

W. J. SQUIRE.

WRENCH.

No. 174,745.

Patented March 14, 1876.

Fig. 1

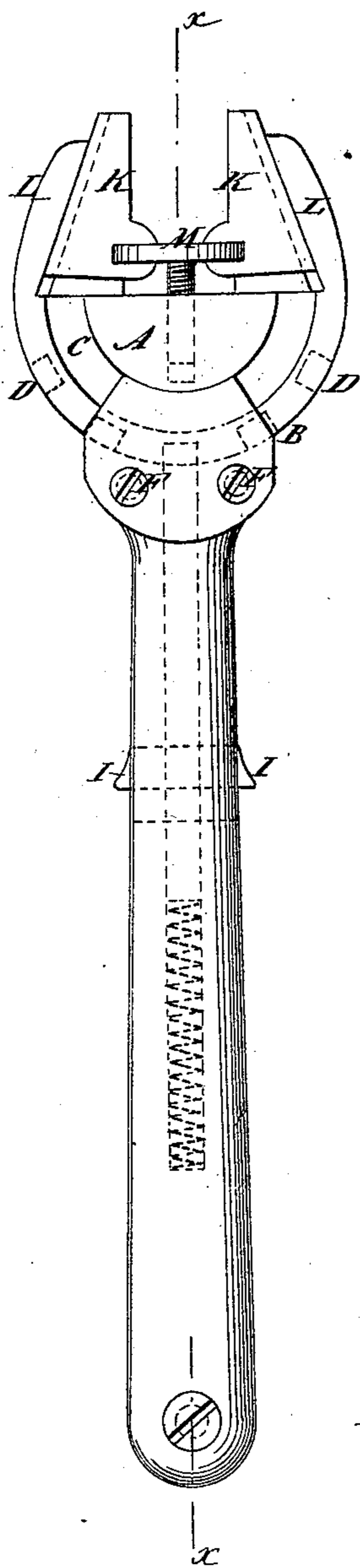


Fig. 2

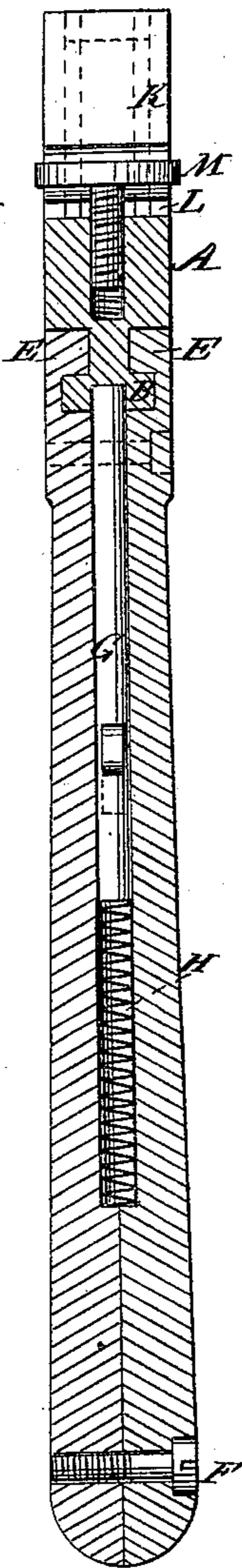
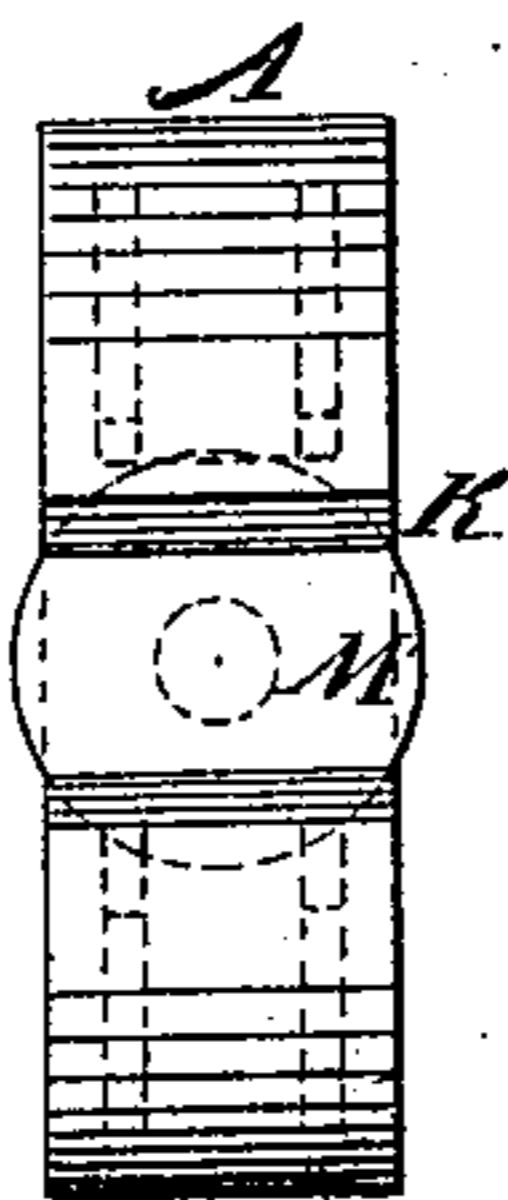


