Witnesses
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JOHN DEAN, OF RACINE, WISCONSIN, ASSIGNOR TO JOHN P. DAVIES, OF
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BRIDLE-BIT.

SPECIFICATION forming part of Letters Patent No. 483,104, dated September 20, 1892.

Application filed April 21, 1892. Serial No. 430,069. (No model.)

To all whom it may concern:

Be it known that I, JOHN DEAN, a citizen of the United States, and a resident of Racine, in the county of Racine, and in the State of Wisconsin, have invented certain new and useful Improvements in Bridle-Bits; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to provide
10 a bridle-bit convertible from the common straight-bar form to one in which the cheek-pieces may press in toward each other without change of angle to the bar; and to this end said invention consists in certain peculiarities of construction and combination of
15 parts to be hereinafter described with reference to the accompanying drawings, and subsequently claimed.

In the drawings, Figure 1 represents a plan
20 view of my improved bridle-bit, partly in section, on line 1 1 of the succeeding figure; and Fig. 2, an end view of the same, partly in section, on line 2 2 of the preceding figure.

Referring by letter to the drawings, A represents a mouth-bar of ordinary construction.
25 Pivottally connected to each end of the mouth-bar is a malleable casting that has its rear end in the form of a rein-loop B and its forward end in the form of a lever C, the latter being pivottally connected to a cheek-piece D, that is of ordinary construction, and has the rein-loop thereof encircling said mouth-bar.

In practice if driving-reins E be connected
30 to the loops B of the pivotal castings the bit will have the same action as an ordinary straight-bar bit; but if the reins be connected to the loops of the cheek-pieces D, as shown in the drawings, a pull on said reins will cause said cheek-pieces to press in toward each other

without change of their parallel relation, as
40 shown by dotted lines in Fig. 1, this result being due to the pivotal castings connecting the aforesaid bar and cheek-pieces.

I am aware that it is not broadly new to
provide a bridle-bit in which the cheek-pieces
45 may be caused to press in toward each other without change of their parallel relation, and hence I do not wish to be understood as claiming anything more than my peculiar means
for producing the desired result.

Having now fully described my invention,
50 what I claim, and desire to secure by Letters Patent, is—

1. A bridle-bit comprising a mouth-bar, levers
pivottally disposed thereon to have their
55 forward ends swing toward the same, and rein-attaching cheek-pieces that encircle the mouth-bar independent thereof and are pivoted to said forward ends of the levers, substantially as set forth.

2. A bridle-bit comprising a mouth-bar, castings pivoted to the ends of the mouth-bar
and comprising rein-loops B, integral with levers C, disposed to swing toward said mouth-bar from in front of the same, and parallel
65 cheek-pieces D, that encircle the aforesaid mouth-bar free of the same and are pivoted to the lever portions of the castings, substantially as set forth.

In testimony that I claim the foregoing I
70 have hereunto set my hand, at Racine, in the county of Racine and State of Wisconsin, in the presence of two witnesses.

JOHN DEAN.

Witnesses:

J. B. HANSON,
D. J. MOREY.