

No. 819,455.

PATENTED MAY 1, 1906.

A. P. READ.
CAN OPENER.

APPLICATION FILED JUNE 1, 1906.

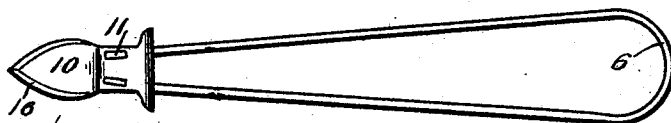


Fig. 1.



Fig. 2.

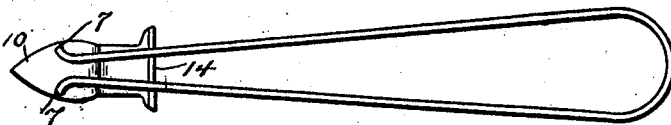


Fig. 3.

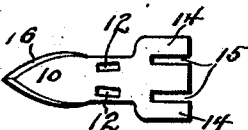


Fig. 4.



Fig. 5.

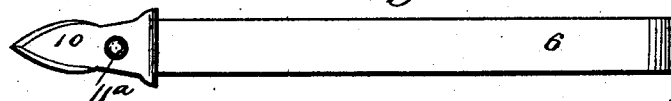


Fig. 6.

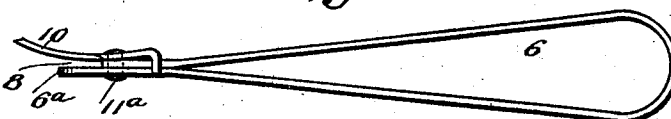


Fig. 7.

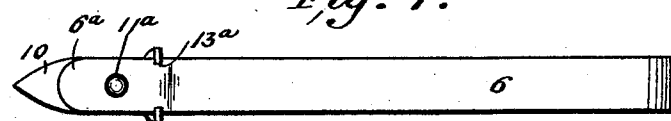


Fig. 8.

Witnesses

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CAN-OPENER.

No. 819,455.

Specification of Letters Patent.

Patented May 1, 1906.

Application filed June 1, 1905. Serial No. 263,245.

To all whom it may concern:

Be it known that I, ALONZO P. READ, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Can-Openers, of which the following is a specification.

This invention is a can-opener; and the object of the invention is to provide an efficient can-opener of cheap and simple construction.

It comprises a handle formed of one piece and a blade formed of another piece of metal, the two pieces being riveted together to form the implement.

The device has a double cutting edge and will cut in either direction, and it may be stamped out of sheet metal at small cost.

In the accompanying drawings, Figure 1 is a face view of the device. Fig. 2 is a side view. Fig. 3 is a back view. Figs. 4 and 5 are plan views of the blanks of which the blade and the handle are formed. Figs. 6, 7, and 8 are respectively front, side, and back views of a modification.

Referring specifically to the drawings, the handle is indicated at 6, made of a strip of metal of sufficient width and thickness to give the necessary rigidity. These dimensions need not be great, because the strip is doubled to produce rigidity. The strip is folded or looped, as shown in Figs. 1 and 3, and the ends terminate in prongs 7, which are slightly flared, as shown in Fig. 3, to give a good grip on the edge of the can, which edge fits in a recess 8 between the prongs and the blade. At the back of the prong is a seat 9, to which the blade 10 is fixed by riveting-lugs 11, which extend through holes 12, formed in the shank of the blade. Behind the seat the ends of the handle are notched, as at 13, to receive the inturned flange 14 at the heel of the blade. The flange is also notched, as at 15, to receive the handle-strip, the parts being halved over each other at the notches, so that they are both held against movement, and the lateral strain on the blade during the cutting operation is supported. The blade is beveled to a point and on both edges, as shown at 16, with the cutting edge next to the recess 8.

In use the point of the blade is punched

through the top of the can beside the edge, which edge enters into the space 8, and the tool can then be worked around the said edge to open and remove the top. The prongs 7 confine the blade to the edge of the top. It will be noticed that the blade is curved or dished, so that the cutting edge of the blade may be brought close to the side wall of the can, which will allow the top of the can to be cut out cleanly close to the side.

In the modified form shown in Figs. 6, 7, and 8 the blade instead of being attached to the edges of the folded strip at the ends thereof is attached to the flat side thereof, one of the strips being extended beyond the other, as indicated at 6^a, to form the recess 8 under the blade. The blade and the ends of the strip are fastened together by a rivet 11^a, and behind the rivet the flange 14 of the blade projects into notches 13^a, formed in opposite edges of both ends of the strip. This construction is also very stout and rigid, because the strain comes crosswise on the handle-strip during the cutting operation.

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

1. A can - opener comprising a handle formed of a folded strip of metal, and a blade which is secured to the ends of the strip and extends in a plane parallel to the length of the handle, the blade having at its rear edge an angular flange, the edges of the ends of the strip and of the flange having notches and being engaged with each other at the notches.

2. A can - opener comprising a handle formed of a flattened and folded strip of metal the ends of which are notched at the edges and provided with a longitudinally-extending prong, and a blade which is secured to said ends and extends lengthwise beyond the same and opposite to the prong, said blade having an inturned flange which fits in said notches.

3. A can - opener comprising a handle formed of a folded strip of metal the ends of which are flattened and have notches and rivet-lugs on one edge thereof and prongs extending longitudinally at the other edge, and a blade consisting of a piece of metal which is seated upon the edge of said ends opposite to

the prongs and is secured thereto by riveting the lugs and has an inturned flange at its inner ends with notches corresponding to the notches in the strip, the flange and ends of the strip being engaged together at the notches.

In testimony whereof I have signed my

name to this specification in the presence of two subscribing witnesses.

ALONZO P. READ.

Witnesses:

SIGNA FELTSKOG,
H. G. BATCHELOR.