

(No Model.)

C. H. SNEDEKER.  
PIPE OR TUBE CUTTER.

No. 603,662.

Patented May 10, 1898.

Fig. 1.

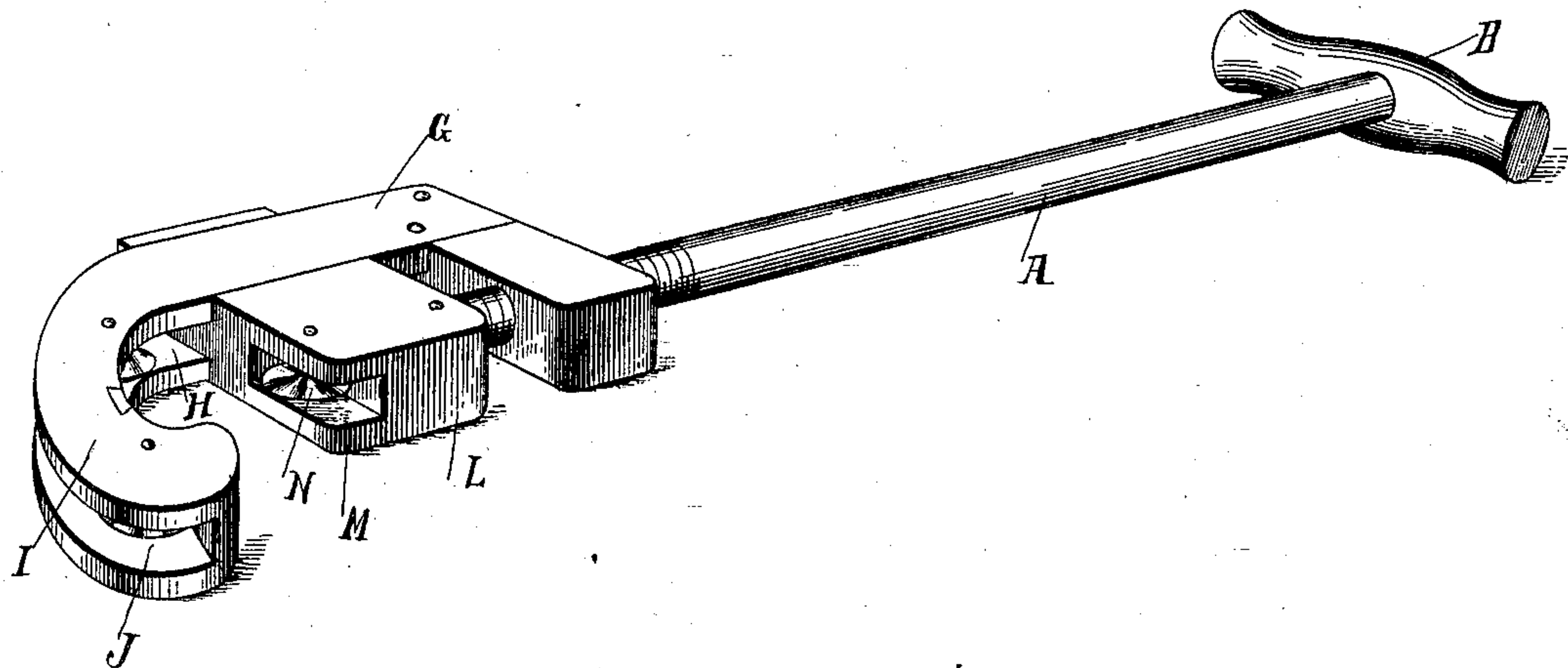


Fig. 2.

