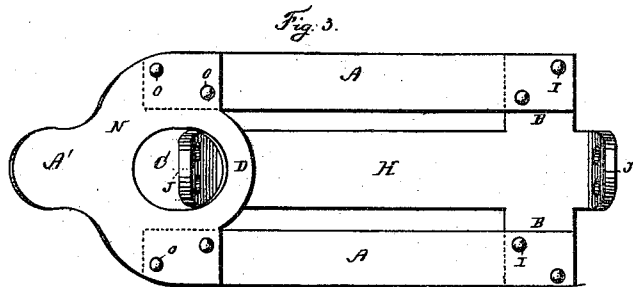
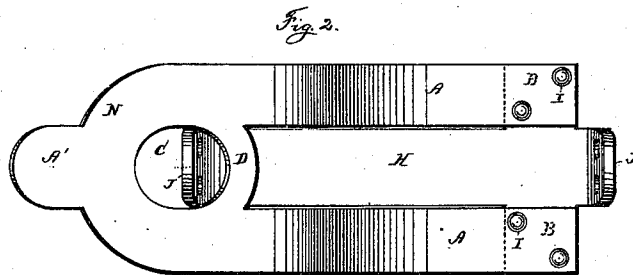
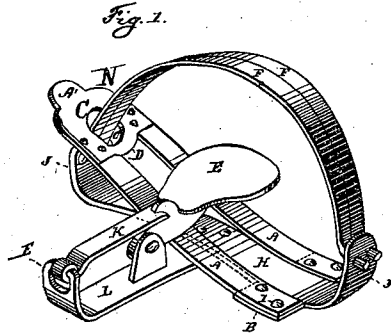


C. W. SALADEE.
ANIMAL-TRAP.

No. 173.347.

Patented Feb. 8, 1876.



WITNESSES:

Harold. Lantieri.
Abby. C. Saladee.

INVENTOR:

C. W. Saladee

UNITED STATES PATENT OFFICE.

CYRUS W. SALADEE, OF WASHINGTON, DISTRICT OF COLUMBIA, ASSIGNOR
OF ONE-HALF HIS RIGHT TO L. DOBBINS, OF ERIE, PENNSYLVANIA.

IMPROVEMENT IN ANIMAL-TRAPS.

Specification forming part of Letters Patent No. **173,347**, dated February 8, 1876; application filed
December 18, 1875.

CASE A.

To all whom it may concern:

Be it known that I, CYRUS W. SALADEE, of Washington city, in the District of Columbia, have invented certain Improvements in Animal-Traps, of which the following is a specification embodying my said invention:

To enable others skilled in the art to make and use my invention I herewith submit the following general description.

I have improved the animal-trap in the particular of providing the bed-plate with a cross head adapted to receive and support two independent springs in parallel positions with said bed-plate, whereby each spring exerts a separate and distinct force upon the jaws, and thereby gives them a stronger gripe and more positive action than can be produced by a single spring-plate with a central opening or stamped-out center, and at a greatly less cost than such springs.

The second part of my invention consists in the employment of a "spring-head" stamped from sheet metal and riveted to the outer ends of the two springs, by which means I am enabled to use straight strips of steel cut off of the requisite lengths, riveting one end of each to the cross head of the bed-plate, and the other to said spring-head, thus making a saving in the use of steel as compared with the other method, hereinafter described, of stamping the springs and the spring-head from a single piece of sheet-steel.

In the drawings, Figure 1 is a perspective view of a trap on the plan of my invention. Fig. 2 is a plan view of the springs and bed-plate, with the ends of the springs riveted to the cross-head, and the other ends of the springs united and forming the spring-head, with the opening for the reception of the jaws of the trap. Fig. 3 is a plan view of the same parts seen in Fig. 2, showing the spring-head separately formed and attached to the springs by means of rivets.

A A are the two separate springs, with or without the spring-head N stamped out as part of the same. B B is the cross-head stamped out as part of the bed-plate H. C is the opening in the spring-head N for the reception of one end of the jaws of the trap. D is a cross-bar of the spring-head, formed around the one side of the opening C. E is

the "foot-plate" or bait-pan of the trap. F F are the jaws. H is the bed-plate. I represent the rivets securing the ends of the springs to the cross-head B B. J J represent the ends of the bed-plate H turned up and pierced with holes to receive the ends of the jaws F. K is the "trigger." L is the center cross-bar secured to the bed-plate. The bed-plate H is provided with a cross-head, B B, either by riveting thereto or stamping out as part of the same, as is clearly seen in the drawings.

The bed-plate H, cross-head B B, and turned-up ends J J may all be cast in one piece, of malleable iron; but I prefer to stamp them complete in one piece from sheet-steel, and strike them into shape with appropriate dies. The springs A A, as shown in Figs. 1 and 2, are stamped from sheet-steel, and the spring-head N A', having the opening C, and the cross-bar D form a part of the same; but in the modification shown in Fig. 3 the springs A A are simply two straight pieces of spring-steel, about five-eighths of an inch wide, and having one end of each riveted to the cross-head B, and the other end to the separate spring-head N, the latter being stamped from sheet metal, in form as clearly indicated in Fig. 3.

It will be observed that these two main-springs A A of the trap are secured and operated on each side of the bed-plate H by riveting their ends to the cross-head B. By this distribution of the steel into two springs, A A, a spring-power is had within the limited space prescribed, which cannot be secured by a single spring riveted to the top of the bed-plate H, as has heretofore been the common practice in the manufacture of steel-traps.

I claim—

1. The bed-plate H, provided with the cross-head B B, in combination with the independent springs A A, riveted separately thereto, in the manner shown and described.

2. The separate spring-head N, in combination with the springs A A and the jaws of the trap, substantially as and for the purpose set forth.

CYRUS W. SALADEE.

Witnesses:

HERM. LAUTEN,
ABBY C. SALADEE.