

(No Model.)

H. E. KELLEY.
ANIMAL TRAP.

No. 411,247.

Patented Sept. 17, 1889.

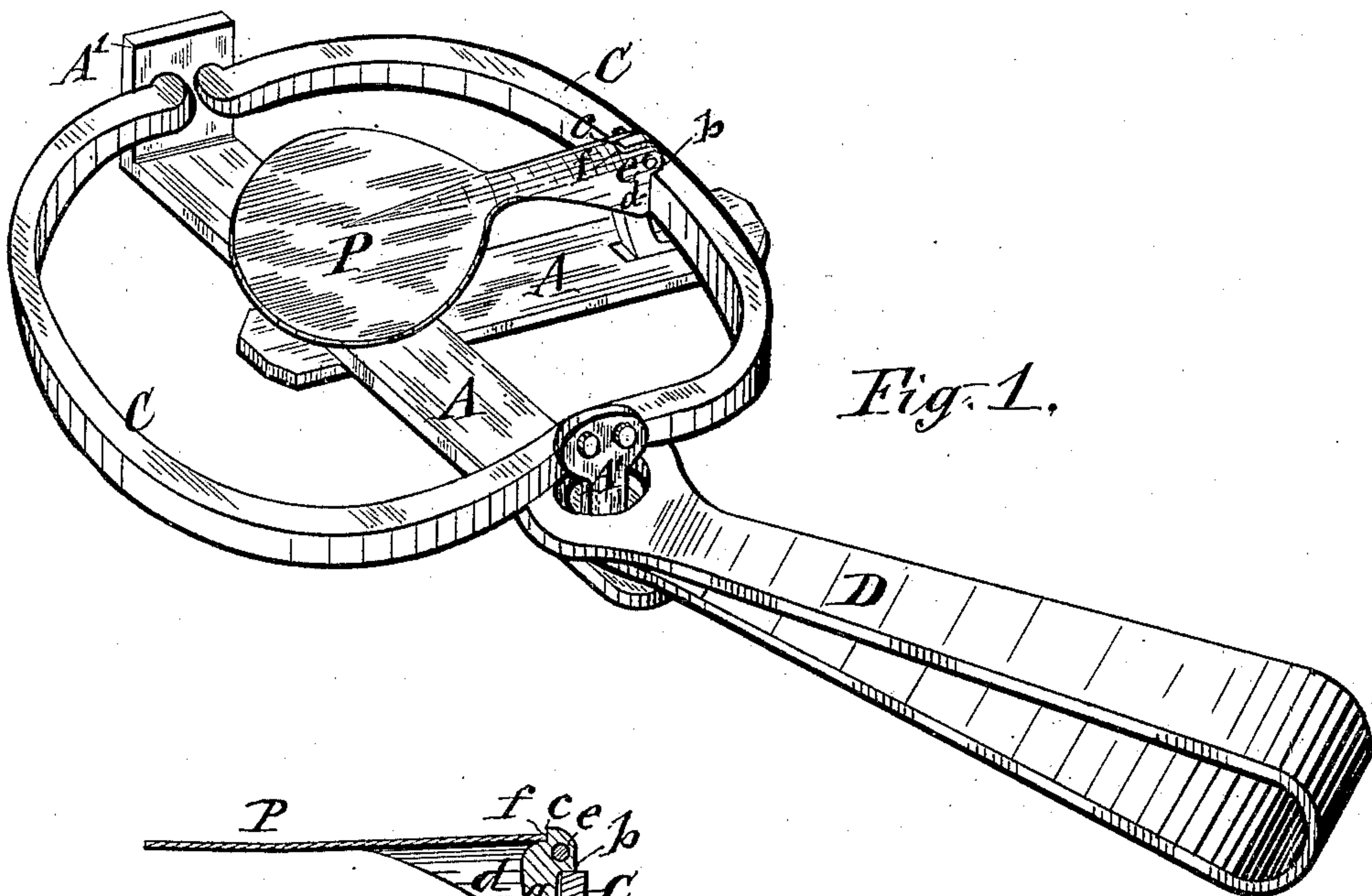


Fig. 1.