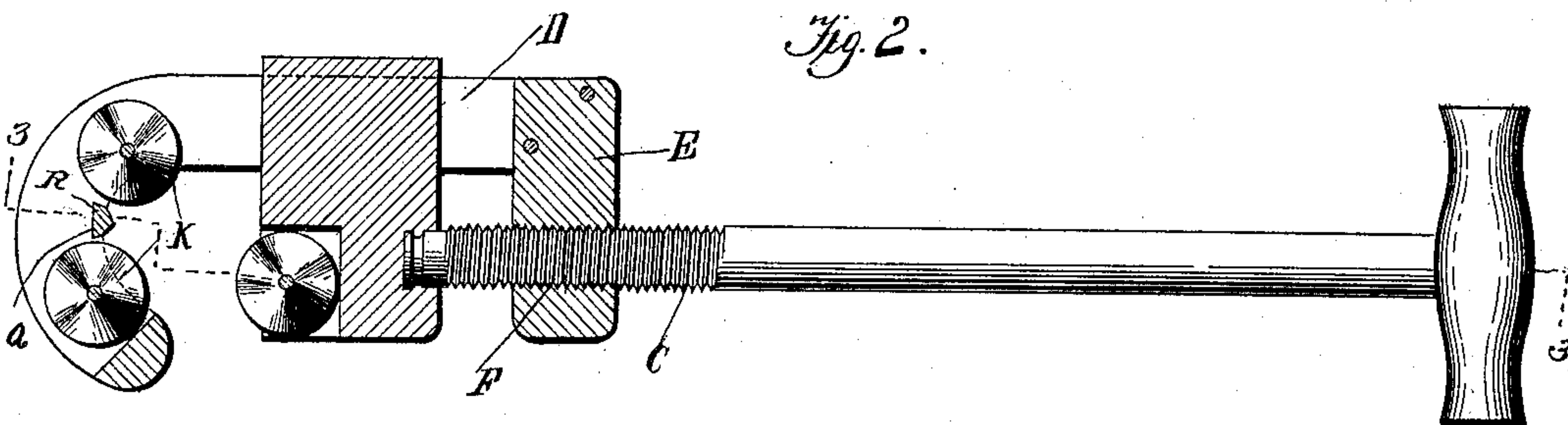


Fig. 3.

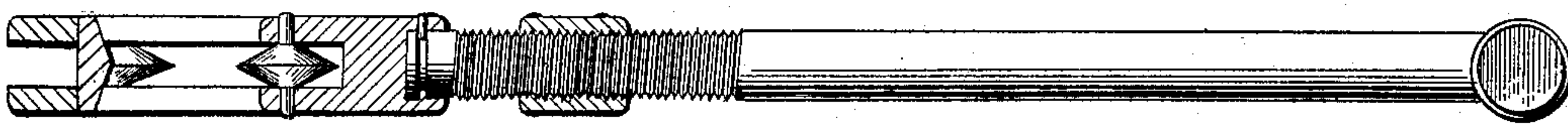


Fig. 5.

