

No. 868,316.

PATENTED AUG. 13, 1907.

V. F. REICH.  
GLASS CUTTER.  
APPLICATION FILED JAN. 25, 1907.

Fig. 1.

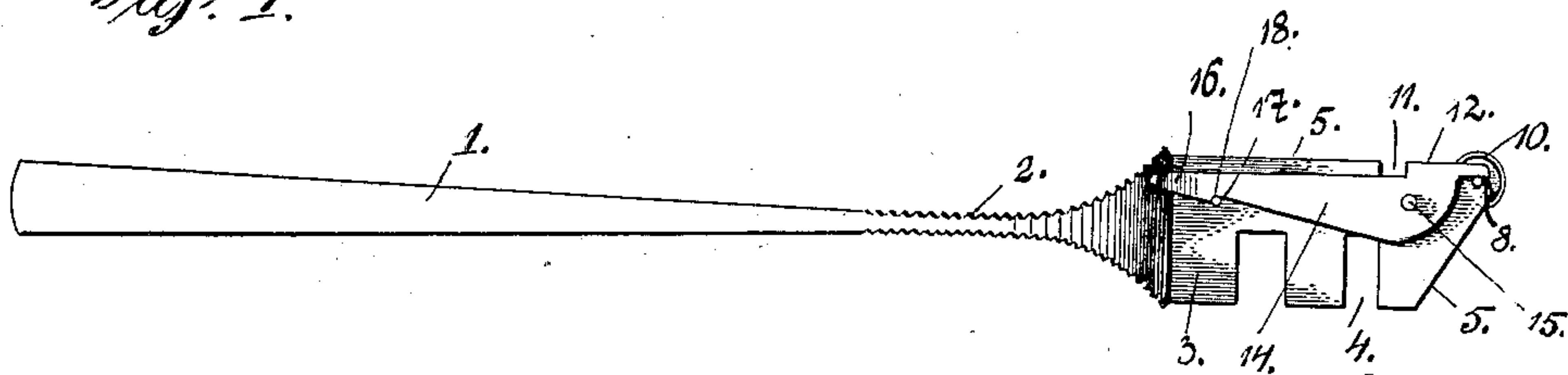


Fig. 2.

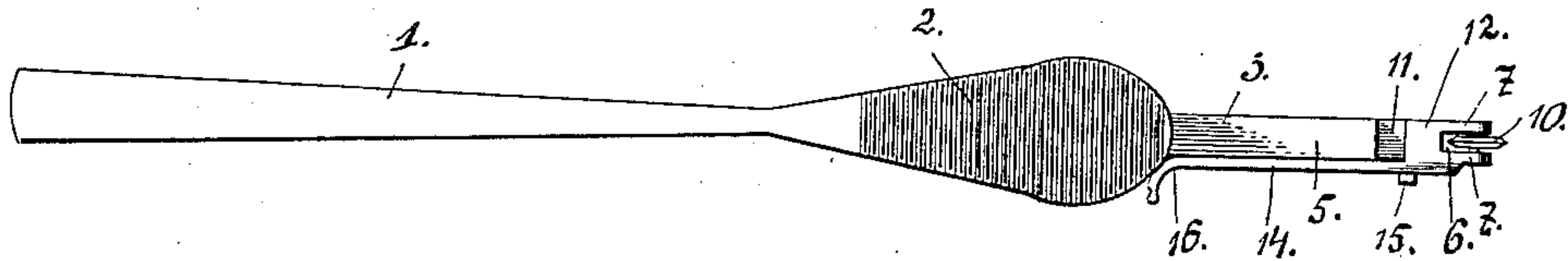


Fig. 3.

