

No. 817,468.

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H. M. CLARK.

WRENCH.

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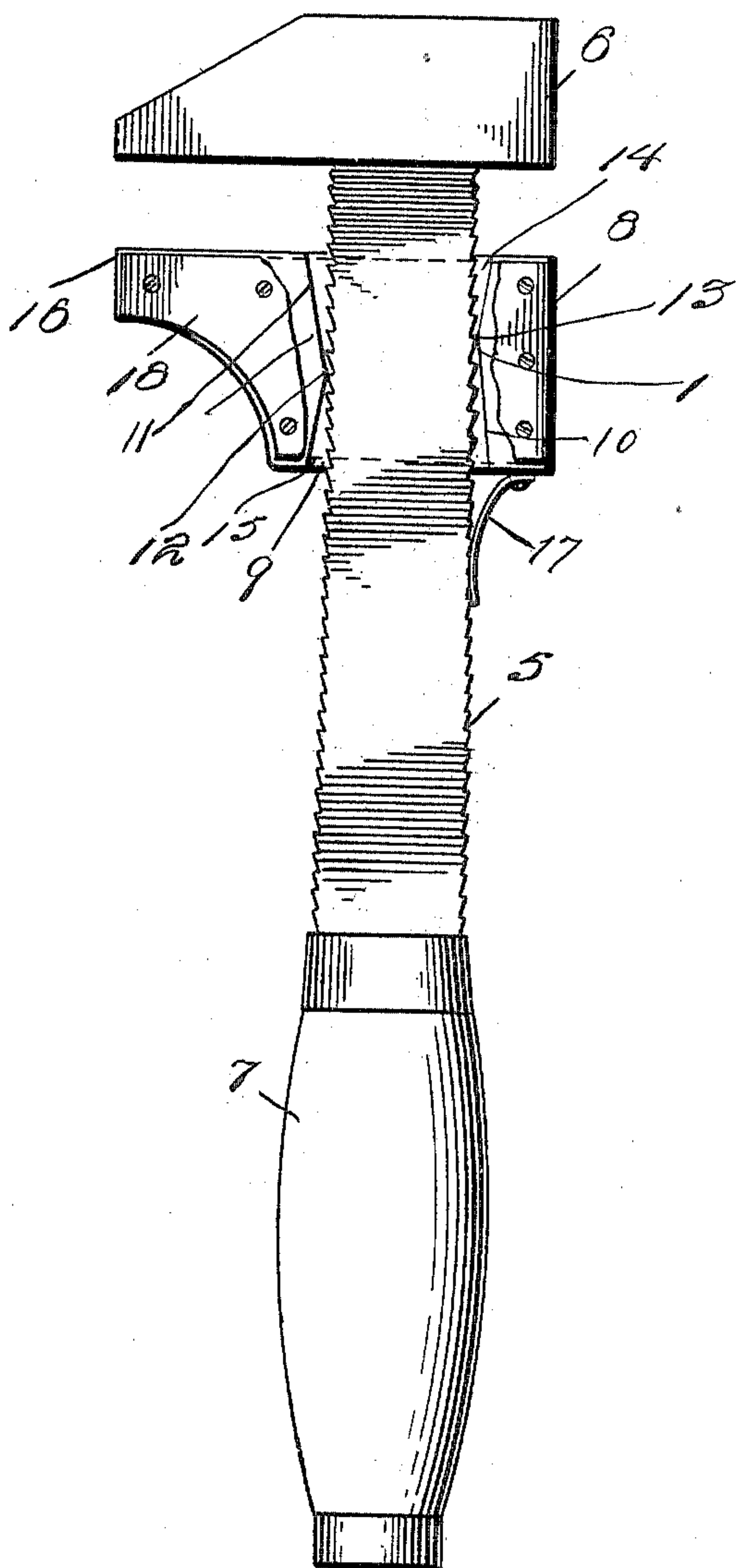


Fig. 1.

