

(No Model.)

T. J. VINTON.

BOLT CUTTER.

No. 318,525.

Patented May 26, 1885.

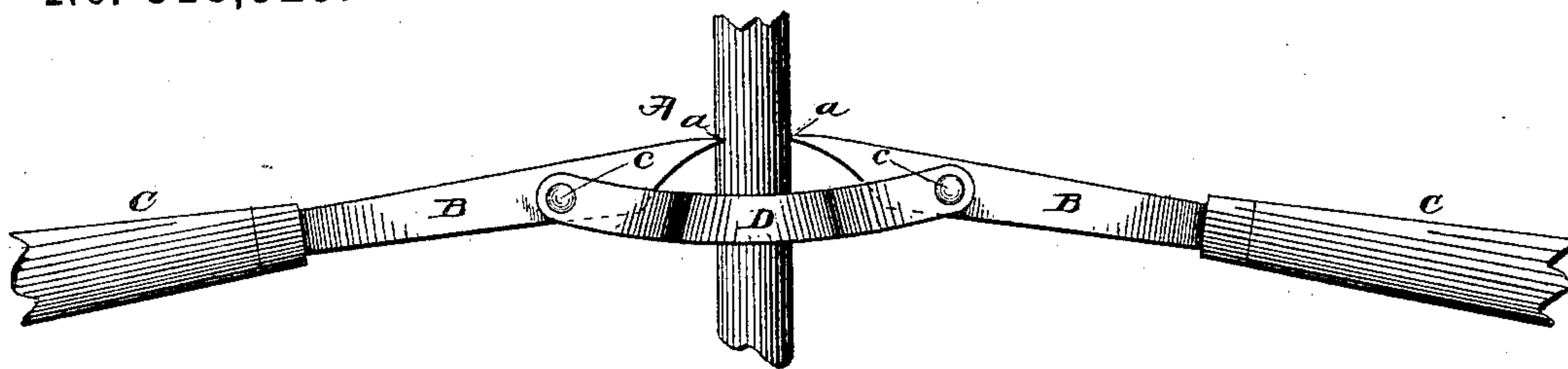


Fig. 1.

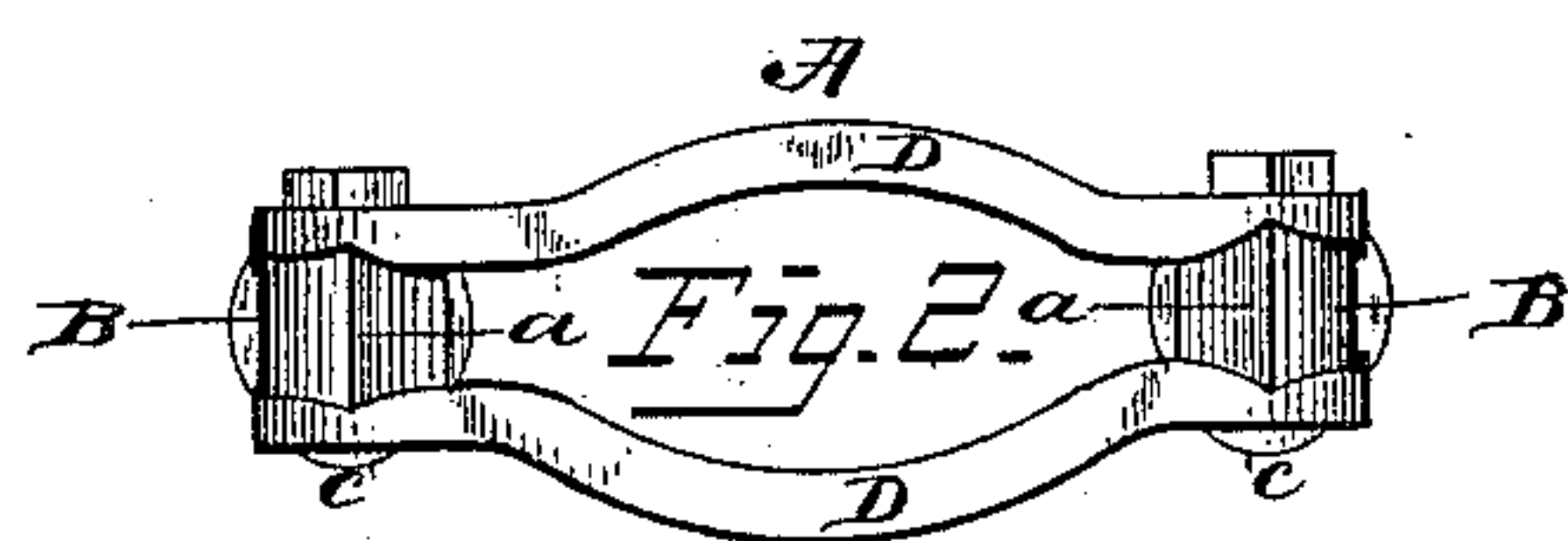
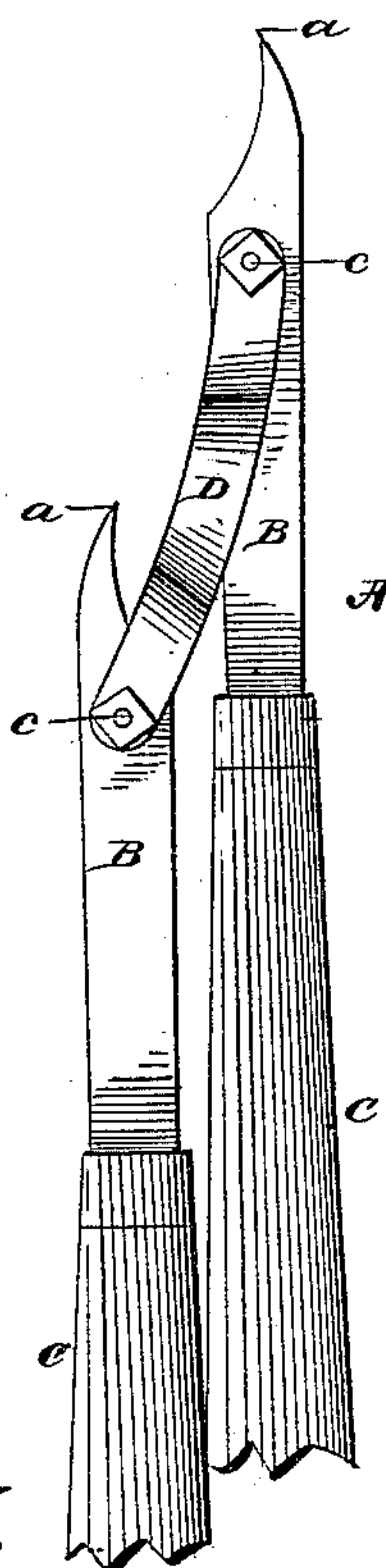