Fig. 3



WITNESSES:

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# UNITED STATES PATENT OFFICE.

WILBUR J. SQUIRE, OF EAST HADDAM, CONNECTICUT.

## IMPROVEMENT IN WRENCHES.

Specification forming part of Letters Patent No. 174,745, dated March 14, 1876; application filed February 14, 1876.

*To all whom it may concern :*

Be it known that I, WILBUR J. SQUIRE, of East Haddam, in the county of Middlesex and State of Connecticut, have invented a new and Improved Wrench, of which the following is a specification :

My invention consists of a jaw-head with a circular base attached to the handle by a circular groove in each side and corresponding ribs on the handle, which is made in two parts, and screwed together to clamp into said grooves, making a simple, cheap, and desirable construction, whereby the jaws can be set at any angle to the handle desired to accommodate the wrench to positions requiring different angles. The jaws are held in the different positions by a spring-pin in the handle. The invention also consists of a contrivance of adjustable jaws, by means of inclines and an adjusting-screw.

Figure 1 is a side elevation of my improved wrench. Fig. 2 is a longitudinal sectional elevation, taken on line *x x* of Fig. 1. Fig. 3 is an end elevation.

Similar letters of reference indicate corresponding parts.

The jaw-head A is constructed with a circular base, B, and a circular groove, C, in each side, also with pin-holes D in the base. The handle is constructed in two parts, longitudinally, which are grooved to receive the base B, and have a curved flange, E, to fit in the

grooves of the head, and secure it when the two parts are fastened together by screws F. The said parts of the handle are also grooved to receive the stop-pin G and the spring H, to be used for fastening the jaw-head, and they are notched to let the thumb-studs I project sufficiently to pull the pin back for releasing the jaws. The jaws K are dovetailed on the inclined forks L of the head, to slide forward and backward to adjust for large or small nuts, and the disk-headed screw M is notched in the jaws and screwed in the head, so as to work the jaws forward and backward.

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

1. The jaw-head, having circular base B and a circular groove, C, in the sides, in combination with the handle, constructed in two parts, and grooved for the base of the head, and ribbed to fit the grooves of the head, substantially as specified.

2. The combination of the jaws K, dovetailed on the inclined forks L of the head, and the disk-headed screw M, notched in the jaws and secured in the head, substantially as specified.

WILBUR J. SQUIRE.

Witnesses:

JULIUS ATTWOOD,  
HENRY H. SQUIRE.