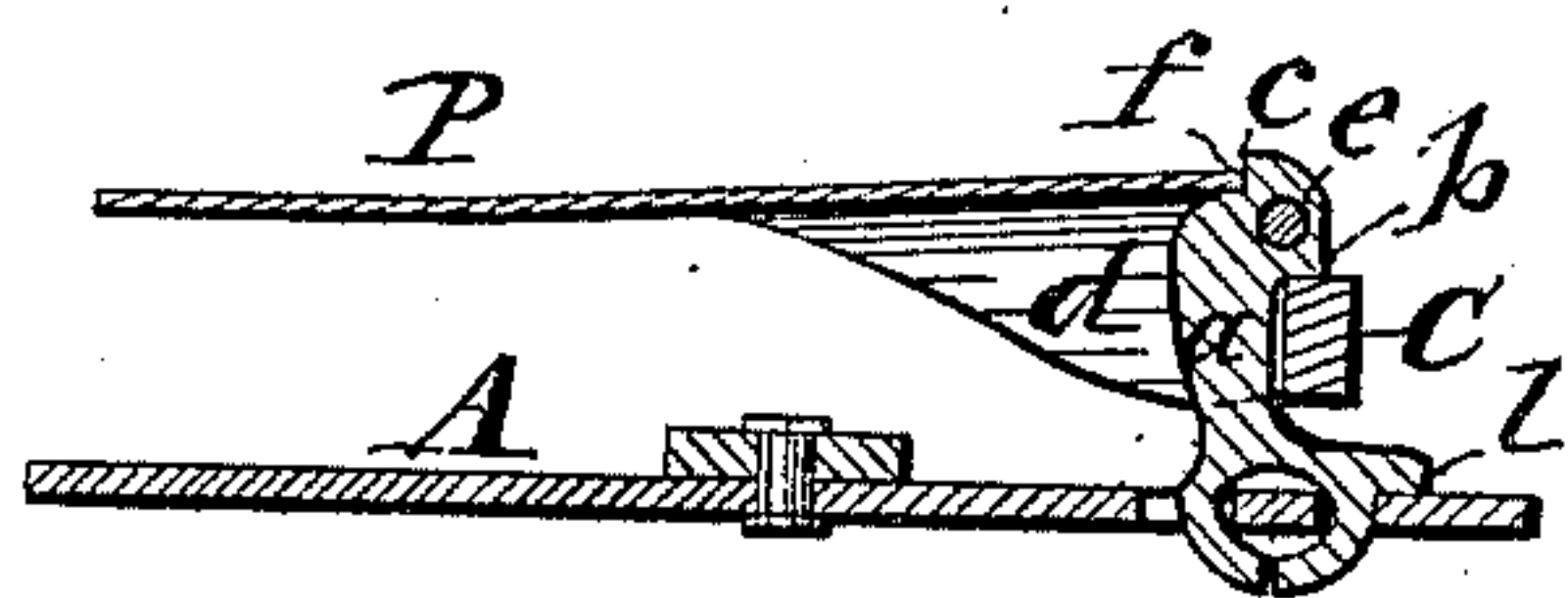


Fig. 3.

