(Model.)

C. H. MYERS.

WRENCH.

No. 288,098. Patented Nov. 6, 1883.

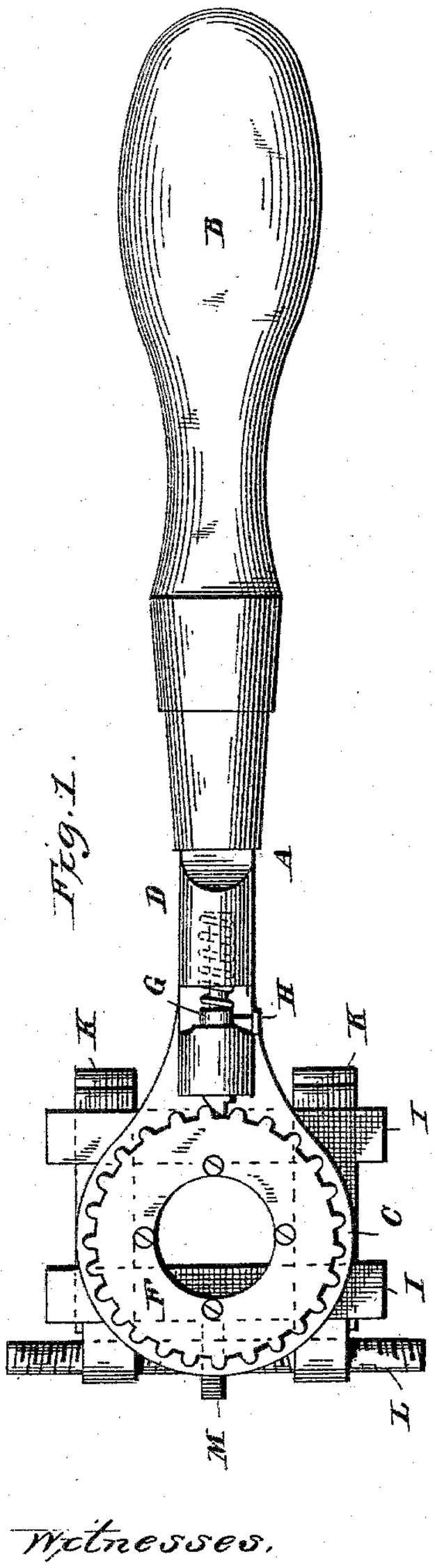

Fig. 1.

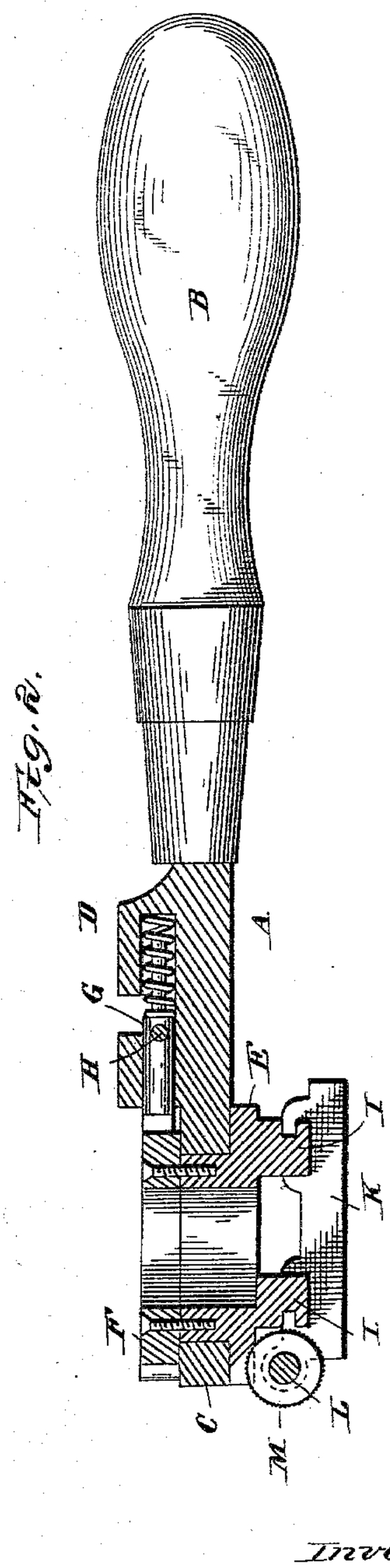

Fig. 2.

Witnesses.
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UNITED STATES PATENT OFFICE.

CHARLES H. MYERS, OF PHELPS, NEW YORK.

WRENCH.

SPECIFICATION forming part of Letters Patent No. 288,098, dated November 6, 1883.

Application filed June 6, 1883. (Model.)

To all whom it may concern:

Be it known that I, CHAS. H. MYERS, a citizen of the United States, residing at Phelps, in the county of Ontario and State of New York, have invented certain new and useful Improvements in Wrenches, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain improvements in wrenches; and it has for its objects to provide a cheap and convenient tool that may be readily adjusted and applied to work. These objects I attain by the means illustrated in the accompanying drawings, in which—

Figure 1 represents an elevation of my improved wrench, and Fig. 2 a partial sectional view thereof.

The letter A indicates the shank of the wrench, which is set in a suitable handle, B. The said shank at its end is enlarged, as indicated, into an annulus, C, and is provided on top with a barrel, D, for the purpose hereinafter specified.

The letter E indicates a circular plate having an opening at the center, and provided on one side with a sleeve adapted to fit within the annulus C, so as to rotate freely therein. The sleeve is of such length as to be flush with the face of the annulus, and has secured on its end an annular cogged or ratcheted disk, F, by means of screws or otherwise, whereby the parts are held together. In the barrel before mentioned is located a spring-actuated bolt, G, which is straight on one side at its outer end, and beveled at the other end, so that it will engage the cogs on the disk F when the wrench is turned in one direction and slip when turned in the opposite direction. The barrel is cut away about midway between its ends, and the bolt is provided with a headed pin, H, by means of which the bolt may be drawn and held back when necessary. Upon the face of the plate E are formed two grooved ways, I, upon which are arranged to slide the clamping-jaws K, which are provided with threaded apertures at the ends on one side, through which passes a right-and-left screw, L, which is provided with a milled disk, M, by which it may be turned to adjust the jaws.

The operation of my wrench will be readily understood from the above description, in connection with the drawings.

It will be seen that the bolt may be turned over, by reason of the cut-away portion of the barrel D, so as to lock the pawl H in such position as to turn the wrench in either direction.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination, in a wrench, of the shank provided with an annulus at its end, a plate having a central opening, and a sleeve fitting in said annulus, a cogged or ratcheted disk secured to said sleeve, and a spring-actuated bolt secured in a barrel forming part of the shank, substantially as and for the purposes specified.

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

CHARLES HENRY MYERS.

Witnesses:

WM. B. HOTCHKISS,

F. O. HOTCHKISS.