J. J. BARTENSTEIN.

ADJUSTABLE SPANNER WRENCH.

APPLICATION FILED OCT. 13, 1919.

1,417,792. Patented May 30, 1922.

FIG. 1

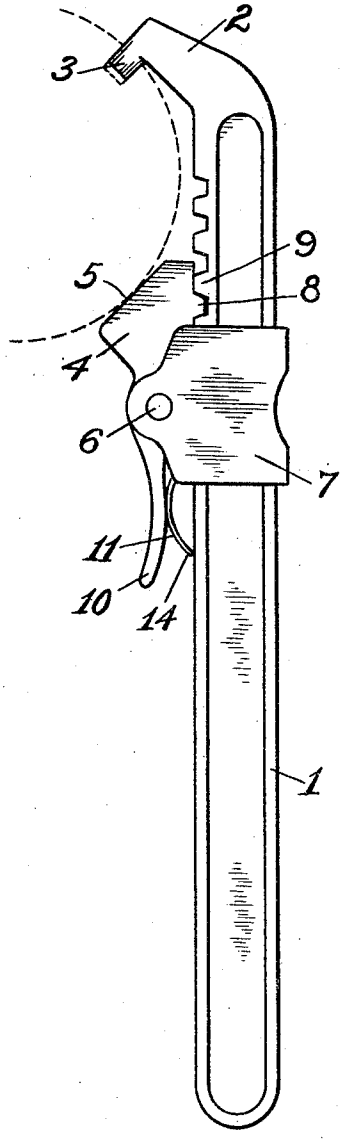


FIG. 2

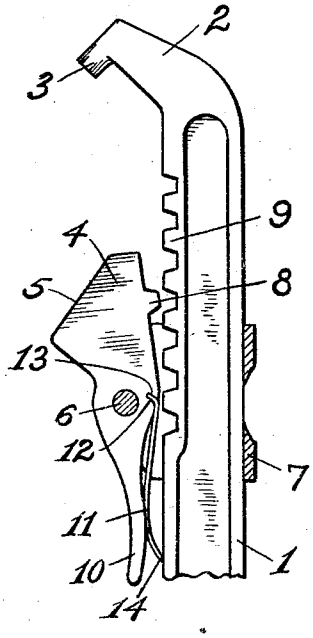
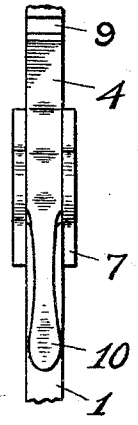


FIG. 3



Inventor

J. J. Bartenstein

By G. Ellinstad,

his Attorney

UNITED STATES PATENT OFFICE.

JOHN J. BARTENSTEIN, OF CLEVELAND, OHIO, ASSIGNOR TO THE FAIRMOUNT TOOL AND FORGING COMPANY, A CORPORATION OF OHIO.

ADJUSTABLE SPANNER WRENCH.

1,417,792. Specification of Letters Patent. **Patented May 30, 1922.**

Application filed October 13, 1919. Serial No. 330,279.

To all whom it may concern:

Be it known that I, JOHN J. BARTENSTEIN, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Adjustable Spanner Wrenches, of which the following is a specification.

This invention relates to wrenches and more particularly to spanner wrenches of the adjustable type.

The main object of the invention is to provide a spanner wrench of simple and durable construction, which is easily and quickly adjusted for fitting various sizes of cylindrical bodies, and when adjusted will remain securely locked against movement.

With the above and other objects in view as will be readily understood, the invention will be hereinafter fully described as illustrated in the accompanying drawings, and the novel features thereof will be distinctly pointed out in the appended claim.

Like characters of reference are used to designate corresponding parts in the several views of the drawings.

Figure 1 is a side view of a wrench constructed in accordance with my invention,

Figure 2 is a similar view of the upper end of the wrench, the strap being in section to better show the construction, and

Fig. 3 is a front edge view of a fragmental portion of the wrench.

Referring to the drawings, 1 represents a bar or handle having at one end a suitably bent fixed jaw 2, which terminates in an inwardly extending pin 3 for engaging a recess in the body to be moved. A movable jaw comprising a block 4 having an inclined face 5 for engaging the body to be moved, is pivoted at 6 between the sides of a strap 7, which passes around the handle 1 and is adapted to slide thereon. For locking the block 4 to the handle in its adjusted position, the same is provided with a transverse lug or tooth 8, which is adapted to engage teeth 9 at the inner edge of said handle. Formed integrally with the block 4 is a thumb lever 10 for tilting the block to disengage its lug 8 from the teeth 9 for permitting the block to be slidably moved along the handle to an adjusted position. A suitable bow spring 11, having an upturned end 12 secured in a groove 13 of the block 4, while its free end 14 rests upon the handle, exerts pressure upon the inner side of the thumb lever 10 and tends to force the lug 8 into engagement with the teeth 9.

In adjusting the wrench for use, a slight pressure upon the thumb lever 10 will tilt the block 4 and move its lug 8 clear of the teeth 9, as illustrated in Figure 2, thus permitting the block to be slidably moved to an adjusted position. Upon releasing the pressure on the thumb lever 10, the block 4 will be forced by the action of the bow spring 11 to normal position and its lug 8 will engage one of the teeth 9, thereby securely locking the block against sliding movement.

The invention as set forth and described is well adapted for the purpose intended, but it will be understood that slight changes in the details of construction may be made within the scope of the claim.

Having fully described my invention, what I claim is:

In a wrench, the combination of a handle having an inwardly extending pin, a strap, the strap being slidably mounted upon the handle, a block, the block being pivoted to the strap, the block having an inclined face adapted to engage a body to be moved, the handle having teeth, the block having a lug at one side of the pivot adapted to engage said teeth to prevent sliding movement of the block, a lever extending from the block at the other side of the pivot for tilting the block to disengage its lug from said teeth, and a spring fixed in said block and tending to press said lever of the block from said handle for holding said lug in engagement with said teeth, substantially as described.

In testimony whereof I affix my signature.

JOHN J. BARTENSTEIN.