

No. 637,517.

Patented Nov. 21, 1899.

J. M. MARTY, JR.
VEHICLE HANDLE BAR.

(Application filed June 12, 1899.)

(No Model.)

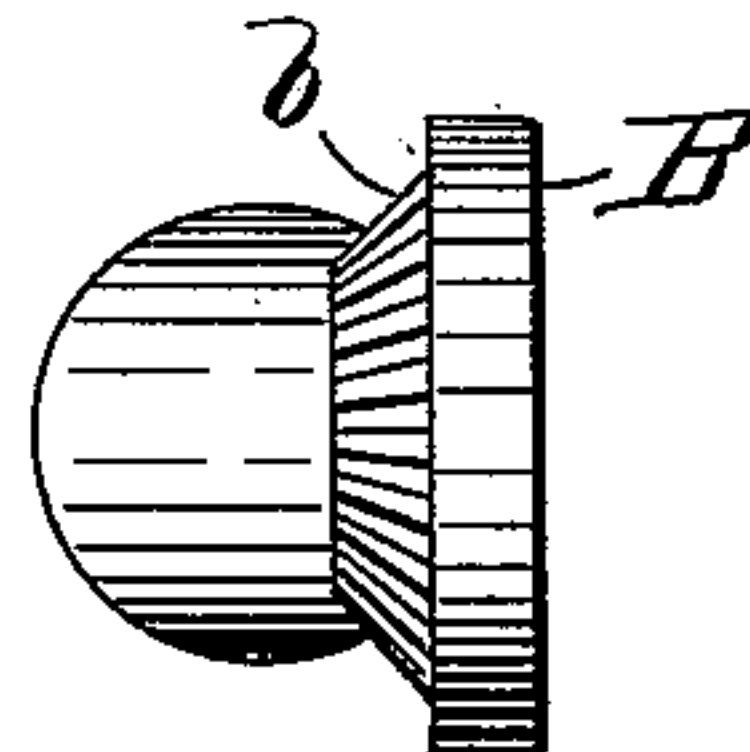
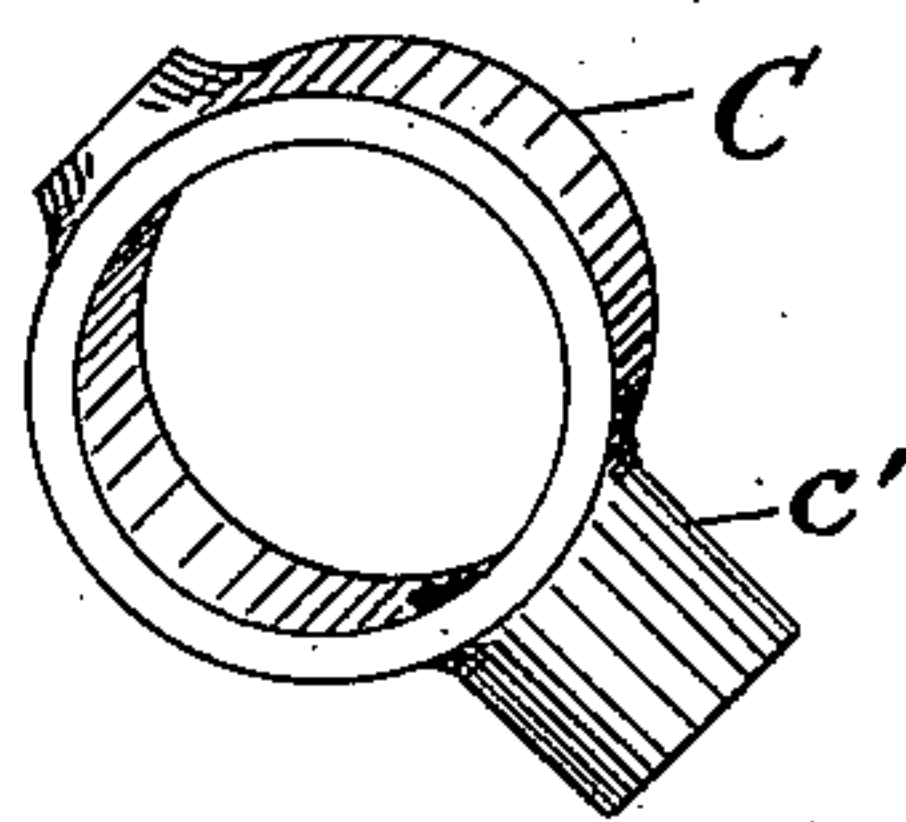
