

No. 785,953.

PATENTED MAR. 28, 1905.

J. JARNBERG.
MONKEY WRENCH.
APPLICATION FILED JAN. 3, 1905.

Fig. 1.

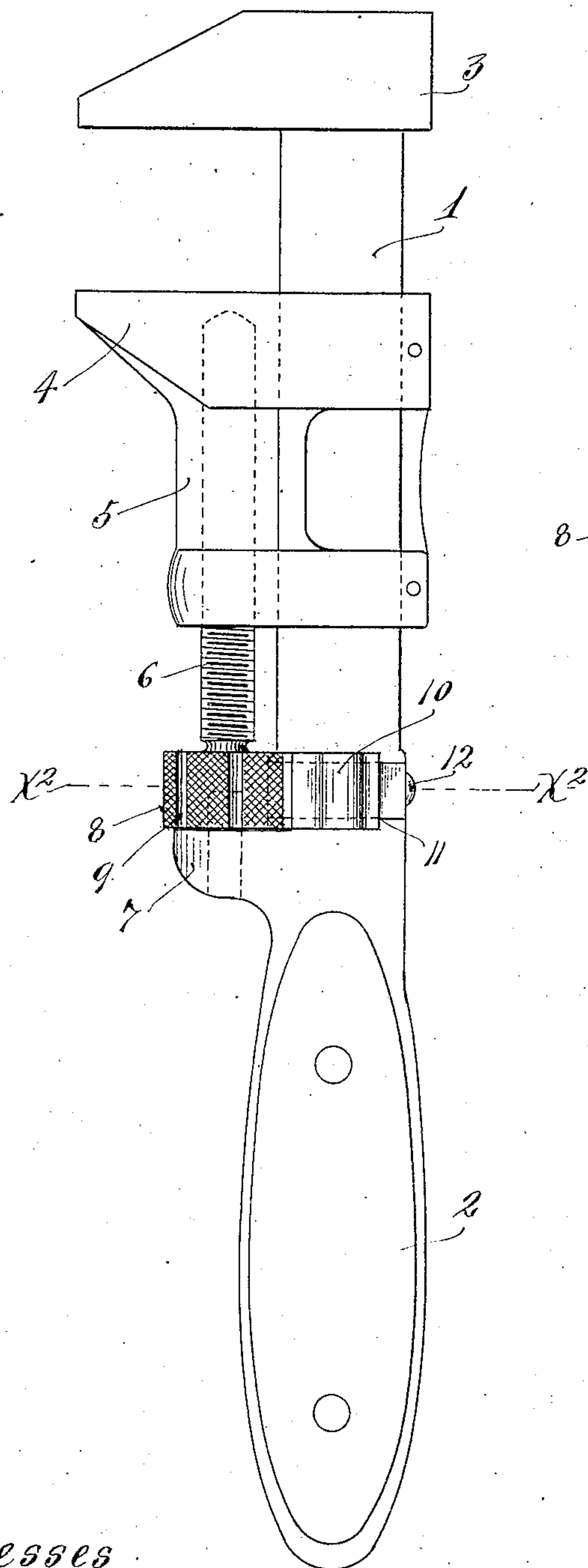


Fig. 2.

