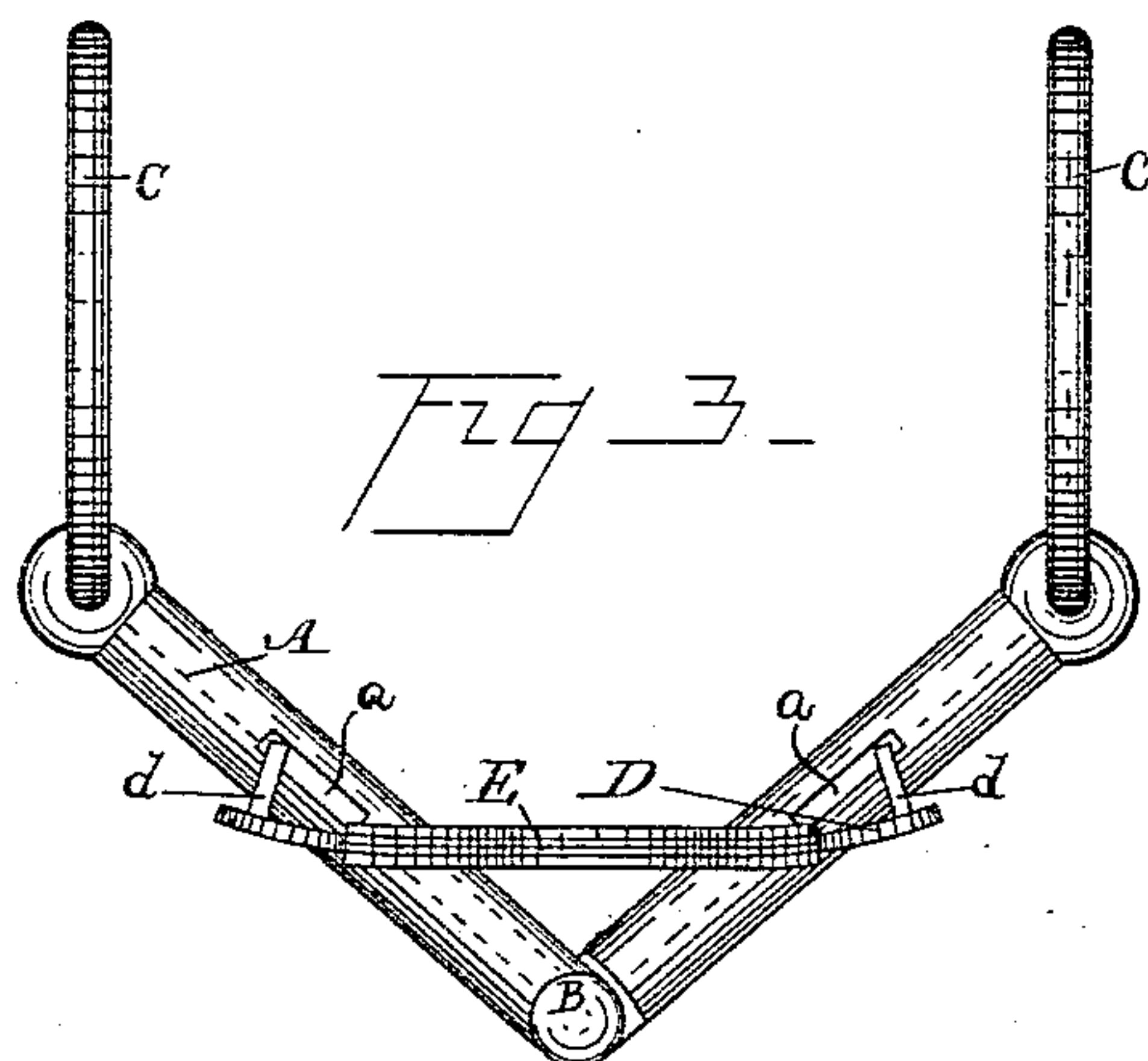
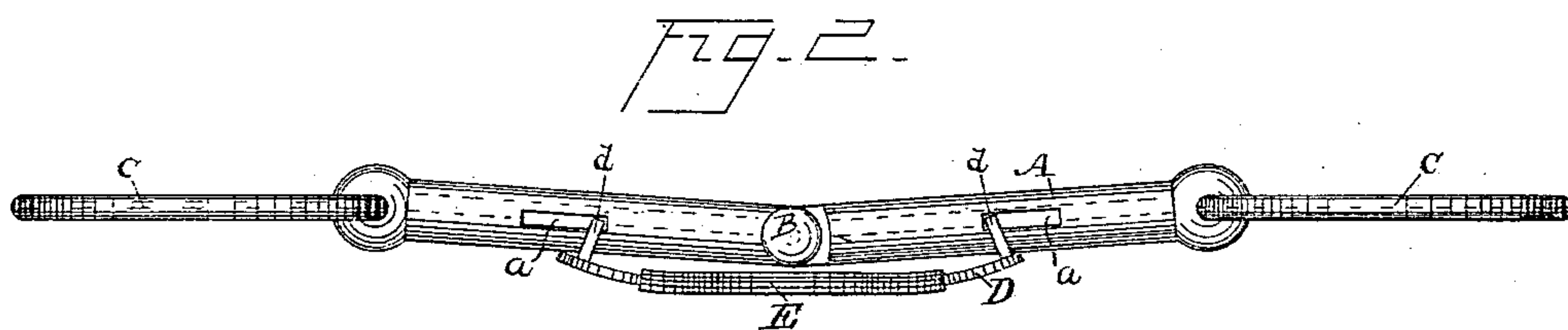
