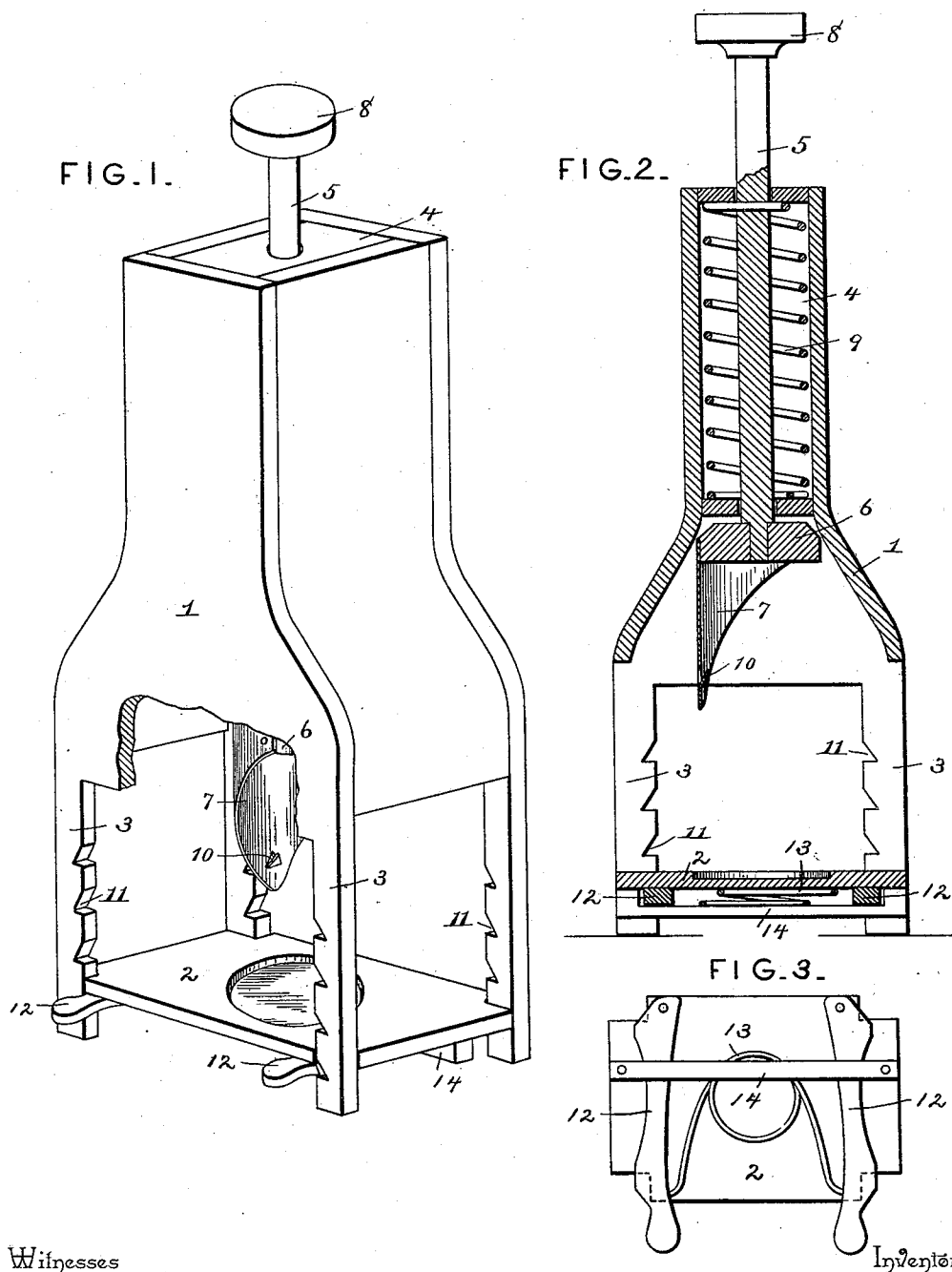


(No Model.)

C. MORGAN.  
CAN OPENER.

No. 479,011.

Patented July 19, 1892.



Witnesses

Harry L. Amer.  
W. H. Riley

By his Attorneys,

Charles Morgan.  
C. A. Snow & Co.

# UNITED STATES PATENT OFFICE.

CHARLES MORGAN, OF LATAH, WASHINGTON.

## CAN-OPENER.

SPECIFICATION forming part of Letters Patent No. 479,011, dated July 19, 1892.

Application filed January 28, 1892. Serial No. 419,569. (No model.)

### *To all whom it may concern:*

Be it known that I, CHARLES MORGAN, a citizen of the United States, residing at Latah, in the county of Spokane and State of Washington, have invented a new and useful Can-Opener, of which the following is a specification.

The invention relates to improvements in can-openers.

10 The object of the present invention is to provide a can-opener which will be simple and inexpensive in construction, and which will be adapted to operate readily on various sizes of cans, and by which the top of a can  
15 may be readily removed.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed  
20 out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a can-opener constructed in accordance with this invention. Fig. 2 is a vertical sectional view. Fig. 3 is a reverse plan view  
25 of the adjustable base.

Like numerals of reference indicate corresponding parts in all the figures of the drawings.

1 designates a frame comprising a base 2, standards 3, and an upper casing 4, which is supported by standards and in which is mounted a vertically-reciprocating plunger 5. The plunger 5 is provided at its lower end with an enlargement or head 6, which carries a blade  
35 7, and it is provided at its upper end with a knob 8, and it is normally held elevated by a spiral spring 9, which is arranged within the casing. The blade 7 tapers to a point and is driven into the top of the can by depressing  
40 the plunger against the action of the spring, the can being rotated to make a continuous cut. The spring elevates the plunger after each stroke, and the blade is provided with means for preventing the head of the can being forced inward. The blade is provided  
45 near its point with an integral spring 10, which is approximately V-shaped and is formed by cutting the metal of the blade and bending the cut portion outward, as shown.  
50 After the blade has been driven by the plunger into the top of the can and the latter is partially cut the spring 10 on the upward stroke of the plunger will engage the severed por-

tions of the top of the can and lift the same out of the can. The base is vertically adjustable to suit different sizes of cans and is provided with a circular recess to receive the lower end of the can.

The standards are provided at their inner corners with notches 11, adapted to be engaged by spring-actuated levers 12, arranged on the lower face of the base 2, whereby the base is detachably connected to the standards and is adapted to be adjusted vertically to suit the size of a can. The levers 12 are held in engagement with the notches by a spring 13, and they are guided by a keeper 14. By this construction the top of a can may be readily and quickly removed without liability of cutting the operator.

What I claim is—

1. In a can-opener, the combination of a frame having standards provided with notches, a vertically-reciprocating plunger mounted in the frame and carrying a blade, an adjustable base supported by the standards, and spring-actuated levers mounted on the lower face of the base and arranged to engage the notches, substantially as described.

2. In a can-opener, the combination of a frame having a vertical casing, a plunger mounted for vertical reciprocation in the casing, a blade secured to the lower end of the plunger, and a spiral spring disposed on the plunger and arranged within the casing and holding the plunger elevated, substantially as described.

3. In a can-opener, a blade provided with a spring-lip formed by slitting the body of the blade and adapted to engage the lower face of the cut portion of a can to lift the same out of the can, substantially as described.

4. In a can-opener, the combination of a frame having standards, a vertically-reciprocating plunger mounted in the frame and carrying a blade, and a vertically-adjustable base supported by the standards, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

CHARLES MORGAN.

Witnesses:

F. D. TOMLINSON,  
W. M. TOZIER.