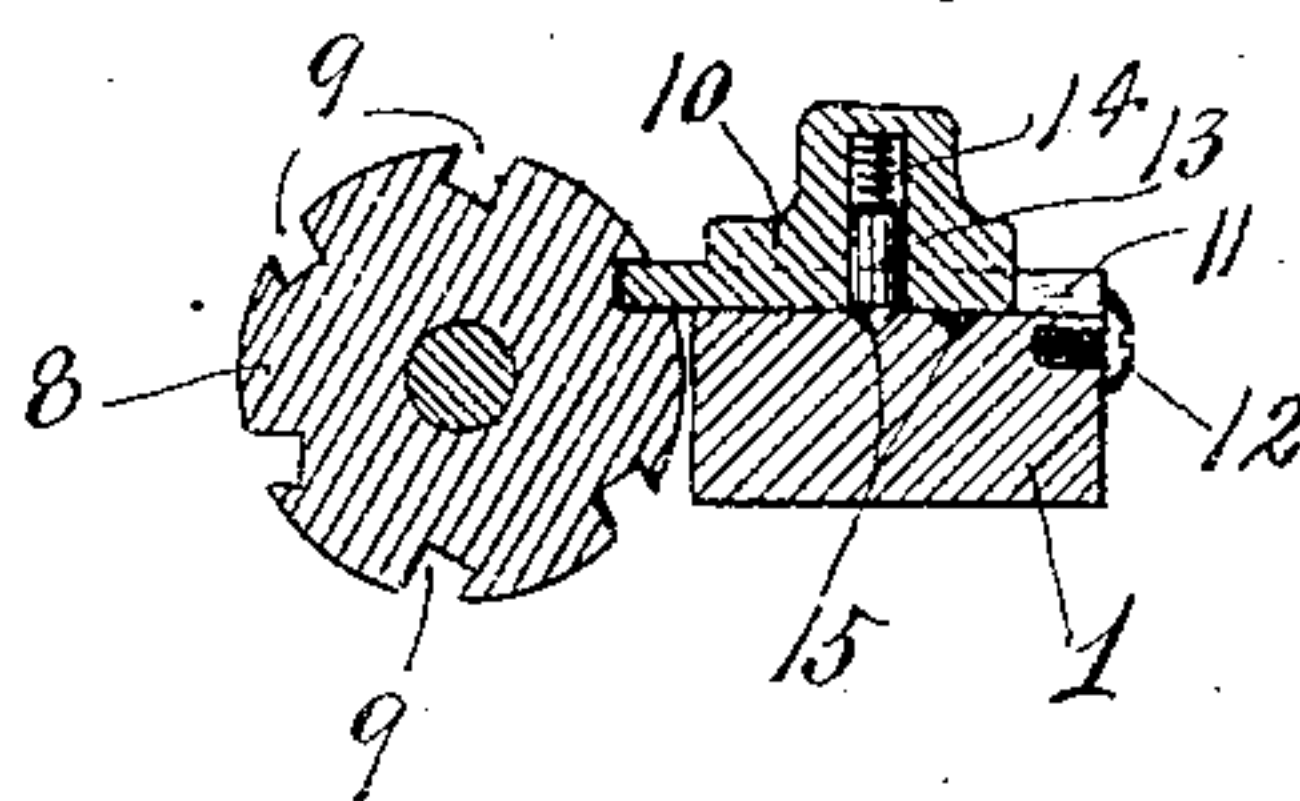
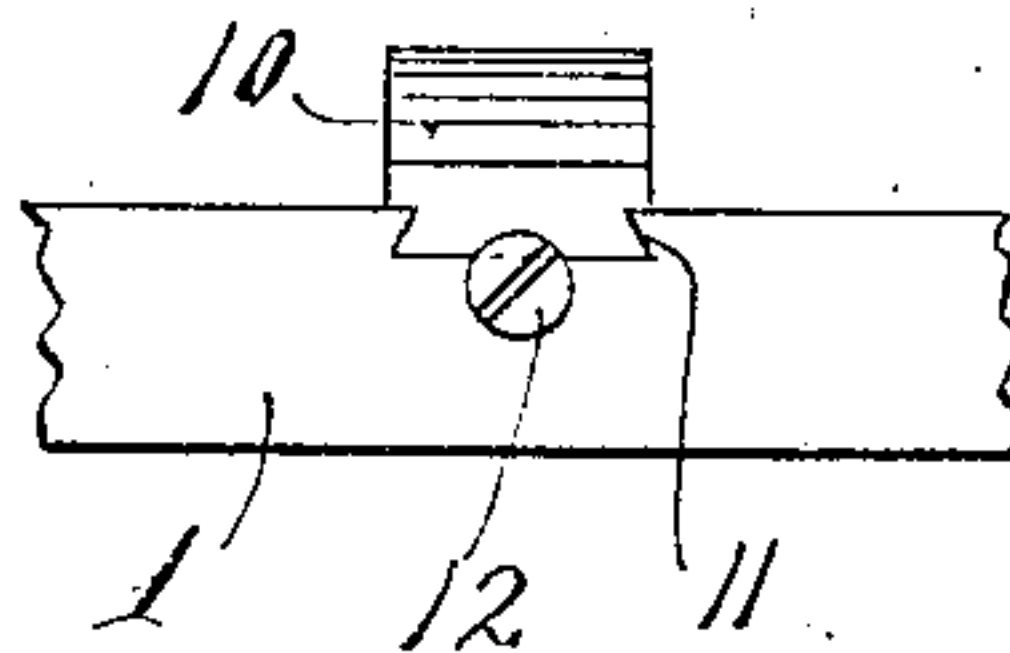


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

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MONKEY-WRENCH.

