

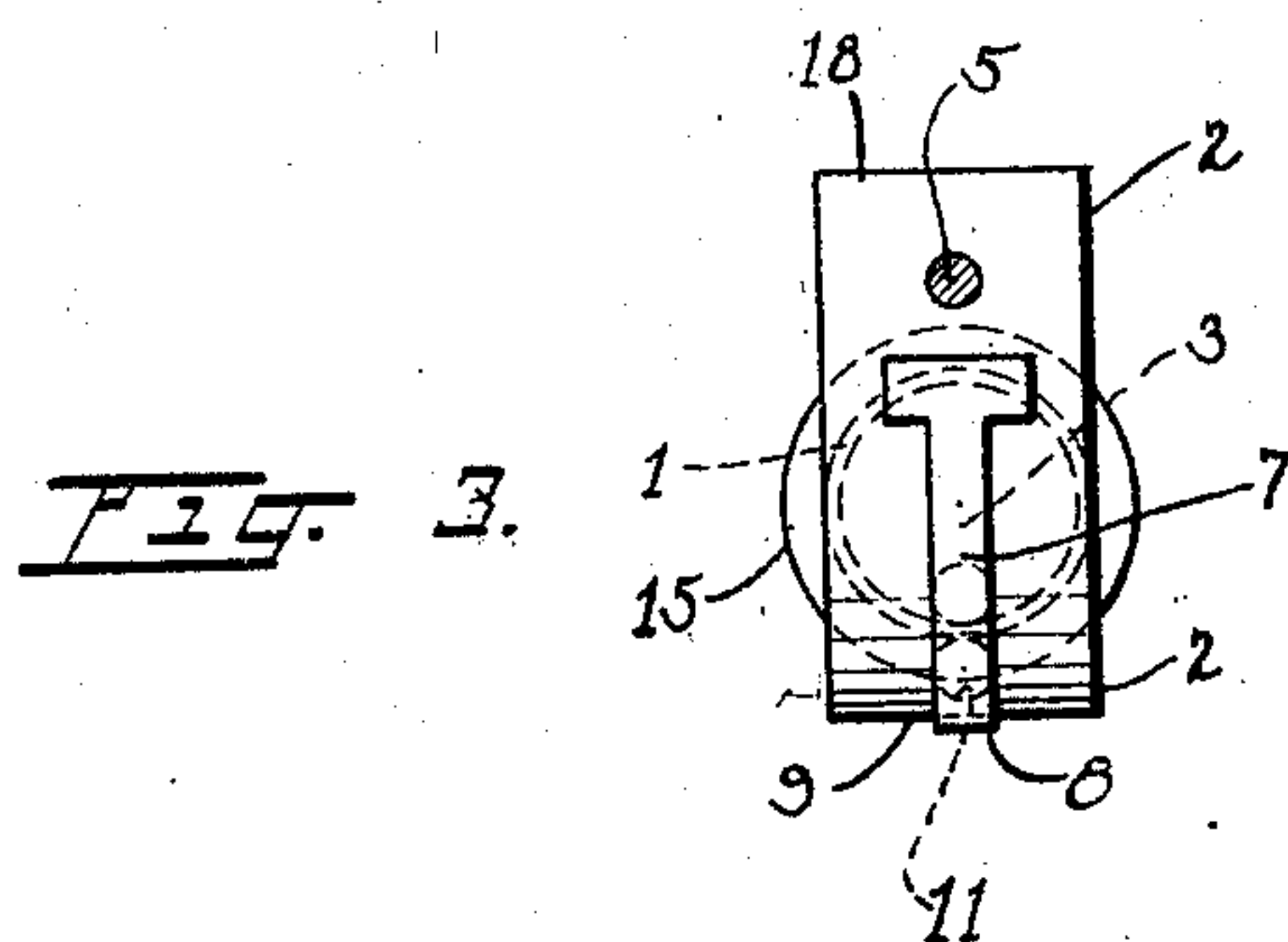
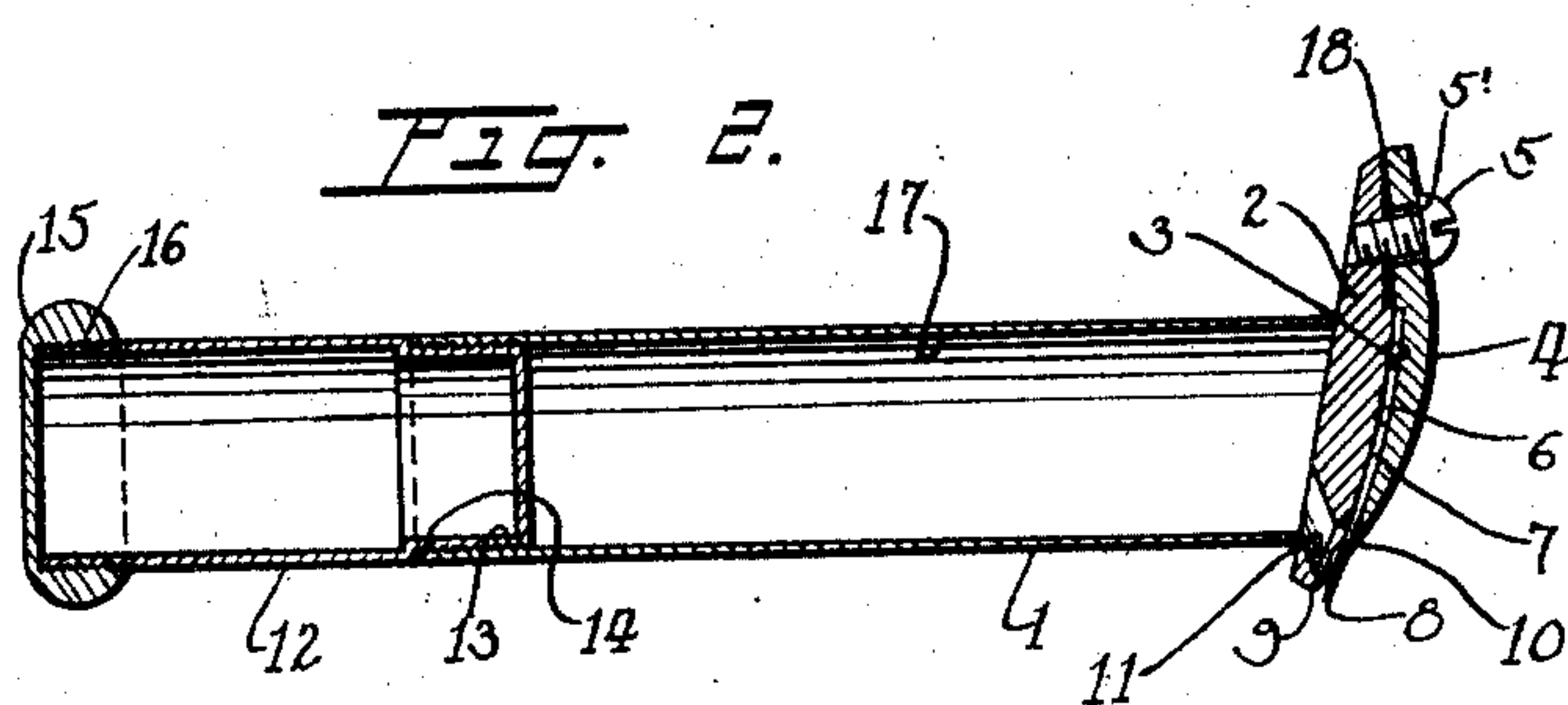