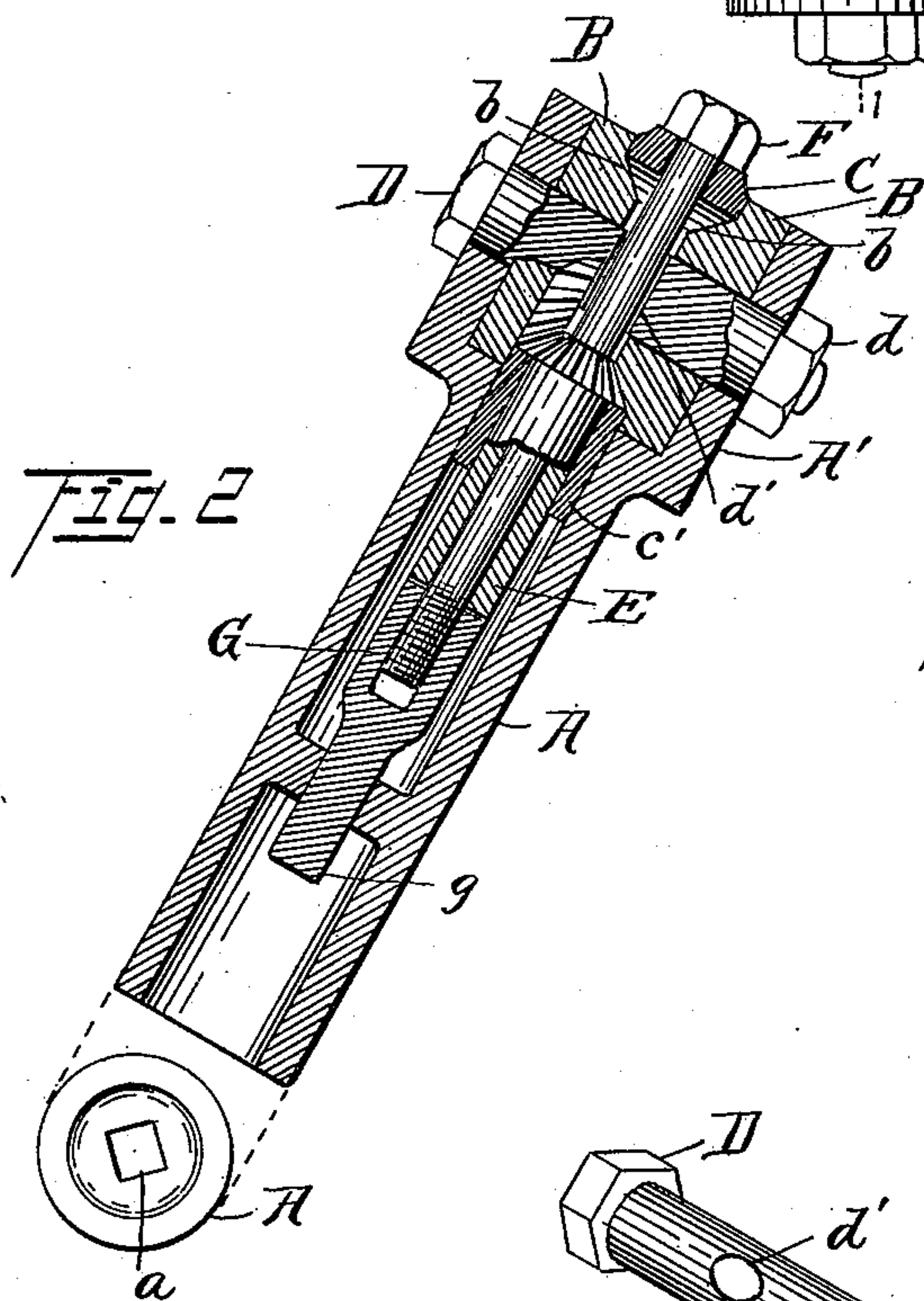
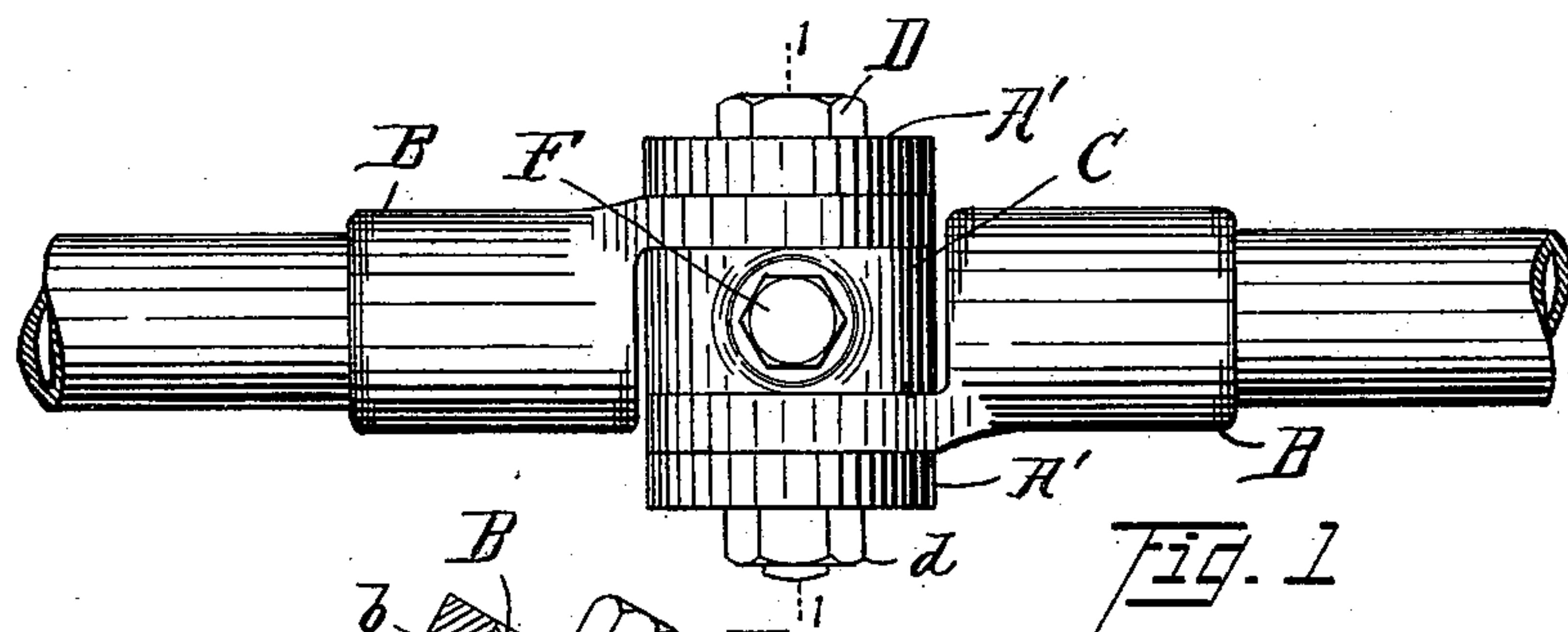