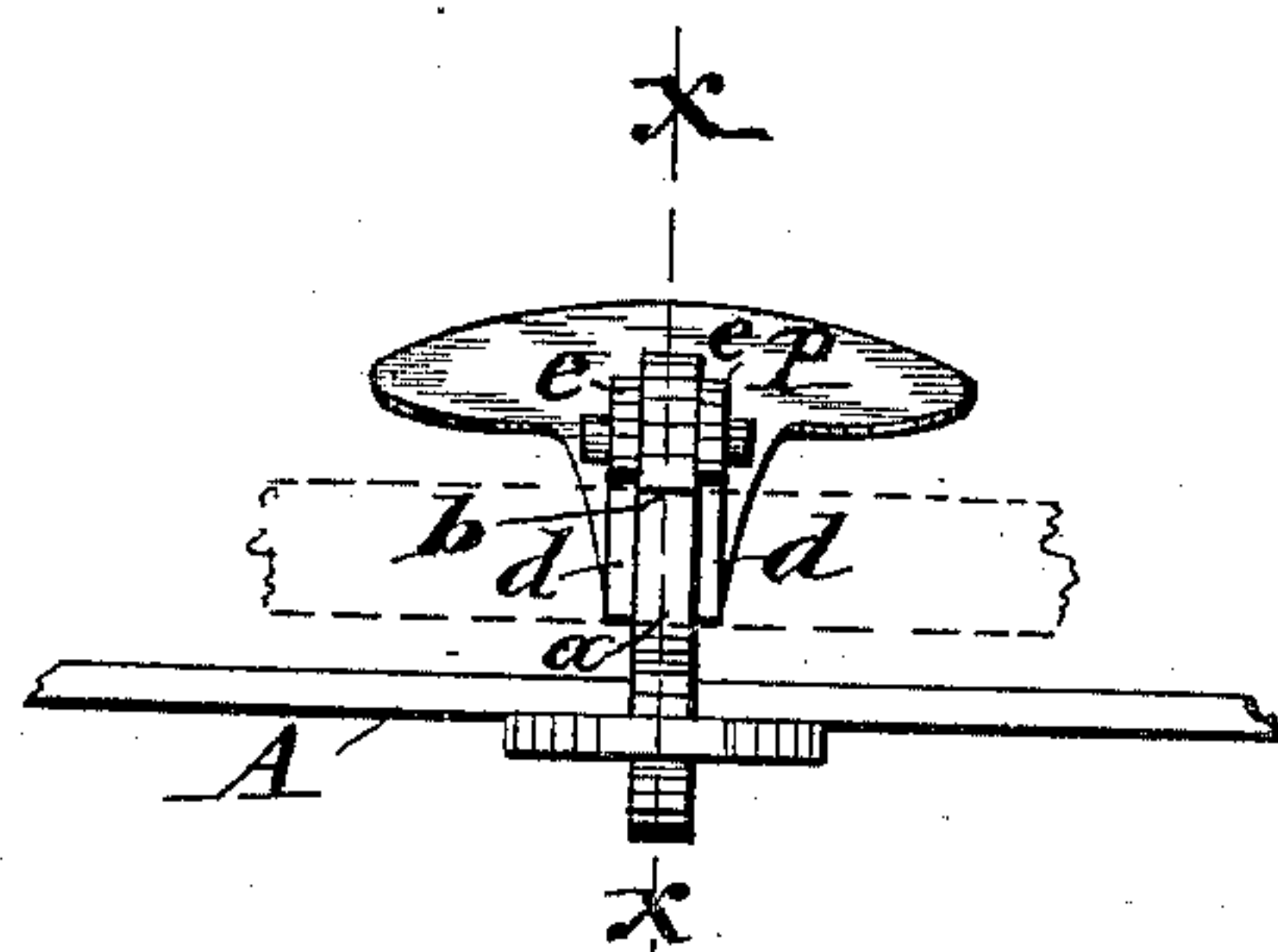


Fig. 2.

WITNESSES:

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BY

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UNITED STATES PATENT OFFICE.

HARRY EUGENE KELLEY, OF NIAGARA FALLS, ASSIGNOR TO THE ONEIDA COMMUNITY, (LIMITED,) OF COMMUNITY, NEW YORK.

ANIMAL-TRAP.

SPECIFICATION forming part of Letters Patent No. 411,247, dated September 17, 1889.

Application filed February 23, 1889. Serial No. 300,964. (No model.)

To all whom it may concern:

Be it known that I, HARRY EUGENE KELLEY, of Niagara Falls, in the county of Niagara, in the State of New York, have invented
5 new and useful Improvements in Animal-Traps, of which the following, taken in connection with the accompanying drawings, is a full, clear, and exact description.

This invention relates to the class of animal-traps in which spring-actuated jaws are tripped from their set position by means of the bait-pan; and the invention consists in an improved construction and combination of parts, as hereinafter fully described, and specifically set forth in the claims.
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In the annexed drawings, Figure 1 is a perspective view of an animal-trap embodying my improvements. Fig. 2 is an outer end view of the bait-pan and its supporting-post; and
20 Fig. 3 is a transverse section on line *xx*, Fig. 2.