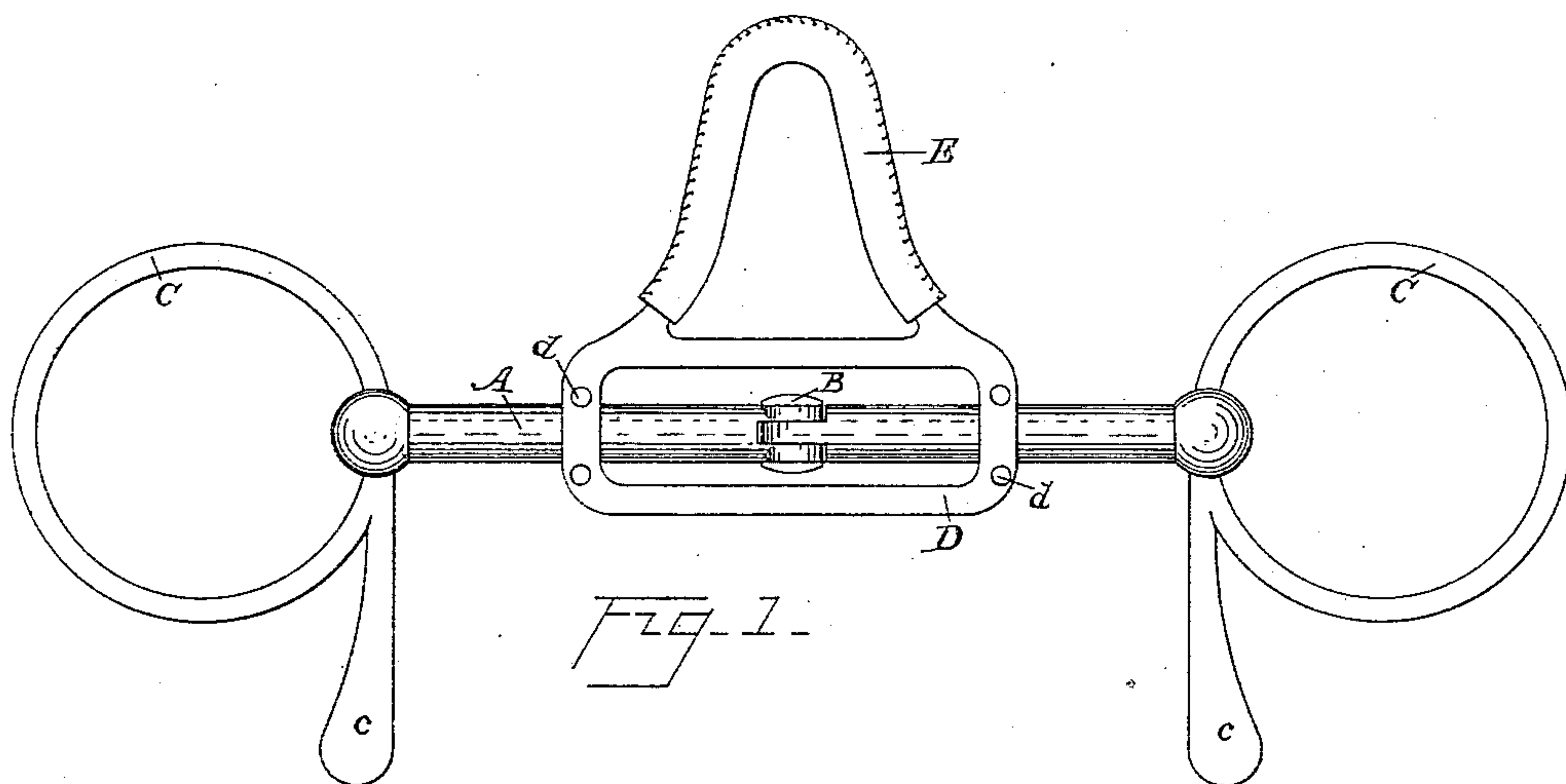