Fig. 3.



WITNESSES

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THOMAS JEFFERSON VINTON, OF HOLLY, MICHIGAN.

BOLT-CUTTER.

SPECIFICATION forming part of Letters Patent No. 318,525, dated May 26, 1885.

Application filed January 6, 1885. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. VINTON, a citizen of the United States, residing at Holly, in the county of Oakland and State of Michigan, have invented a new and useful Bolt-Cutter, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to bolt-cutters, and it has for its object to provide a device of this character of extremely simple construction, which shall be thoroughly effective in its operation and durable in its use.

With these ends in view my invention consists in the combination of two cutting-jaws connected near their forward ends by rods, forming a yoke to support and hold in position the bolt.

My invention further consists in the improved construction and combinations of parts hereinafter fully described, and pointed out in the claims.

In the drawings, Figure 1 is a side elevation of my improved bolt-cutter, showing the bolt in position to be cut and held in place by the yoke or guide. Fig. 2 is a plan view showing the bolt-cutter opened to its fullest extent. Fig. 3 is a view showing the cutter folded.

In the accompanying drawings, in which like letters of reference indicate corresponding parts in all the figures, A represents my improved bolt-cutter, which consists of two sections or cutters, B, each of which is preferably provided with a long handle, C, in order that a greater amount of leverage may be had. These cutters B, which are constructed of hard metal, are widest at their forward ends, and their extreme ends or points are cut to form sharp edges *a*, from which point the cutters are recessed or cut away to form a seat for the bolt when the cutters are closed to operate upon the same. The cutters B are pivotally connected near their forward ends by means of rods or arms D, provided with openings at their ends for the passage of securing-bolts *e*. These rods or arms are bent outwardly near their center, thus forming an enlarged seat for the bolt, as seen in Fig. 2.

In operation the bolt to be cut is inserted between the two pivoted connecting-arms, and rests in the seat formed by the outward bending of the same. The handles of the cutters are then opened and pulled outwardly, which

draws the forward ends of the cutters together, and upon power being exerted the bolt is cut. When the bolt is being cut, the position of the cutters is that shown in Fig. 2—*i. e.*, having their cutting edges or points nearly meeting.

The handles may be as long as desired, and the greater their length the more easily can the cutters be operated and the quicker results obtained, as a powerful leverage is afforded.

It will be seen from the above description, taken in connection with the annexed drawings, that my improved bolt-cutter is extremely simple both in construction and operation, and that it may be manufactured and supplied at a slight cost. It will also be seen that by bending the connecting-rods outwardly a guide and support for the bolt to be cut is afforded, which will hold the same against movement.

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

1. The combination of the connecting-arms D, adapted to receive the bolt or rod to be cut, and the cutters pivoted to the outer ends of the arms, said cutters being adapted to impinge upon the bolt or rod at their inner ends when the outer ends of the cutters are pulled outwardly, substantially as described.

2. The combination of the connecting-arms, the cutters pivoted to the outer ends of the arms and provided with suitable handles at their outer ends, the inner cutting-edges of the cutters being arranged transversely to the bodies thereof, and adapted to impinge upon the bolt or rod when the handles are pulled outwardly, substantially as described.

3. The combination of the connecting-arms D, having their centers curved outwardly, and the cutters pivoted to the outer ends of the arms, said cutters being adapted to impinge upon the bolt or rod to be cut when their outer ends are pulled outwardly, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

THOMAS JEFFERSON VINTON.

Witnesses:

WILLIAM CHESTER MCLEAN,
HERBERT NORTON.