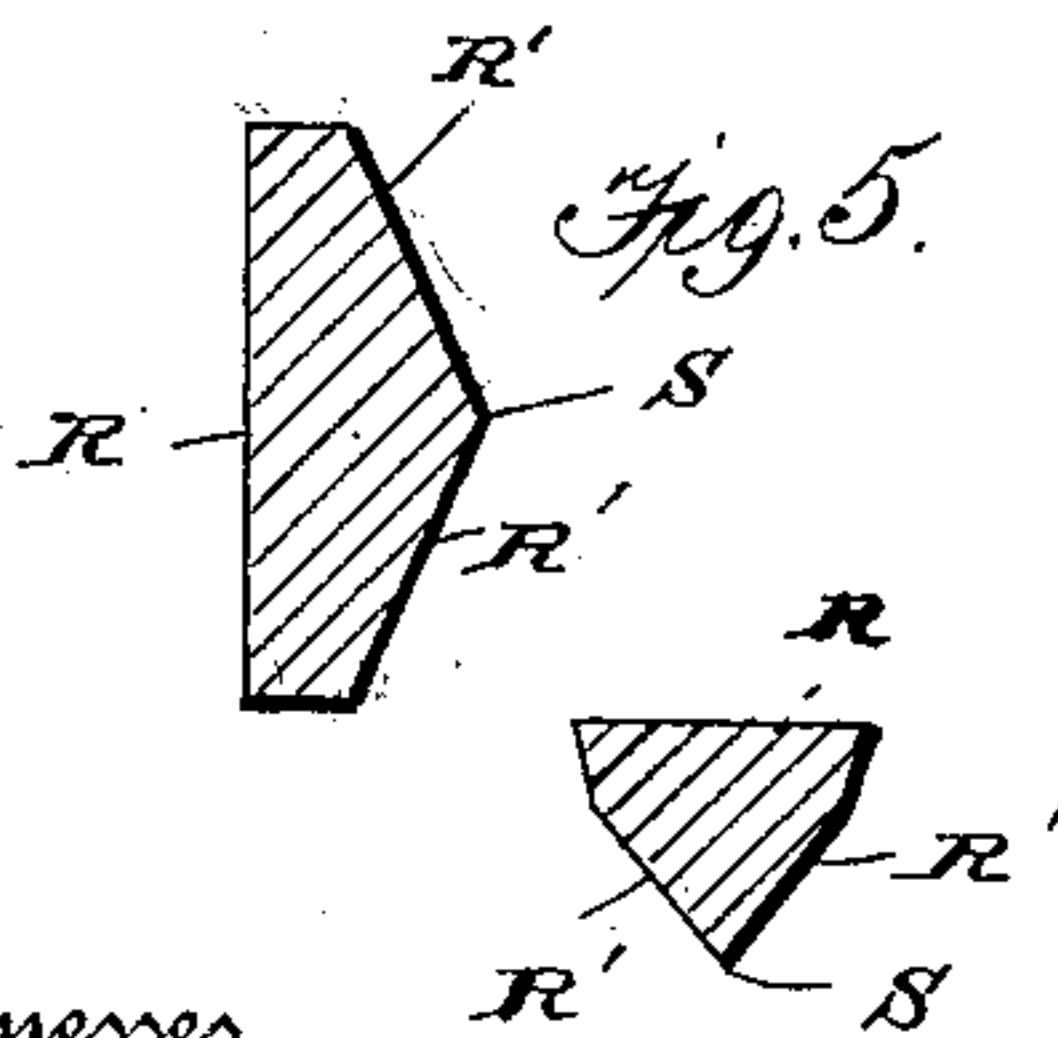


Fig. 4.

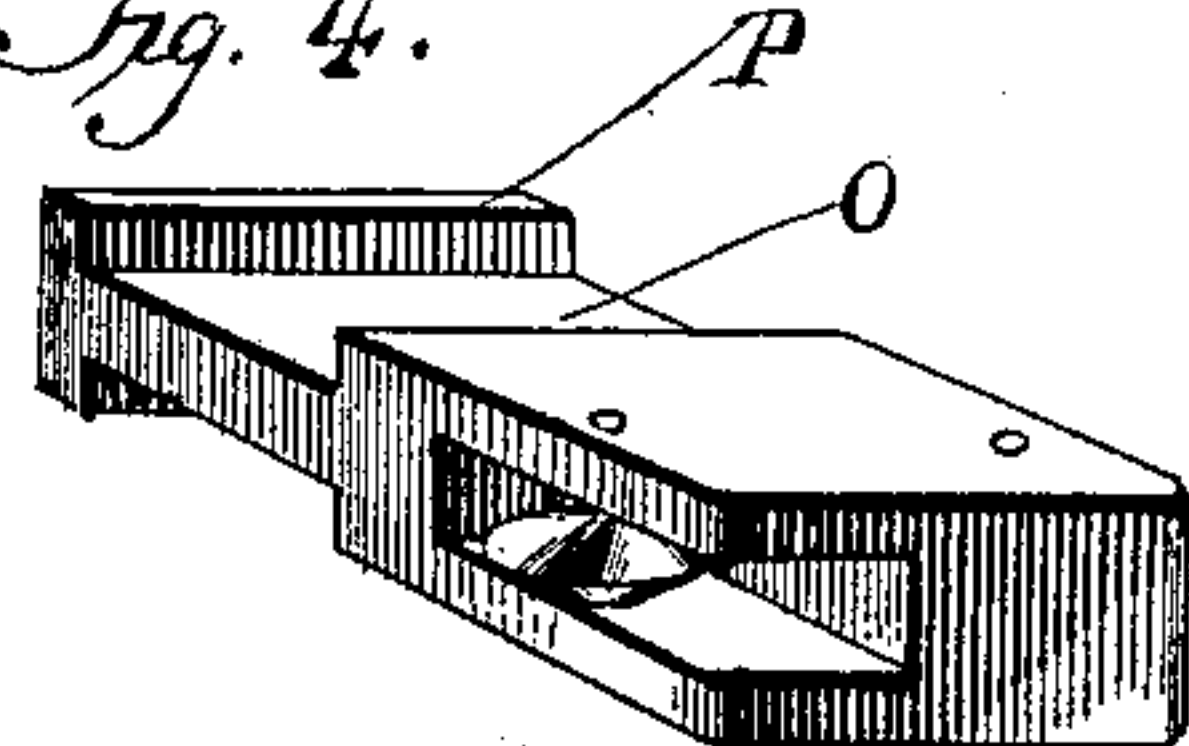
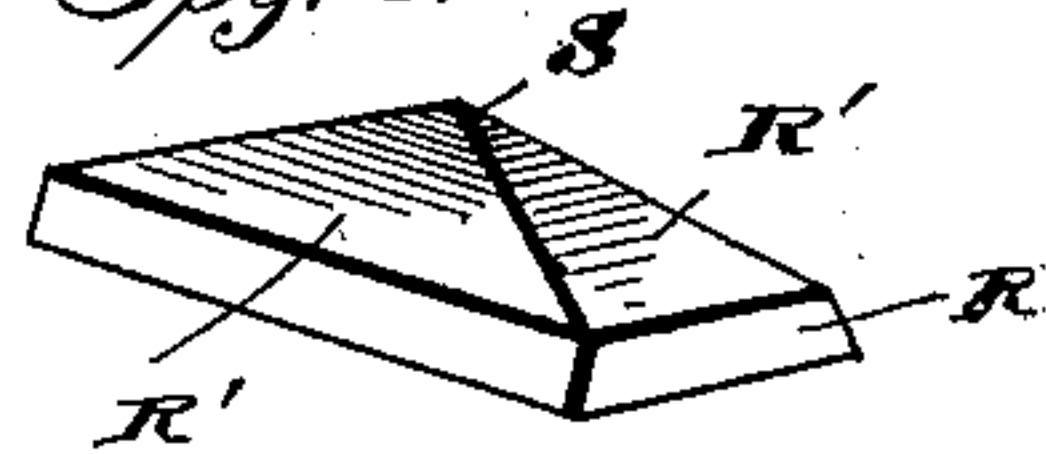