SPECIFICATION forming part of Letters Patent No. 785,953, dated March 28, 1905.

Application filed January 3, 1905. Serial No. 239,349.

To all whom it may concern:

Be it known that I, JOEL JARNBERG, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented certain new and useful Improvements in Monkey-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.

My invention relates to monkey-wrenches, and has for its object to provide a simple and efficient lock therefor.

To the above end the invention consists of the novel devices and combination of devices hereinafter described, and defined in the claims.

The invention is illustrated in the accompanying drawings, wherein like characters indicate like parts throughout the several views.

Figure 1 is a plan view showing a monkey-wrench having my improved lock applied thereto. Fig. 2 is a section on the line $x^2 x^2$ of Fig. 1; and Fig. 3 is a detail in rear elevation, showing a portion of the wrench and the lock therefor.

The numeral 1 indicates the rectangular body of the wrench, the same, as is usual, having at one end a handle 2 and at its other end a fixed jaw 3.

The movable jaw 4 is formed integral with a block 5, mounted for sliding movement on the bar 1. An adjusting-screw 6 is mounted at one end for screw-threaded engagement with the sliding block 5 and at the other end is journaled in the lug 7 on the bar 1 and is held against endwise movement in the usual way. This adjusting-screw 6 is provided with the knurled head 8, which in accordance with my invention is provided with peripheral notches 9. For engagement with the notches 9 a sliding lock 10 is mounted on the bar 1 in line with the knurled head 8. As shown, this lock 10 has a dovetailed engagement at 11 with the bar 1 and its outward movement is limited by a stop-screw 12 screwed into said bar. A conical-pointed plunger 13 is mounted in a suitable seat in the lock 10, is subject

to a light coiled spring 14, and is engageable with either of the pair of detents or conical depressions 15 in the bar 1.

When the lock 10 is moved inward, as shown in the drawings, its inner end engages one or the other of the peripheral notches 9 and locks the screw 6 against rotation. In the locking position of the lock 10 the plunger 13 engages the innermost depression 15, and when said lock is moved into its extreme outermost position said plunger engages the outermost depression 15. The spring-pressed plunger 13 therefore holds the lock, either in its operative or in its inoperative position, under sufficient force to prevent accidental movements of said lock. The lock may, however, be readily moved from one position to the other by applying enough force thereto to overcome the locking action of the plunger.

The importance of being able to lock the jaws of the monkey-wrench in any desired relative position will be readily understood by all mechanics and other persons who have had occasion to use wrenches of this character. By such persons it is known that in handling and using a monkey-wrench the adjustment of the jaws with respect to each other will be quickly changed, so that it has hitherto been necessary to frequently readjust the jaws of the wrench when the wrench is used on nuts of the same size.

The improved lock above described is efficient for the purposes had in view and is of very small cost.

What I claim, and desire to secure by Letters Patent of the United States, is as follows:

1. The combination with a monkey-wrench having an adjusting-screw 6 provided with a head 8, having peripheral notches 9, and a lock 10 slidably mounted on the body of the wrench for engagement with said peripheral notches to lock said screw against rotation, and a yielding device applied to said lock for holding the same, in its locking and in its unlocking position, substantially as described.

2. The combination with a monkey-wrench having an adjusting-screw 6 provided with a head 8, having peripheral notches 9, and a

slidable lock 10 in dovetailed engagement with the body of said wrench, and engageable and disengageable with said notches 9, and the spring-pressed plunger 13 mounted in said
5 lock, and engageable with either of two depressions 15 formed in the body of said wrench, substantially as described.

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

JOEL JARNBERG.

Witnesses:

H. D. KILGORE,
F. D. MERCHANT.