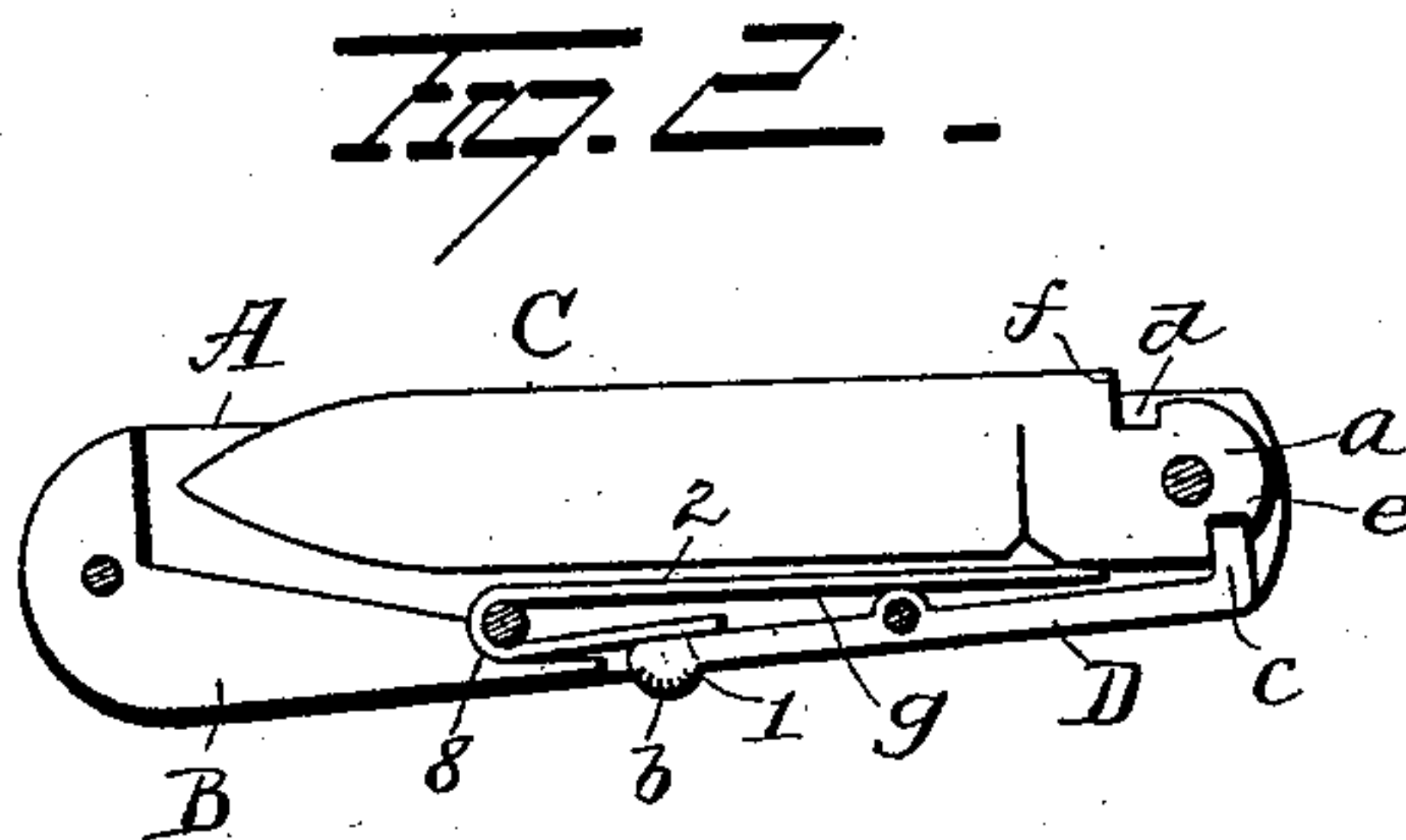
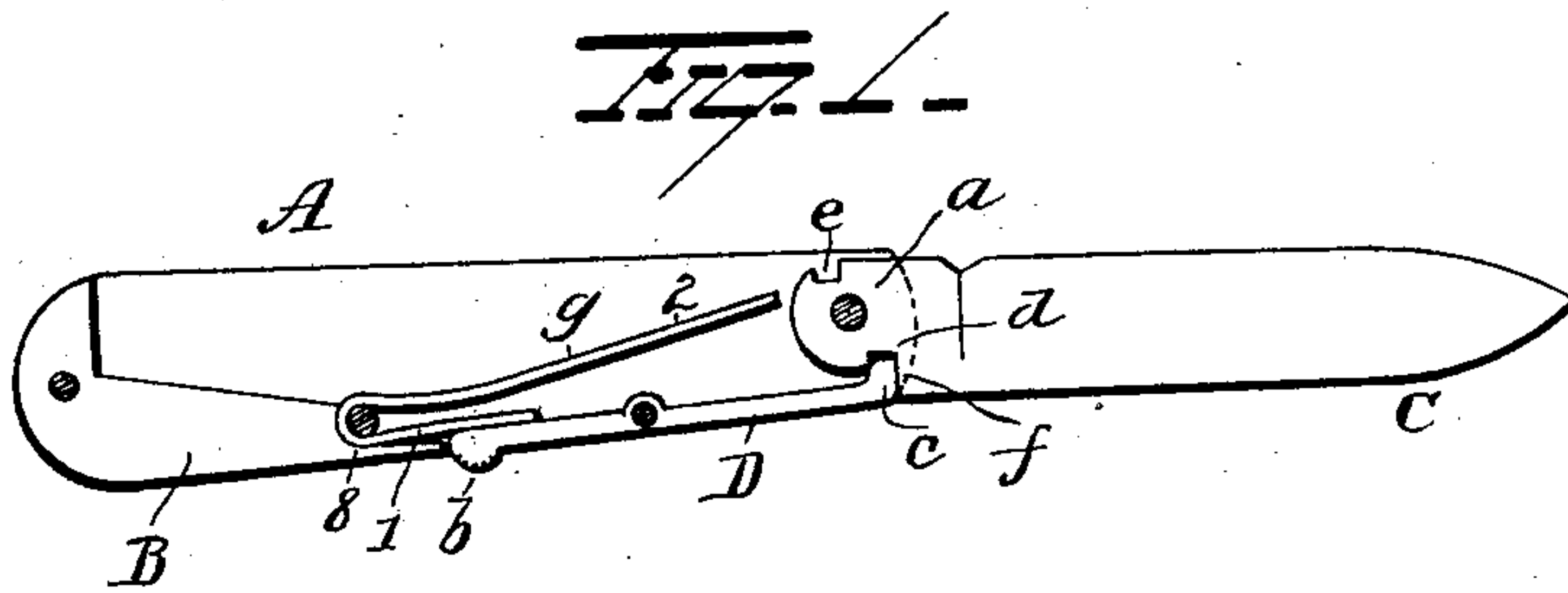