Fig. 6.



Witnesses

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# UNITED STATES PATENT OFFICE.

CHARLES H. SNEDEKER, OF ROSEDALE, MARYLAND, ASSIGNOR OF ONE-HALF TO JOHN F. KNOBLE, OF SAME PLACE.

## PIPE OR TUBE CUTTER.

SPECIFICATION forming part of Letters Patent No. 603,662, dated May 10, 1898.

Application filed June 23, 1897. Serial No. 641,922. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES H. SNEDEKER, residing at Rosedale, in the county of Baltimore and State of Maryland, have invented  
5 a new and useful Pipe or Tube Cutter, of which the following is a specification.

This invention has relation to certain improvements in pipe-cutters.

10 An object of the invention is to provide a pipe-cutter so constructed that any portion of the pipe can be severed or cut off in an easy and simple manner.

A further object of the invention is to provide a pipe-cutter so constructed that the pipe  
15 or tube can be held in the desired position while being cut, the parts thereof being simple in construction and easy of manufacture.

20 A still further object of the invention is to provide an improved pipe-cutter so constructed that a portion of the pipe can be severed in a shorter period of time than with the devices of this class heretofore used.

25 A further object of the invention is to provide a pipe-cutter so constructed that provision will be made in the rigid jaw thereof for a bur-cutter, so that the bur of the pipe can be easily removed as the section of the pipe is about to be severed from the body portion thereof.

30 With these and other objects in view my invention consists of certain novel features of construction and in combinations and arrangements of parts that will be hereinafter more fully described and then specifically  
35 pointed out in the appended claims.

In order that my invention may be fully understood, I will proceed to describe the same with reference to the accompanying drawings, in which—

40 Figure 1 is a perspective view of my improved pipe or tube cutter, the same being shown in a position ready for use. Fig. 2 is a longitudinal sectional view. Fig. 3 is a longitudinal sectional view taken on the lines  
45 3 3 of Fig. 2. Fig. 4 is a detail view of the sliding jaw carrying the cutting-disk. Fig. 5 illustrates sectional views of the bur-cutter, the same being shown in vertical and longitudinal sections, respectively; and Fig. 6  
50 is a perspective view of the bur-cutter proper.

