

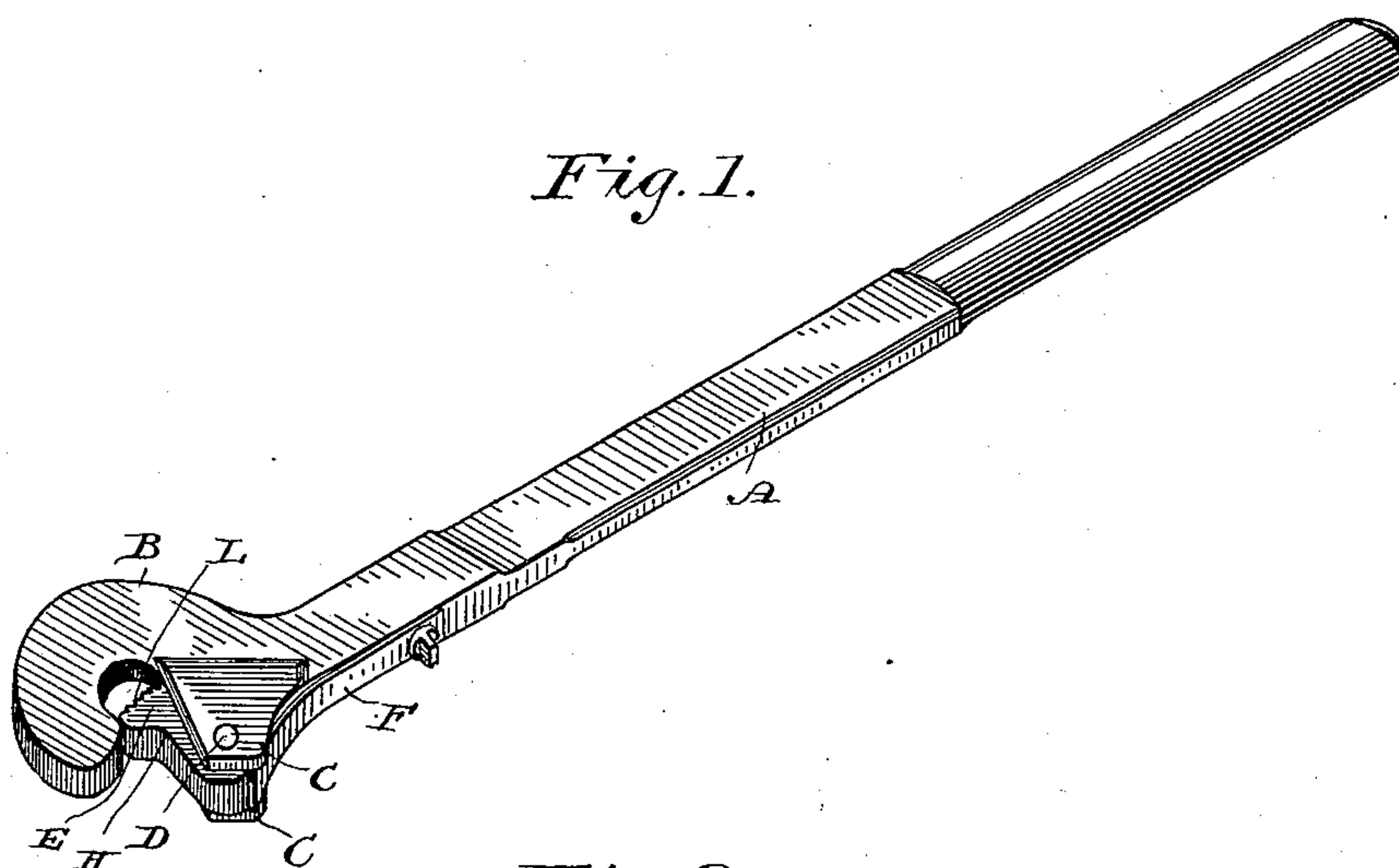
(No Model.)

J. FATKIN.

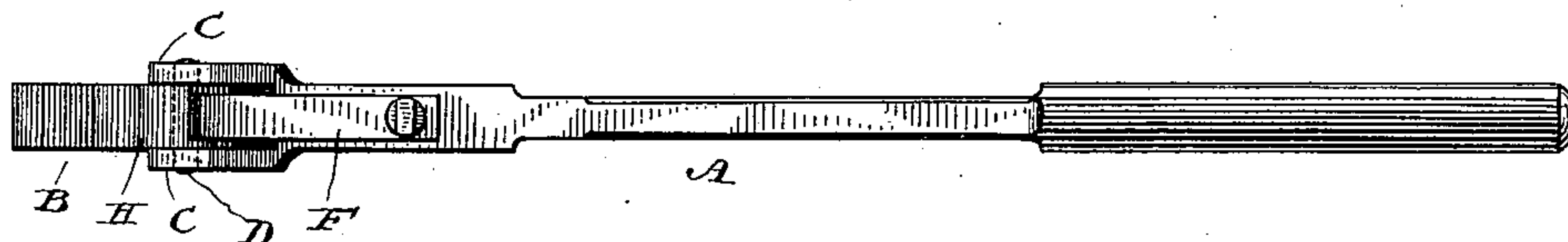
## PIPE WRENCH.

No. 352,530.