(No Model.)

H. G. JOHNSON.  
POCKET KNIFE.

No. 592,612.

Patented Oct. 26, 1897.



Witnesses

E. J. Nottingham  
G. F. Downing

H. G. Johnson <sup>Inventor</sup>  
By H. A. Seymour <sup>Attorney</sup>

# UNITED STATES PATENT OFFICE.

HANS G. JOHNSON, OF WAUKON, IOWA.

## POCKET-KNIFE.

SPECIFICATION forming part of Letters Patent No. 592,612, dated October 26, 1897.

Application filed October 16, 1896. Serial No. 609,124. (No model.)

*To all whom it may concern:*

Be it known that I, HANS G. JOHNSON, a resident of Waukon, in the county of Allamakee and State of Iowa, have invented certain new and useful Improvements in Pocket-Knives; 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 an improvement in pocket-knives, the object of the invention being to provide simple and efficient means for opening the blades of such a knife.

With this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as hereinafter set forth, and pointed out in the claim.

In the accompanying drawings, Figure 1 is a sectional view of a pocket-knife embodying my invention. Fig. 2 is a similar view showing the blade closed.

A represents one of the side faces of a pocket-knife, and B a short back portion which connects the side faces, the shanks *a* of the blades C being pivotally connected between the ends of the sides A. With a knife-frame such as above described it will be seen that between the sides A and the short back portion B elongated spaces or slots will be left, and in these spaces or slots small levers D are pivotally supported between their ends. One end of each lever D is made with a thumb-piece *b*, and the other end is made with a tooth or hook *c* to enter a notch *d* or *e* in the shank of the knife-blade. In the drawings I have shown one blade open, with the tooth in engagement with the notch *d* and the shoulder *f* formed by said notch bearing against the end of the lever, which thus forms an abutment for the knife-blade when the same is open. The other blade of the knife is shown closed in Fig. 2, with the tooth of the other lever D in the notch *e* of that blade. Thus it will be seen that the lever will serve to maintain the blade locked in either its closed or open position. A spring *g*, one for each blade, is secured to the back portion 8. Each spring *g* is made with two

members 1 2, the member 1 to bear against the lever D, so as to keep the tooth *c* in one or the other of the notches in the shank of the blade, and the member 2 of the spring being made to bear against the blade. Assuming now that the blade is closed within the case or handle of the knife, it will be readily seen that when the lever D is depressed, so as to move the tooth out of the notch in the shank of the blade, the blade will be automatically forced outwardly by the action of the member 2 of the spring and will become automatically locked in its open position by the engagement of the tooth of the lever D with the other notch in the shank of the blade.

It is evident that any desired number of blades may be employed (using one set of devices for each blade) and that various devices—such as button-hooks, saws, nail-trimmers, corkscrews, or other devices—may be substituted for the blades or used in addition thereto.

My improvements are simple in construction, cheap to manufacture, convenient, useful, and effectual in all respects in the performance of their functions.

Various slight changes might be made in the details of construction of my invention without departing from the spirit thereof or limiting its scope, and hence I do not wish to limit myself to the precise details herein set forth.

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

The combination with a knife-handle, and blade having a notch therein, of a lever having a projection adapted to enter the notch and lock the blade, and spring bearing in the direction of the blade and lever and adapted to throw the blade open when an end of the lever is pressed inward.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

HANS G. JOHNSON.

Witnesses:

C. S. STILWELL,  
CALVIN STILWELL.