Similar letters of reference indicate corresponding parts.

A represents the base of the trap, which is provided with posts *A' A'*, to which the jaws
25 C C are hinged in the usual manner.

D denotes the spring which actuates the said jaws. To a suitable part of the base A is hinged a post *a* in such a manner as to cause said post to stand at the inner side of one of the jaws and allow it to oscillate toward and
30 from said jaw. The head of said post is formed with an outwardly-projecting hook or catch *b*, by which it is adapted to engage and hold the jaw C in its set position, and in order to allow said catch to retain its hold on the jaw I pivot the post to the base A at a point directly under the jaw, as shown in Fig. 3 of the drawings. The head of the post *a* is perforated and formed with a shoulder *c*, and on said
40 head is hinged the bait-pan P, which is formed with perforated ears *e e*, embracing the head of the post and connected thereto by a pin passing through the perforations. Between the said ears the bait-pan is formed with an abutment *f*, which in raising the bait-pan encounters the shoulder *c* and causes the post *a* to be swung outward, or toward the jaw C, so as to allow the catch *b* to engage said jaw when in its set position. The hinged end of the bait-pan
45 is formed with downwardly-extending heels

d d, by which the bait-pan bears on the inner side of the jaw C when in its set position, and this supports the bait-pan P in its raised position. A downward pressure on the bait-pan causes the heels *d d* to press against the inner
55 side of the jaw C, and thereby crowd the head of the post inward, or away from the jaw, until the catch *b* releases said jaw and thus springs the trap.

It will be observed that in my improved
60 trap the bait-pan constitutes a lever which is fulcrumed on an oscillatory post holding the jaw in its set position, which lever has one end bearing on the side of the jaw adjacent to the post, and thereby throws the post out of en-
65 gagement with the jaw.

In order to limit the movement of the bait-pan to the point at which the catch *b* is to engage the jaw C, I form the base of the post *a* with a suitable stop *l*, preferably of the form
70 of a tongue projecting outward from the post and bearing on top of the base A.

My improved trap is set with the greatest facility by simply opening the jaws to their set position and lifting the bait-pan, which latter
75 movement causes the catch *b* to engage and retain one of the jaws, as illustrated in Fig. 1 of the drawings.

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

1. In combination with the trap-base and spring-actuated jaws, a post connected to the base and oscillatory thereon and provided with a catch adapted to engage one of the
85 jaws, and a lever fulcrumed on the said post and adapted to throw the post from the engaged jaw, as set forth.

2. In combination with the trap-base and spring-actuated jaws, a post hinged to the
90 base at a point directly under one of the jaws when in its set position and provided with a catch adapted to hold said jaw in said position, and a lever hinged to the said post and having one end bearing on the engaged jaw
95 at the side adjacent to the post, as set forth.

3. In combination with the base A and jaw C, the post *a*, hinged to the base at a point directly under said jaw when in its set position and formed with the catch *b* and shoulder *c*,
100

and the bait-pan formed with ears *ee*, hinged to and embracing the post, heels *d d* at opposite sides of the post, and abutment *f* between the ears, substantially as described and shown.

5 4. In combination with the trap-base and spring-actuated jaws, the post *a*, hinged to the base and standing at the inner side of the jaw and formed with a catch adapted to hold the jaw in its set position, and with a stop to
10 limit the outward movement of said post, and the bait-pan fulcrumed on said post and adapted to throw the same out of its engagement with the jaw, as set forth.

15 5. In combination with the trap-base and spring-actuated jaws, the post *a*, hinged to the

base and standing at the inner side of one of the jaws when in its set position and formed with the stop *l*, catch *b*, and shoulder *c*, and the bait-pan *P*, formed with perforated ears *e e*, embracing the head of the post and hinged
20 thereto, the heels *d d*, adapted to bear on the inner side of the aforesaid jaw, and the abutment *f* on the bait-pan between the aforesaid ears, substantially as described and shown.

In testimony whereof I have hereunto signed
25 my name this 18th day of February, 1889.

HARRY EUGENE KELLEY. [L. s.]

Witnesses:

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FRED I. PIERCE.