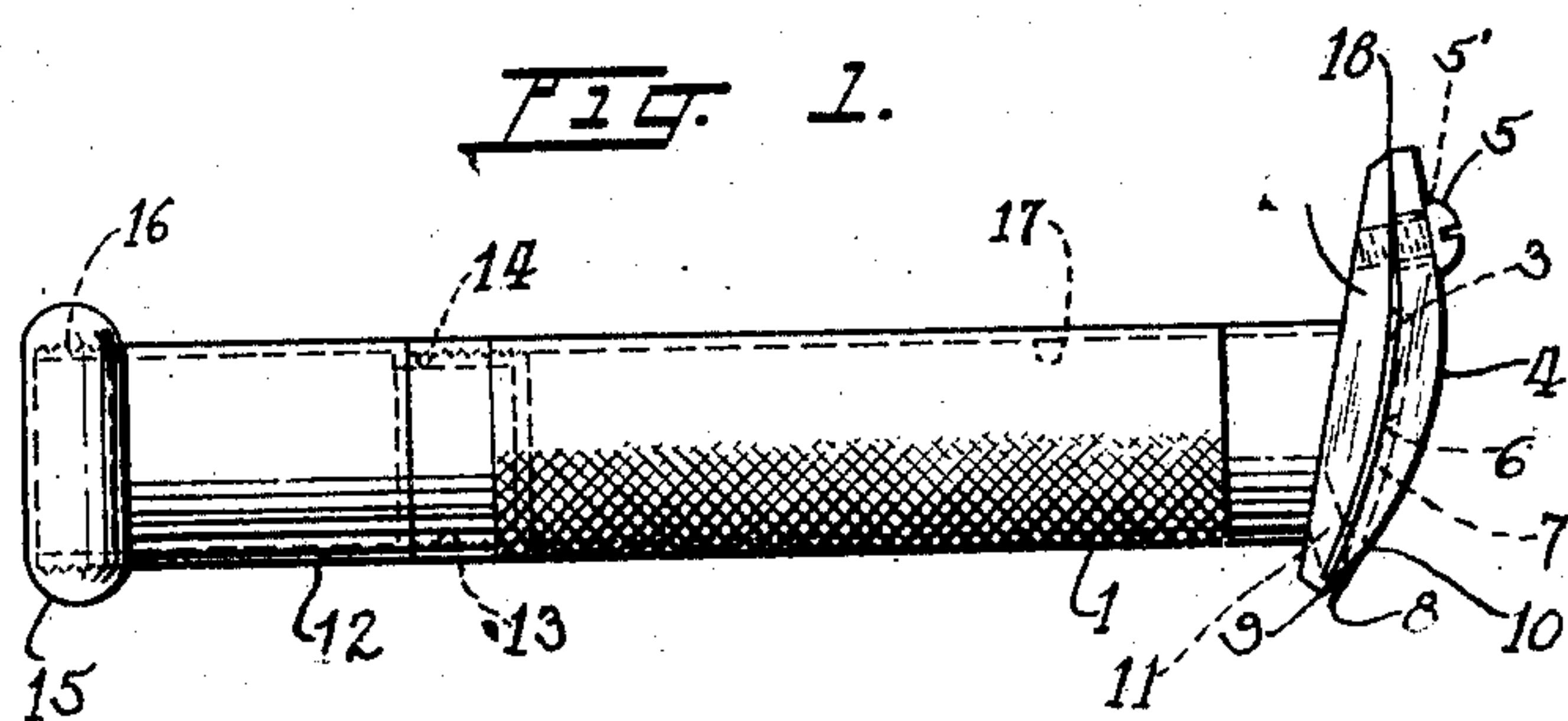
Oct. 7, 1930.