(No Model.)

E. M. McCULLOCH & C. BUCKLEY.
BRIDLE BIT.

No. 557,862.

Patented Apr. 7, 1896.



Witnesses
Amelia J. Williams.
Henry K. Lothrop

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UNITED STATES PATENT OFFICE.

EDWARD M. McCULLOCH, OF ANN ARBOR, MICHIGAN, AND CHARLES
BUCKLEY, OF NEW ALBANY, INDIANA.

BRIDLE-BIT.

SPECIFICATION forming part of Letters Patent No. 557,862, dated April 7, 1896.

Application filed April 14, 1894. Serial No. 507,610. (No model.)

To all whom it may concern:

Be it known that we, EDWARD M. McCULLOCH, of Ann Arbor, in the county of Washtenaw and State of Michigan, and CHARLES BUCKLEY, of New Albany, in the county of Floyd and State of Indiana, have invented a new and useful Improvement in Bridle-Bits, of which the following is a specification.

Our invention consists in an improvement in bridle-bits hereinafter fully described and claimed.

Figure 1 is a front elevation. Fig. 2 is a top plan view, and Fig. 3 is a top plan view with the mouthpieces inclined.

A A represent two mouthpieces of an ordinary snaffle-bit, joined at the center by a pin B and provided with the ordinary rein-rings C, having cheek-pieces c.

D represents a tongue-piece, approximately rectangular in its lower portion and V-shaped in its upper portion, though the shape may be varied without departing from our invention, which is movably secured to the two mouthpieces A in such manner as not to interfere with the flexure of the mouthpieces at the joint B. This may be done in various ways, the one we have illustrated, and which is a good way, being to form a slot *a* through each of the mouthpieces A to pass yokes *d* through said slots *a* and to secure the ends of the yokes *d* to the tongue-piece D, as clearly shown in the drawings, as by this means the yokes *d* will slide in the slots *a* when the

mouthpieces A are flexed, as shown in Fig. 3, retaining the position of tongue-piece D without interfering with the ordinary action of the bit. The whole of said tongue-piece D, or the upper part thereof, may be covered with leather, as indicated by E.

The operation of our invention is as follows: When the bit is placed in a horse's mouth, the tongue-piece D lies over the tongue and prevents the horse from putting his tongue over the bit. The tongue-piece D does not interfere with the ordinary operation of the mouthpieces A A; but it makes the ordinary snaffle-bit a little more severe when in the position shown in Fig. 3, as the tongue-piece D serves as a fulcrum to throw joint B forward instead of permitting said joint to lie closely down on the horse's tongue.

What we claim as our invention, and desire to secure by Letters Patent, is—

In combination with the mouthpieces A A pivoted together at B, and having therein slots *a*, a tongue-piece D, secured thereto by yokes *d*, substantially as shown and described.

EDWARD M. McCULLOCH.
CHARLES BUCKLEY.

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