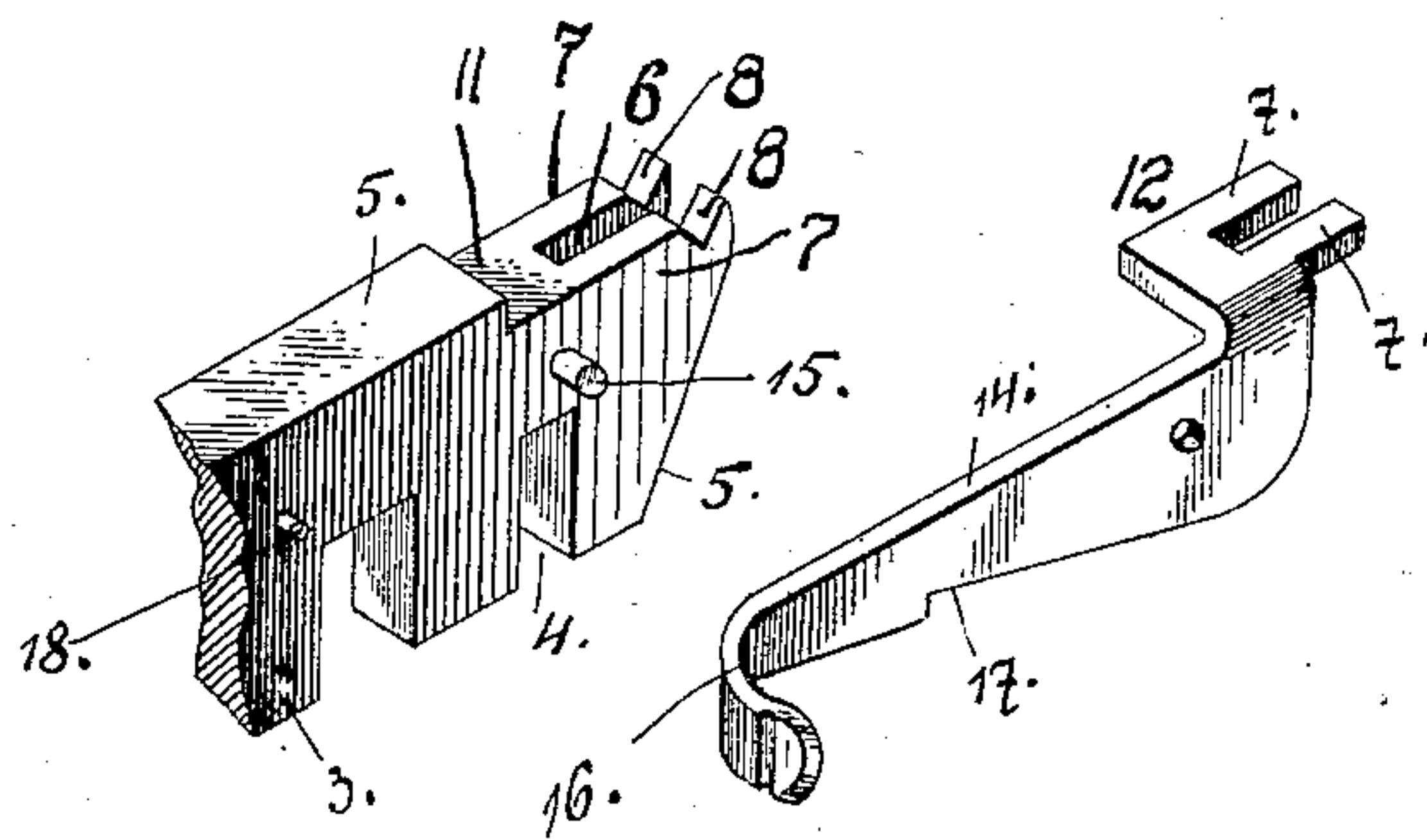


Fig. 4.

Fig. 5.



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

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## GLASS-CUTTER.

No. 863,316.

Specification of Letters Patent.

Patented Aug. 13, 1907.

Application filed January 25, 1907. Serial No. 354,121.

*To all whom it may concern:*

Be it known that I, VALDEMAR F. REICH, a citizen of the United States of America, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Glass-Cutters, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to glass cutters, and the invention has for its object to provide a glass cutter with a detachable cutter wheel which can be easily and quickly removed when it has become worn or dull and replaced by a new wheel.

Another object of this invention is to provide positive and reliable means for retaining a cutter wheel in operative position in a glass cutter.

With these and other objects in view, which will more readily appear as the invention is better understood, the same consists in the novel construction, combination and arrangement of parts to be hereinafter more fully described and then specifically pointed out in the appended claims.

Referring to the drawing forming part of this specification, like numerals of reference designate corresponding parts throughout the several views, in which:

Figure 1 is a side elevation of my improved glass cutter, Fig. 2 is a plan, Fig. 3 is a perspective view of the head of the cutter lever, Fig. 4 is a perspective view of a detached lever, and Fig. 5 is a perspective view of a cutter wheel.

In the accompanying drawing, I have illustrated a glass cutter comprising a handle 1 having a flattened serrated gripping surface 2 and a head 3. One edge of the head is provided with recesses 4 for engaging the edge of a piece of glass. The end of the head is beveled as at 5, and bifurcated, as at 6, at its upper edge to form arms 7, which are recessed as at 8 to provide bearings for the spindle or shaft 9 of a cutter wheel 10. The upper edge of the head 1 is cut away as at 11 to accommodate the bifurcated end 12 of a lever 14, said bifurcated end being disposed at right angles to the lever whereby said lever can be pivotally connected to the head 3 as at 15. The opposite end of the lever is bent outwardly, as at 16, and notched, as at 17, whereby it can be normally held in the fixed position shown in Fig. 1 of the drawing, by a lug or pin 18 carried by the side of the head 3. The bifurcating of the end of the lever 14 forms arms 7' which

project over for the spindle or shaft 9 of the cutter wheel 10, and as shown in Fig. 1 of the drawing, so that it will be impossible for the cutter wheel to become displaced until the lever 14 is moved. The bent end 16 of the lever serves as a handle for moving said lever, and it is only necessary to spring the lever outwardly a slight distance to clear the lug or pin 18 in order to lower the bent end of the lever and elevate the bifurcated end thereof.

From the foregoing description taken in connection with the drawing, it will be observed that I have devised novel means for detachably holding a cutter wheel in the head of a glass cutter thereby increasing the usefulness of the glass cutter by renewing the cutter wheels without destroying the entire glass cutter.

I do not care to confine myself to the manner of locking the lever in a fixed position, or to the exact shape and size of said lever. Such changes in the size, proportion and minor details of construction as are permissible by the appended claims, may be resorted to without departing from the spirit and scope of the invention.

What I claim and desire to secure by Letters Patent, is:—

1. The combination with a glass cutter comprising a recessed and bifurcated head having a handle, of a cutter wheel journaled in the recessed and bifurcated portion of said head, a lever pivotally connected to the side of said head and having a bifurcated end for retaining said wheel in said head, and a lug or protuberance carried by said head for holding said lever in a fixed position.

2. A glass cutter comprising a recessed and bifurcated head having a handle, a cutter wheel journaled in the recessed and bifurcated portion of said head, a lever pivotally connected to said head and having a bifurcated end for holding said wheel in said head, and means carried by said head for holding said lever in a fixed position.

3. A glass cutter having in combination, a head bifurcated at its upper end and recessed in the upper end of the bifurcated portion, a cutter wheel mounted in said bifurcated portion having a shaft seated to revolve in said recesses, and a spring-lever pivoted to the side of the head and having an angularly-extending bifurcated portion lying upon the head and holding the cutter wheel in position therein, and means for holding said spring in a fixed position.

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

VALDEMAR F. REICH.

Witnesses:

MAX H. SROLOVITZ,  
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