J. C. SPEER

1,777,812

ERASING DEVICE

Filed July 16, 1928



INVENTOR
J. C. Speer
BY *Mum & Co.*
ATTORNEYS

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UNITED STATES PATENT OFFICE

JOHN C. SPEER, OF CHICAGO, ILLINOIS

ERASING DEVICE

Application filed July 16, 1928. Serial No. 293,289.

My invention relates to improvements in erasing devices, and it consists in the combinations, constructions, and arrangements herein described and claimed.

It has been proposed, heretofore, to employ rubber erasers or scrapers for removing ink from paper surfaces. The objectionable features of these methods are that the bits of erasure left by erasing accumulate and become unsightly, and when aforesaid methods are used in connection with a typewriter, the bits of erasure fall into the mechanism of the typewriter, thereby impairing its efficiency.

An object of my invention is to provide an eraser by means of which the ink marks are obliterated without leaving bits of erasure.

A further object of my invention is to provide an eraser whereby a mark may be obliterated with minimum effort.

A further object is to provide an eraser having a permanent handle in order that it may be securely held in the hand.

A further object of the invention is to provide an eraser which collects the bits of erasure as it is operated.

Other objects and advantages will appear in the following specification, and the novel features of the invention will be particularly pointed out in the appended claims.

My invention is illustrated in the accompanying drawings, forming part of this application, in which

Figure 1 is a side elevation of my device, Figure 2 is a longitudinal sectional view of my device, and

Figure 3 is an end elevation of my device with the cover removed.

In carrying out my invention, I provide a hollow body portion 1, one end of which is integral with an arcuate-shaped head or member 2. The member 2 has a raised portion 3 which may be of any suitable size and shape. An arcuate cover 4 is securely fastened to the member 2 by a screw 5. The cover 4 has a recess 6 therein of such size and shape that the raised portion 3 will snugly fit therein.

