(No Model.)

W. E. BROCK.

Can-Opener.

No. 228,595. **Patented June 8, 1880.**

Fig. 1.

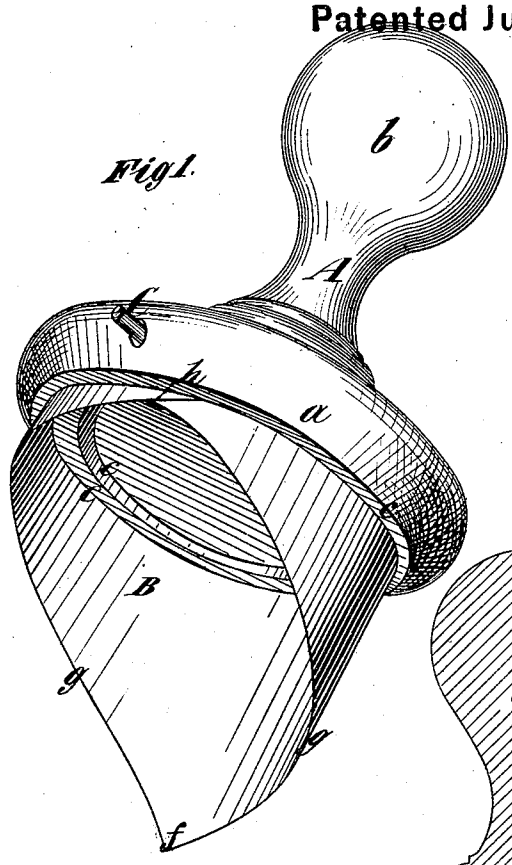


Fig. 2.

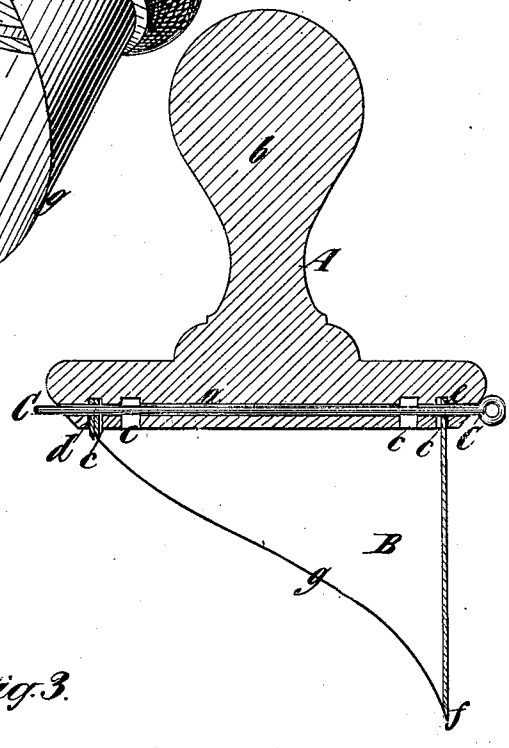
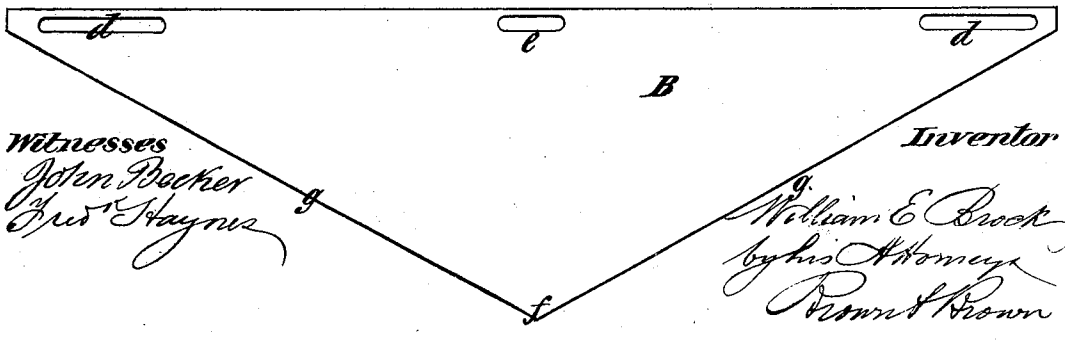


Fig. 3.