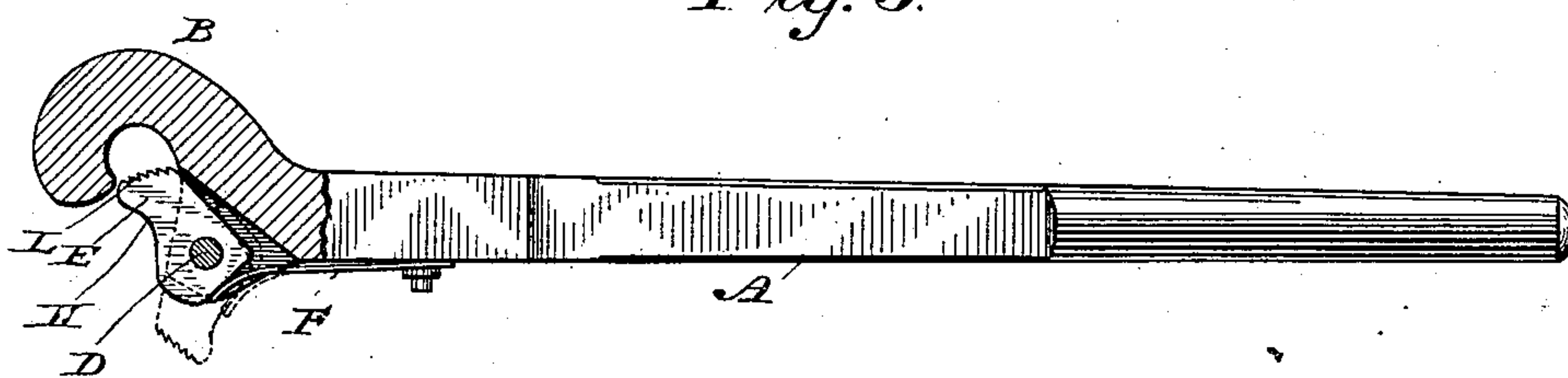
Patented Nov. 16, 1886.



*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

Witnesses

H. W. Elmore.

Fred V. Fischer

Inventor

James Fathin,

By his Attorney

John C. Pennie,

# UNITED STATES PATENT OFFICE.

JAMES FATKIN, OF WINIFREDE, WEST VIRGINIA, ASSIGNOR OF ONE-HALF  
TO THOMAS O. M. DAVIS, OF SAME PLACE.

## PIPE-WRENCH.

SPECIFICATION forming part of Letters Patent No. 352,530, dated November 16, 1886.

Application filed April 29, 1886. Serial No. 200,500. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES FATKIN, a citizen of the United States, residing at Winifrede, in the county of Kanawha and State of West Virginia, 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 appertains to make and use the same.

My invention relates to certain new and useful improvements in wrenches for pipes, rods, tubes, and the like, and is designed to furnish a wrench of simple, durable, and economical construction. In the accomplishment of these results I avail myself of the construction illustrated in the accompanying drawings, wherein—

Figure 1 is a perspective view of a wrench constructed in accordance with my invention. Fig. 2 is a side view thereof; and Fig. 3 is a plan view, partly in section.

Similar letters of reference indicate similar parts throughout the several views.

A indicates the handle of the wrench, of a size and shape adapted to the particular use for which it is intended.

B indicates the stationary jaw, of hook shape, as shown, the hook-groove being of a form adapted to readily encircle a pipe, rod, or other like article.

The body of the wrench is provided with two raised shoulders or cheek-pieces, C C, between which is pivoted at D the movable jaw E, as shown in Fig. 3. This movable jaw is provided upon its face with ridged or serrated projections L, enabling it to firmly grasp, during its operation, the pipe or similar article held between it and the fixed jaw. It is pivoted eccentrically between the cheek-pieces, and is held in the position shown in full lines in Fig. 3 by means of a band-spring, F, attached to the side of the wrench and bearing against the front portion of the movable jaw. The spring is curved outwardly, as shown, and the front of the movable jaw is rounded off, so as to permit the said jaw to be moved

outward into the position shown in the dotted lines in Fig. 3, when the wrench is to be disengaged from the article operated upon. In such position the free end of the spring rests within the hollow H of the movable jaw, and the upper surface of the jaw forms a continuation of the hook-groove of the stationary jaw.

The body of my improved wrench is preferably made of cast-steel and the movable jaw of steel of higher temper. When adjusted in either the open or closed position, the tendency of the spring is to retain the movable jaw in the position of adjustment until released by the operator.

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

1. A hand-wrench consisting of an operating-handle, a stationary hook-shaped jaw, cheek-pieces projecting from said handle in front of the stationary jaw, a movable jaw pivoted between said cheek-pieces, said movable jaw having a rounded projection in front of the pivot, and a retaining-spring outwardly curved at its free end, and bearing against the said rounded portion of the movable jaw, substantially as described.

2. A hand-wrench consisting of an operating-handle, a stationary hook-shaped jaw, cheek-pieces projecting from said handle in front of the stationary jaw, a movable jaw pivoted between said cheek-pieces, said movable jaw having a rounded projection in front of the pivot, a flat surface upon its opposite side, a hollowed-out portion in front of the rounded projection, and a retaining-spring outwardly curved at its free end, bearing against the said rounded portion of the movable jaw, the free end of the spring being adapted to rest within the hollow portion of the movable jaw when such jaw is open, substantially as described.

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

JAMES FATKIN.

Witnesses:

J. D. BARNES,  
SAM. D. LINTPUGER.