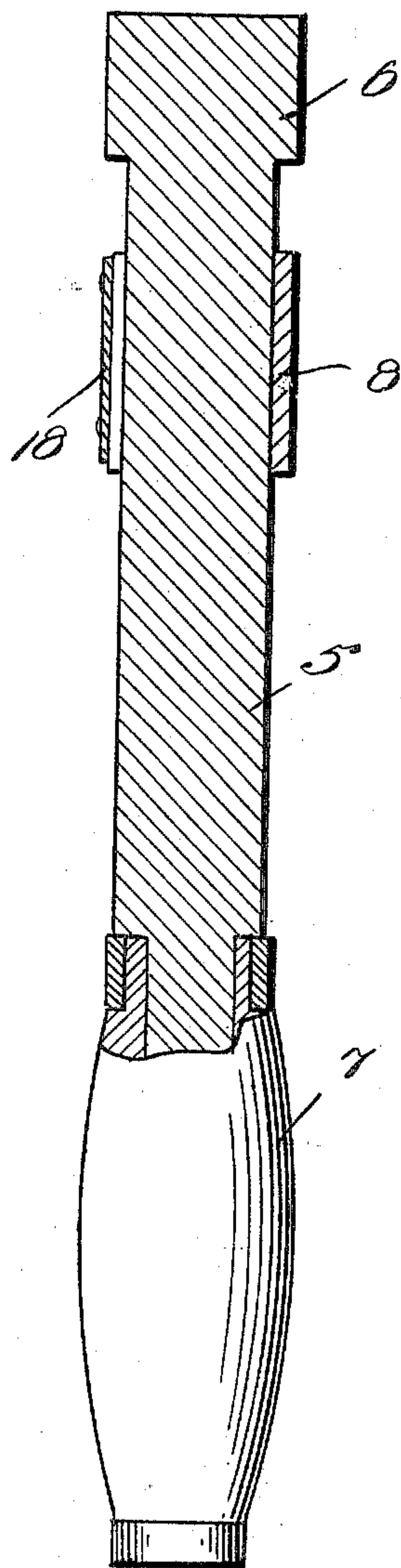


Fig. 2.

Witnesses
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UNITED STATES PATENT OFFICE.

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WRENCH.

No. 817,468.

Specification of Letters Patent.

Patented April 10, 1906.

Application filed March 12, 1904. Serial No. 197,817.

To all whom it may concern:

Be it known that I, HOWARD M. CLARK, a citizen of the United States, residing at New Paynesville, in the county of Stearns, State of Minnesota, have invented certain new and useful Improvements in Wrenches; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to wrenches, and more particularly to the class known as "monkey-wrenches," and has for its object to provide an implement of this nature which will be simple and cheap of construction and in which the movable jaw may be quickly and simply adjusted.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in both the views, Figure 1 is a side elevation of the complete wrench, showing the movable jaw broken away. Fig. 2 is a longitudinal section of Fig. 1.

Referring now to the drawings, the present invention comprises a stock 5, having a transverse jaw 6 at one of its ends and which is reduced at its opposite end to receive a handle 7. In connection with the stock there is employed a sliding jaw 8, having a groove 9, forming a channel or passage in one of its sides for the reception of the stock. The sides 10 and 11 of this slot slant inwardly, so that there are formed two points 12 and 13, which are disposed at opposite sides of the longitudinal axis of the sliding jaw and spaced slightly therefrom. As shown, the point 13 lies above the axis and the point 12 below. The above-described arrangement of the slot results in a widening of the ends thereof, as shown at 14 and 15, so that the ends of the slot are somewhat wider than the stock, thus permitting of a rocking movement of the jaw on the points 12 and 13.

It will be apparent that upward movement of the forward end 16 of the jaw 8 will bring the lower portion of the wall 11 and the upper portion of wall 10 of the slot against the stock, which will move the points 12 and 13 out of engagement therewith and permit

of movement of the jaw upon the stock. On the other hand, downward movement of the end 16 of the jaw will cause the points 12 and 13 to bite into the front and rear faces of the stock and prevent movement of the jaw. It will be understood that in use the strain incident to tightening or loosening the nut with the present wrench is disposed to bring downward pressure upon the end 16 of the jaw, thus preventing movement thereof, as described above.

To hold the jaw normally against movement on the stock, a spring 17 is secured to the under face of the rearward portion of the jaw 8 and bears against the stock at its free end to hold the points 12 and 13 yieldably in engagement with the stock.

A plate 18 is provided and is screwed or otherwise secured to the jaw 8 to cover the slot 9 and prevent disengagement of the jaw from the slot.

It will be noted that the stock 5 is corrugated to insure further against slipping of the movable jaw; but it will of course be understood that these corrugations may be omitted, if desired.

What is claimed is—

A wrench comprising a stock having a transverse jaw at one end and having rack-teeth formed on its front and rear sides, a second jaw having a passage formed there-through for the passage of said stock, the front and rear walls of the passage being inclined inwardly from the ends thereof to form long and short parallel wall portions diagonally in opposition to each other, the meeting-point of the inclined portions of the rear wall lying above the longitudinal axis of the said last-named jaw, and the meeting-point of the inclined portion of the front wall lying below the said longitudinal axis, and a spring carried by said jaw and engaging the said stock.

In testimony whereof I affix my signature in presence of two witnesses.

HOWARD M. CLARK.

Witnesses:

LINWOOD FOSTER,
H. H. HOLIFER.