Witnesses
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Fred Haynes

Inventor
William E. Brock
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N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

WILLIAM E. BROCK, OF NEW YORK, N. Y., ASSIGNOR OF ONE-HALF OF HIS RIGHT TO ANNA L. BERRIAN, OF SAME PLACE.

CAN-OPENER.

SPECIFICATION forming part of Letters Patent No. 228,595, dated June 8, 1880.

Application filed April 8, 1880. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. BROCK, of the city of New York, in the county and State of New York, have invented certain new and useful Improvements in Can-Openers, of which the following is a specification.

My invention consists in a can-opener composed of a stock having in its face or under side an annular groove, a blade made in the form of a portion of a cylinder inserted into said groove, and having its cutting-edge tapering or inclined backward or rearward obliquely upon each side of a penetrating-point, and a pin inserted through said stock and blade transversely across the groove and serving to secure the blade therein. The said stock is preferably provided with two or more concentric annular grooves, in either one of which the blade, which may be made of a piece of sheet-steel rolled into shape, so as to adapt the instrument for opening cans of different sizes, may be secured.

In the accompanying drawings, Figure 1 represents a perspective view of a can-opener constructed according to my invention. Fig. 2 represents a central longitudinal section thereof, and Fig. 3 represents a plan of the sheet-metal blank which is adapted to be bent into circular form to make the blade.

Similar letters of reference designate corresponding parts in all the figures.

A designates the stock of my can-opener, and B the blade thereof. The stock is here represented as made of wood, and is composed of a circular disk-like portion, *a*, and a handle, *b*.

In the bottom or under side of the disk-like portion *a* are annular grooves *c*. (Here represented as two in number and concentric with each other.)

The blade is detachably secured in the stock, so that it may be inserted in any of the grooves to adapt it for opening cans of various sizes.

The blade B is composed of a piece or blank of sheet-steel, and before it is bent into a cylindric form it is of the shape represented in Fig. 3.

To secure the blade in the stock the piece or blank B is bent into the form of a cylinder, and has its end inserted in one of the grooves *c* and secured by a pin, C, which passes transversely across the disk-like portion *a* and through holes *d e* in the edge of the blade B, thereby securing the blade in place in the groove *c*.

When the blade is bent and secured in the stock it presents the form of a portion of a cylinder, and, as clearly represented in Fig. 1, its cutting-edge is inclined obliquely rearward upon each side of a penetrating or piercing point, *f*.

The instrument is always intended to take out nearly the whole end of a round can, and the diameter of the cylindric blade B should only be a little less than the diameter of the can to be cut.

When it is desired to open a smaller can the blade should be inserted in the groove of less diameter, and to permit of the pin C being inserted through the blade the holes *d* are in the form of elongated slots; but in lieu of these slots the blade might have several holes, so placed that when the blade is inserted in any of the grooves *c* two of said holes will always be coincident.

When it is desired to open a can a slight blow on the handle of the stock will cause the penetrating-point *f* to puncture the tin, and a slight pressure will then cut out the head, the tin being divided readily by the oblique cutting-edges *g*.

The portion of the can-head which comes opposite the point *h*, at which the ends of the blade overlap, may not be divided, and hence such portion constitutes a narrow hinge upon which the head may be turned over.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A can-opener composed of a stock having in its face or under side an annular groove, a slotted blade made in the form of a portion of a cylinder inserted into said groove, and having its cutting-edge tapering or inclined backward or rearward obliquely upon each side of a penetrating-point, and a pin inserted through said stock and slots in the blade transversely across the groove to se-

cure the blade therein, substantially as specified.

2. The can-opener composed of the stock A, provided with two or more concentric grooves, *c*, the blade B, provided with holes *d e*, and the pin C, inserted transversely across the stock and blade, whereby provision is afforded for securing the blade in any one of the said grooves, substantially as specified.

WILLIAM E. BROCK.

Witnesses:
FREDK. HAYNES,
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