

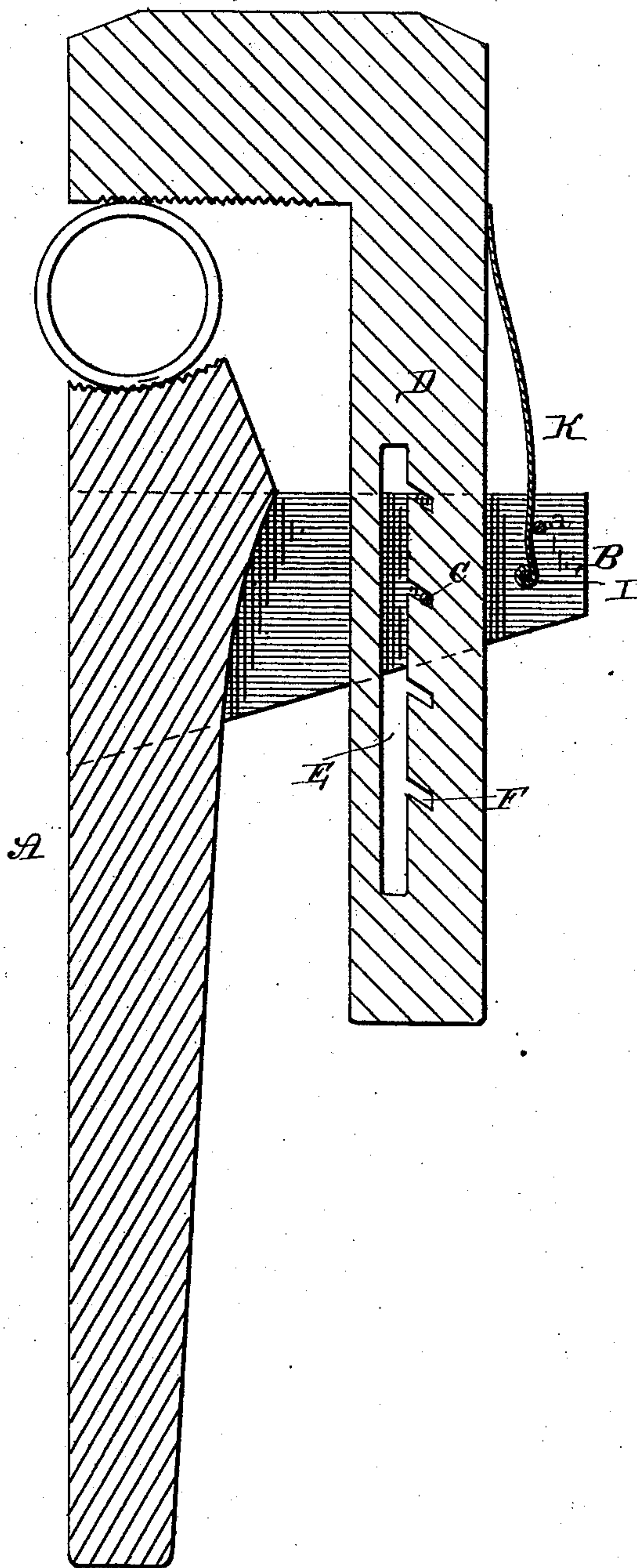
(Model.)

W. C. BASKIN.

WRENCH.

No. 291,129.

Patented Jan. 1, 1884.



- Witnesses. -

Louis F. Gardner

J. W. Garner

- Inventor. -

W. C. Baskin

per

J. A. Lehmann, atty.



# UNITED STATES PATENT OFFICE.

WILLIAM C. BASKIN, OF RED ELEPHANT, ASSIGNOR OF ONE-HALF TO  
FREDERICK W. BEST AND EDGAR N. GREEN, BOTH OF DENVER,  
COLORADO.

## WRENCH.

SPECIFICATION forming part of Letters Patent No. 291,129, dated January 1, 1884.

Application filed June 11, 1883. (Model.)

*To all whom it may concern:*

Be it known that I, WILLIAM C. BASKIN, of Red Elephant, in the county of Clear Creek and State of Colorado, 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 pertains to make and use it, reference being had to the accompanying drawing, which forms part of this specification.

My invention relates to an improvement in pipe-wrenches; and it consists in an adjustable jaw having a slot made in its lower end, and from which slot there project a number of notches to catch over the pivot upon which the jaw moves, and which jaw is braced on its outer side by means of a spring, as will be more fully described hereinafter.

The accompanying drawing represents a vertical section of my invention.

A represents the handle or lever, which has sharp ratchet-teeth formed on its upper end for the purpose of catching hold of the pipe or any round article. Secured to each side of this lever, just below these ratchet-teeth, are the supports or ears B, through which the pivotal pin C passes. Adjustable upon this pin or pivot is the jaw D, which has a slot, E, of any suitable length, so as to allow the jaw to be moved up and down upon the pin, and from which slot there project any number of recesses F. The slot allows the jaw to be moved freely up and down its full length, so as to adjust it to any desired diameter of pipe or rod, and the recesses or notches serve to hold the jaw at any desired adjustment by having the pivotal pin catching in one of them, and thus prevent the jaw from being moved vertically. When it is desired to adjust the jaw either up or down, it is forced backward toward the pin or rod I until the pivotal bolt C leaves the notch F, in which it is caught, when the jaw can be moved freely in either direction the full length of the slot E. While the jaw is caught upon the pivot C

the jaw has no other movement than a slight turning movement upon the pivot through the ears B. Beyond the outer edge of the jaw D is passed a pin or bolt, I, upon which is placed the flat spring K. This spring is prevented from moving backward upon pin I beyond a certain point by means of a suitable stop, a, which is passed through the ears B above the pin or bolt I. This spring bears against the upper end of the jaw D, and has a tendency to keep the upper end of the jaw pressed forward over the end of the lever A, and to hold the whole of the jaw pressed forward, so that the pivotal bolt C will not readily leave the notch in which it is caught. The curved portion of the jaw has sharp ratchet-teeth corresponding to the teeth on the end of the lever, so that the teeth will bite into the side of a pipe or a round rod and hold it securely. This construction of the teeth enables the wrench to be used upon a round object like a ratchet. By thus having the slot in the jaw and the recesses leading therefrom, the jaw can be adjusted to any desired size in a moment's time.

One great advantage of the construction above-described is that but a single lever or handle is necessary, which dispenses with all the pressure in the hand for the purpose of holding two handles together, and the greater the pressure brought upon the single handle or lever A the more securely the pipe or other round article is held.

Having thus described my invention, I claim—

In a wrench, the combination of the lever A, the supports B, the jaw D, provided with the slot E and recesses F, the pivotal bolt C, and a spring, K, the parts being combined and arranged to operate substantially as shown.

In testimony that I claim the foregoing I have hereunto set my hand this 23d day of December, 1880.

WILLIAM C. BASKIN.

Witnesses:

WM. F. ALLEN,  
E. S. MILLS, Jr.