The same letters of reference will indicate

similar parts wherever they occur throughout the different views.

In the practical embodiment of my invention I have shown a pipe-cutter, the same  
55 comprising the handle-bar A, provided on its rear end with the handle B, the upper end of said handle being screw-threaded, as shown at C.

D indicates the rigid jaw, having the rear  
60 extension E secured thereto, said extension being provided with a screw-threaded opening F for the reception of the screw-threaded end of the handle-bar A. This rigid jaw comprises the rear portion E, which is se-  
65 cured to a slide-frame G in any suitable manner, said slide-frame being provided with a longitudinal slot H and having its upper end curved, as shown at I, and having the slotted  
70 portion J, in which are journaled the disks K.

L indicates the sliding jaw, comprising a block having the cut-away front portion M, in which is mounted a cutting-disk N, this block being provided with an extended end O on one  
75 side thereof to enter the slotted portion of the rigid jaw D, so as to be freely slidable back and forth therein, and being provided on its outer extremity with an enlarged portion P, the inner face thereof being adapted  
80 to bear against the outer edge of the rigid jaw as the sliding jaw carrying the cutting-disk is being moved back and forth within the slot of said rigid jaw, so that said sliding  
85 jaw will at all times be held in the desired position between the upper curved portion of the rigid jaw and the rear extension E thereof. At a point between the disks K of  
90 the curved portion of the rigid jaw is formed a dovetailed groove or recess Q for the reception of a bur-cutter R, the same being preferably formed in a single piece having the  
95 beveled sides R', so as to provide for the cutter-point S in the central upper portion thereof. This bur-cutter is adapted for use in severing the bur as the pipe-section is about  
100 to be severed, and as the same is made considerably smaller than the disks K it will not come in contact with the pipe until the portion to be cut off is about to be severed from the body portion of the pipe.

The operation of this device is as follows: The pipe or tube to be cut is first placed in



the curved opening of the upper portion of the rigid jaw. The handle B is then turned, permitting the screw-threaded end of the handle-bar to bear against the rear side of the sliding jaw until the front face of said sliding jaw carrying the cutting-disk bears against the pipe. The handle-bar is then turned as usual and the pipe cut in the ordinary manner. As the cutting-disks have cut the pipe to a depth where the section to be removed is about to be severed the bur-cutter R will be brought into operation and the pointed end on the central upper surface thereof will be brought into contact with the edges of the section to be removed and will quickly sever the bur or turned-over edges thereof, thus allowing a clean cut and consequently no rough or uneven edge on either the edge of the body portion of the pipe or the edges of the section severed therefrom. After the section of pipe that has been cut has been removed the handle-bar can be turned in a direction to loosen the several parts, so that the pipe or tube can be easily removed.

By reason of the peculiar construction herein set forth it will be observed that a very few parts are necessary to form my improved pipe-cutter, and it should also be noticed that should any portion thereof become broken or otherwise injured it can be readily removed and replaced, and it should also be observed that should the bur-cutter point become dull or broken the same can be easily removed and replaced by a new one, this being easily accomplished by reason of the peculiar-shaped cutter and the dovetailed groove in which it is to be secured.

Various slight changes might be made in

the forms, arrangements, and constructions of the parts described without departing from the spirit and scope of my invention. Hence I do not care to limit myself to the exact construction herein set forth, but consider myself entitled to all such slight changes as may fall within the spirit and scope of my invention.

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

1. A pipe-cutter comprising a rigid jaw having cutting-disks mounted therein, a movable jaw carrying a cutting-disk, said rigid jaw having a transversely-extending dovetailed slot formed therein at a point between the cutting-disks, and a bur-cutter consisting of a block beveled to form a central cutting-point, said cutter being removably secured in the dovetailed slot, substantially as set forth.

2. A pipe-cutter comprising the handle portion having the screw-threaded upper end, a rigid jaw curved at its upper part substantially as described, a semicircular slot within said upper curved portion, the disks mounted therein, a dovetail groove arranged on the space between said disks, a bur-cutter adapted to be fitted within said groove provided with the beveled sides, and the central point or trimmer, a sliding jaw carrying the cutting-disk, said sliding jaw being adapted to be freely slidable back and forth within a longitudinal slot formed on one side of the rigid jaw, as and for the purpose set forth.

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Witnesses:

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