Fig. 4

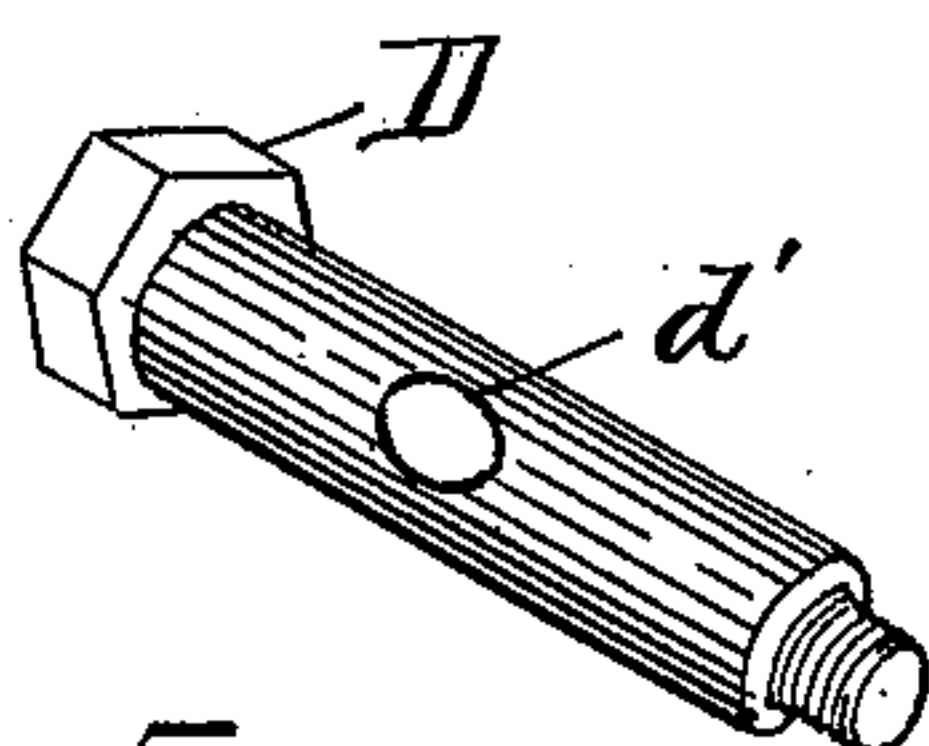


Fig. 5

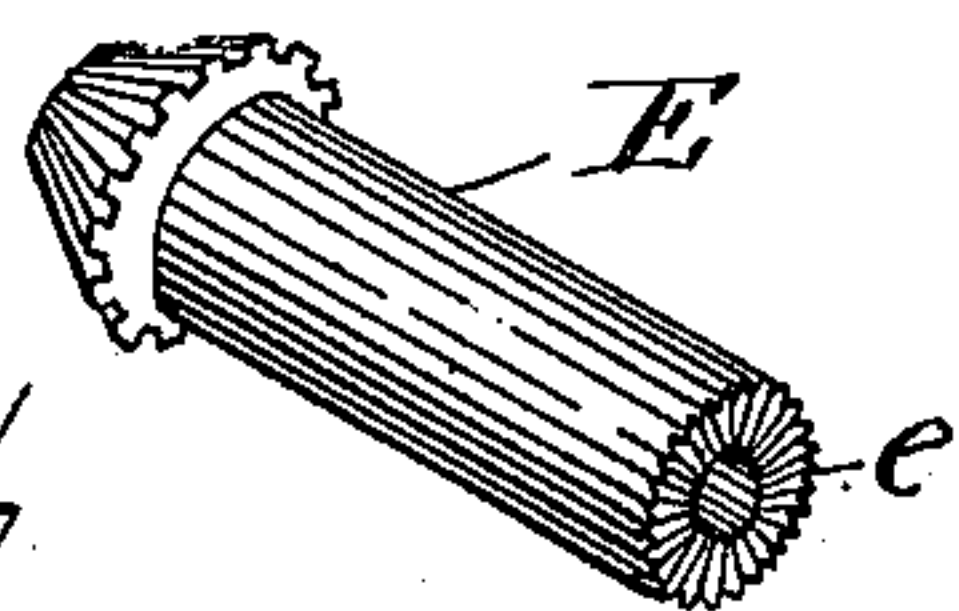


Fig. 6

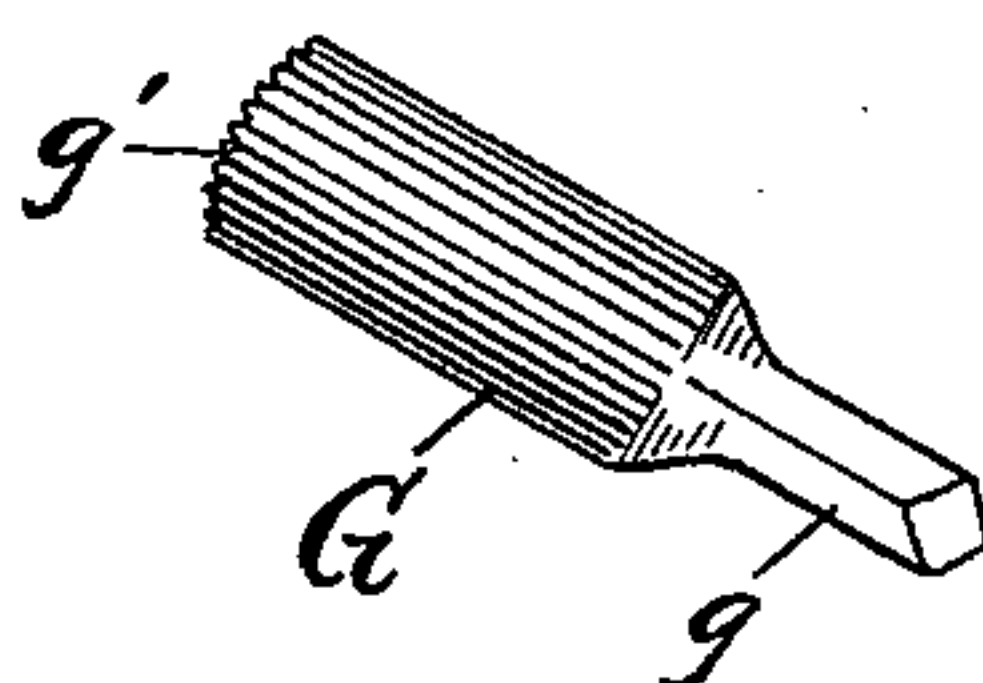


Fig. 7

Witnesses:

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UNITED STATES PATENT OFFICE.