A blade 7 having a sharp cutting edge 8 is similar in contour to the recess 6 and is re-

ceivable therein. The blade 7 is held in place between the raised portion 3 and the walls of the recess 6 by means of lugs or recesses. The cutting edge 8 extends slightly beyond the exterior surfaces 9 and the portion 10 of the member 2 and the cover 4, respectively.

A passageway 11 extends transversely through the member 2 and is disposed beneath the blade 7 adjacent the cutting edge 8. A hollow container 12 has a threaded end 13 which is receivable in a threaded end 14 of the body portion 1. The end 13 of the container 12 is closed. An internally threaded cap 15 is disposed upon a threaded end 16 of the container 12, thereby closing the threaded end 14.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood. In using the eraser, the body portion or handle 1 is held in the fingers of the user and the cutting edge 8 is drawn over the mark to be erased. By this movement a very thin piece of the paper containing the mark is cut off. The piece of paper thus cut off passes through the passageway 11 into the compartment 17 in the body portion 1. When the compartment 17 becomes filled with bits of paper, the hollow container 12 which acts as a cover for the compartment 17 may be unscrewed, and the bits of paper removed. The container 12 is for holding surplus blades 7 so that when the one in use becomes dull another may be inserted in its place. The cap 15 is merely to hold the surplus blades 7 in the container.

The arcuate-shaped cover 4 bears upon the member 2 at the edge 18 and has an inwardly tapered surface which extends away from the member 2. When the screw 5 is loosened or tightened, the portion 10 of the cover 4 moves proportionately. When the portion 10 moves inwardly as the screw 5 is tightened, the blade 7 tends to bend to the arcuate-shaped contour of the raised portion 3, thereby decreasing the exposed portion of the blade 7 at the surface 9 and the portion 10. When the screw 5 is loosened, the portion 10 moves outwardly and the blade 7 tends to straighten thereby increasing the exposed portion of the blade 7 at the surface 9 and the portion 10. An opening 5', which is pro-

vided in the cover 4 and through which the screw 5 passes, is slightly larger in diameter than the diameter of the screw 5 to permit the free movement of the cover 4 during the adjustment of the screw 5. It is obvious that the slice of material to be cut off is determined by the adjustment of the screw 5.

I claim:

1. A device of the type described comprising a hollow body portion, a cutting member carried by said body portion, means whereby portions severed by said cutting member may pass into said hollow body portion, and means for containing surplus cutting members.

2. A device of the type described comprising a hollow body portion, an arcuate-shaped supporting member carried by said body portion and having an opening therethrough, an arcuate-shaped raised portion integral with said supporting member, a cutting member disposed upon said raised portion, a cover member disposed upon said supporting member for securing said cutting member to said raised portion, said cutting member having a cutting edge extending beyond one edge of said cover, and means for securing said cover to said supporting member whereby said cover may be moved toward or away from said supporting member for varying the distance at which the cutting edge extends beyond the edge of said cover, said opening being adapted to direct bits cut by said cutting member into said body portion.

3. An erasing device comprising a hollow handle portion provided with a head, a flexible cutting blade carried by said head, and means for flexing the blade for varying the length thereof, said head being provided with an opening communicating with the interior of the handle for receiving particles severed by said blade.

4. An erasing device comprising a hollow handle portion provided with a head having an arcuate-shaped portion, a flexible cutting blade disposed adjacent said arcuate-shaped portion and having its cutting edge projecting slightly beyond the exterior of a portion of the head, and means operatively connected with the head for flexing the cutting blade for increasing or decreasing the amount of blade projecting beyond said head, said head being provided with a passageway communicating with the interior of the hollow handle portion for receiving particles severed by the blade.

5. An erasing device comprising a gripping portion provided with a head having a raised portion, means movable relatively with respect to the head and carried thereby, said means being provided with a recess substantially conforming to said raised portion and arranged in alignment therewith, and cutting means substantially conforming to the contour of said recess and disposed there-

in and adjacent said raised portion, said cutting means being provided with a cutting edge projecting from the recess.

Signed at Chicago in the county of Cook and State of Illinois this seventh day of July, A. D. 1928.

JOHN C. SPEER.

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