

Ö. KÖLLÜS.

WRENCH.

APPLICATION FILED FEB. 23, 1912.

1,046,200.

Patented Dec. 3, 1912.

FIG. 1

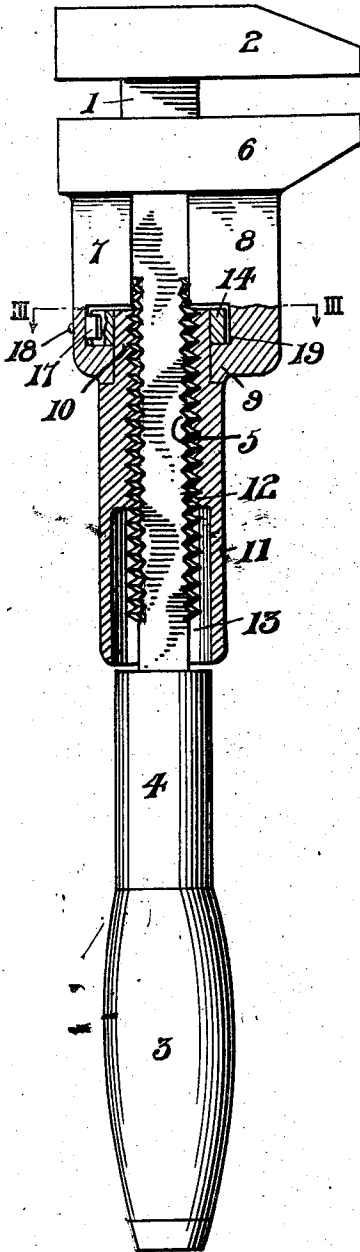


FIG. 2

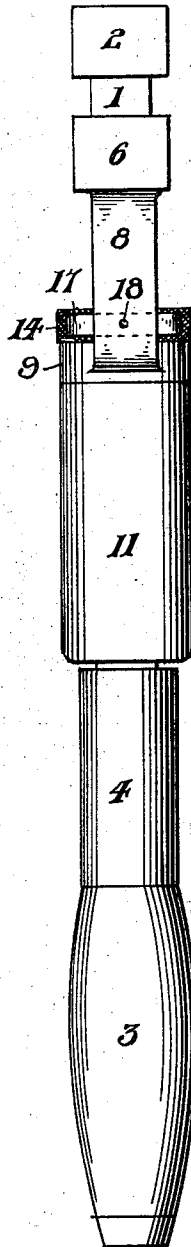


FIG. 3

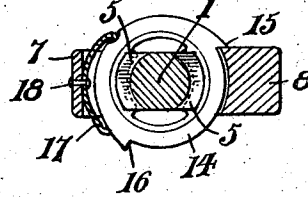


FIG. 4

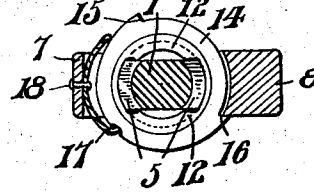
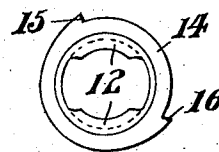


FIG. 5



WITNESSES

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WRENCH.

1,046,200.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, ÖDÖN KÖLLÜS, a subject of the King of Hungary, residing at Monessen, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Wrenches, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to wrenches, and more particularly to that type commonly styled a "quick acting monkey wrench".

The primary object of my invention is to provide a wrench of the above type wherein simple and effective means are employed, in a manner as will be hereinafter set forth, for quickly adjusting the movable jaw of the wrench.

Another object of this invention is to provide a wrench of the above type consisting of comparatively few parts readily assembled to provide a structure that is not liable to injury by ordinary use.

With the above and other objects in view, the invention resides in the novel construction, combination and arrangement of parts to be hereinafter specifically described and then claimed.

Reference will now be had to the drawing, wherein:—

Figure 1 is a side elevation of the wrench, partly broken away and partly in section, Fig. 2 is a rear elevation of the same, Fig. 3 is a horizontal sectional view taken on the line III—III of Fig. 1, showing the adjustable jaw of the wrench in a locked position, Fig. 4 is a similar view showing the adjustable jaw in an unlocked position, and Fig. 5 is a plan of a detached collar and sleeve adapted to form part of the wrench.

A wrench in accordance with this invention comprises a shank 1 substantially rectangular in cross section, said shank having the outer end thereof provided with a fixed jaw 2 and the inner end thereof with a handle 3, said handle having a cylindrical portion 4. The shank 1 has the front and rear faces thereof rounded and provided with teeth 5, for a purpose that will presently appear.

Slidably mounted upon the shank 1 is an adjustable jaw 6 having depending front and rear portions 7 and 8 connected by a ring 9.

Extending into the ring 9 is the outer reduced end 10 of a sleeve 11 that surrounds a portion of the shank 1. The sleeve 11 has diametrically opposed teeth 12 to engage the teeth 5 of the shank 1, and the inner end of the sleeve 11 is cut away, as at 13 to provide clearance for the cylindrical portion 4 of the handle 3, whereby said sleeve can be shifted on to the cylindrical portion of said handle.

Shrunk or otherwise mounted upon the reduced end 10 of the sleeve 11 is a collar 14 having the periphery thereof provided with shoulders 15 and 16 adapted to engage the portion 8 of the jaw 6. The periphery of the collar 14 is engaged by the ends of a bow spring 17 that is riveted or otherwise secured, as at 18 to the portion 7 of the jaw 6. The portions 7 and 8 of said jaw are cut away, as at 19 to provide clearance for the collar 14, also clearance for the bow spring 17. The spring 17 frictionally holds the collar 14 and the sleeve 11 in an adjusted position.

By cutting away the inner end of the sleeve 11 a greater adjustment of the jaw 6 is obtained, since said sleeve can ride on to the cylindrical portion 4 of the handle, the sleeve 11 being made of a sufficient length to permit of a free grip being obtained by the hand upon the sleeve for adjustment purposes.

By rotating the sleeve 11 a quarter of a revolution in either direction, the teeth 12 of said sleeve can be placed in or out of engagement with the teeth 5 of the shank and when the sleeve 11 is rotated relatively to said shank, the spring 17 holds the sleeve 11 in an adjusted position by engaging the periphery of the collar 14.

What I claim is:—

In a wrench of the character described, a shank provided with interrupted screw threads, a movable jaw slidably mounted on said shank, a fixed jaw on the shank, said movable jaw being provided with a pocket,

a locking collar surrounding the shank and provided with interrupted screw threads adapted to engage the threads on the shank, said collar being located in said pocket and
5 provided with a peripheral notch, and a spring having its central portion secured to the wall of said pocket and its opposite ends bearing against the collar and arranged for

engagement in the notch as the collar is shifted from locking to unlocking position. 10

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

ÖDÖN KÖLLÜS.

Witnesses:

ALFRED TANZER,

ANTHONY SARENFT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