JOHN M. MARTY, JR., OF CLEVELAND, OHIO, ASSIGNOR OF ONE-HALF TO
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VEHICLE HANDLE-BAR.

SPECIFICATION forming part of Letters Patent No. 637,517, dated November 21, 1899.

Application filed June 12, 1899. Serial No. 720,263. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. MARTY, Jr., a citizen of the United States, residing at Cleveland, county of Cuyahoga, and State of Ohio, have invented certain new and useful Improvements in Vehicle Handle-Bars; and I hereby declare the following to be a full, clear, and exact description of the invention, such as will enable those skilled in the art to which it appertains to make and use the same.

My invention relates to vehicle handle-bars; and its object is to provide mechanism for adjusting the side arms to any desired position and for rigidly securing them when adjusted.

The mechanism consists of the usual handle-bar stem supporting a pivot-pin, on which the side arms are mounted in the usual manner, the inner or mounted ends of said arms being disk-shaped and provided with teeth meshing with a gear mounted in the upper end of the stem for imparting motion from either of the arms to the other and the mechanism for securing the arms in any desired position.

The accompanying drawings illustrate what I regard as the most desirable method of reducing my invention to practice.

Similar letters of reference refer to like parts.

Figure 1 is a plan view of my improved handle-bar. Fig. 2 is a sectional elevation on line 1 1 of Fig. 1. Fig. 3 is a perspective view of the ring or collar C with its tailpiece *c'*. Fig. 4 is an end view of the inner disk-shaped end of one of the arms B B. Figs. 5, 6, and 7 represent a number of parts detached in perspective.

A is the stem, the upper ends or heads A' A' of which are in the form of flanges of the same diameter as the disk-shaped end of the arms.

B B are the arms, having disk-shaped inner ends which are pivoted on the bolt D, passing through the flanges A' A' of the stem A.

b shows the bevel-toothed portion of the disk-shaped end of the arms.

C is a ring or collar placed between the opposed surfaces of the disk-shaped ends of the arms B B, with its tailpiece *c'* extending downward into the stem.

E is a bevel-gear provided at its lower end with serrations and meshing at its upper end with the teeth *b* on the opposed surfaces of the disk-shaped ends of the arm B B.

F is a bolt or cap-screw passing through the collar C, the slot *d'* in the bolt D, and through gear E into the nut G. The nut G is provided at its upper end with serrations *g'*, while its lower end *g* is square in form and fits into the opening *a* to prevent turning.

To adjust the bars, loosen the nut *d* and the bolt F and raise or lower either of the bars B B to any desired position. By raising or lowering either of the bars the other will be simultaneously adjusted to the same position by the motion imparted from one to the other through the gear E. By tightening the bolt F the serrated surfaces *e* on the gear E and *g'* on the nut G are brought into contact and movement of the gear and arms is prevented. By fastening the nut *d* the contact between the surfaces of the flanges A' A', the disk-shaped ends of the bars B B, and the collar C affords additional security against movement of the arms.

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

1. In a vehicle handle-bar, the combination with the stem A of the arms B, B, having their inner end disk-shaped and toothed and mounted on the pin D, the gear E for conveying motion from either of the arms to the other and having serrations at its lower end for locking the gear and the arms, the nut G engaging the serrations on the gear, the collar C mounted between the opposed surfaces of the arms and the bolt F and nut *d* for clamping the parts together substantially as described.

2. In a vehicle handle-bar, the combination with the stem A, of the arms B, B, having their inner end disk-shaped and toothed and mounted on the pin D, the gear E meshing with the teeth of the arms, the collar C, the nut G, and the bolt F for rigidly securing said gear, substantially as set forth.

In testimony whereof I have hereunto affixed my signature in the presence of two witnesses.

JOHN M. MARTY, JR.

Witnesses:

ARTHUR M. WILLIAMS,
EDMUND G. MAPES.