



# UNITED STATES PATENT OFFICE.

GEORGE W. KELLEY, OF SPRINGFIELD, OHIO.

## IMPROVEMENT IN ANIMAL-TRAPS.

Specification forming part of Letters Patent No. 184,386, dated November 14, 1876; application filed June 23, 1876.

*To all whom it may concern:*

Be it known that I, GEO. W. KELLEY, of Springfield, in the county of Clarke and State of Ohio, have invented certain new and useful Improvements in Animal-Traps, of which the following is a specification:

My invention consists in the construction and arrangement of an animal-trap, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, which forms a part of this specification, and in which—

Figure 1 is a perspective view with part of the top removed. Fig. 2 is a sectional view.

A represents the box, which is, by a longitudinal partition, B, divided into two compartments, A<sup>1</sup> and A<sup>2</sup>. The compartment A<sup>1</sup> is provided with a grating, *a*, on top, and at each end it has a sliding door, C, moving at the top on a rod, *b*, and at the bottom in a guide, *d*, as shown. The doors C C are, by rods *e e*, connected with cranks D D upon the ends of a shaft, E, which passes longitudinally through the compartment A<sup>2</sup>. At one end of the shaft E is a coil-spring, *h*, for operating the shaft and opening and closing the doors C C. From the shaft E project two arms, *i i'*, in opposite directions, which arms are to engage with, or be caught upon, shoulders on the pivoted ends of two levers, G G', which are pivoted to ears in the top of the compartment A<sup>2</sup>, and project into the compartment A<sup>1</sup>. The end of the lever G is held by a latch, *k*, projecting from a rocking shaft, *m*, in the compartment A<sup>1</sup>, from which shaft depends the bait-hook *n*. The end of the lever G' is held by a latch, H, made in the form of an elbow-lever and pivoted in the box, one arm of said latch being connected to an arm, *p*, projecting from the upper hinged end of a grating, I. This grating is hinged in an opening made in the partition B, to form communication between the two compartments of the trap, the grating extending into the compartment A<sup>2</sup>, and resting on the bottom thereof. Directly opposite this grating, in the side of the compartment A<sup>2</sup>, is a grating, J, and in said side is also a hinged door, K, held closed by a pin, *s*, as

shown. The two levers G G' being held by their respective latches, the spring *h* is wound up by turning the shaft E by means of one of its cranks, and when the arm *i* on said shaft is allowed to rest against the shoulder *x* on the lever G, the doors C C are open. When an animal now enters the compartment A<sup>1</sup> and attempts to take the bait on the hook *n*, the shaft *m* rocks so as to withdraw the latch *k* from the lever G, and said lever at once yields to the pressure of the arm *i*, caused by the spring *h*, and the shaft E then makes one-half of a revolution, closing the doors C C, and the arm *i'* strikes the shoulder *x'* on the lever G' and stops the shaft. The animal then, seeing it is trapped, will go toward the light—that is, pass into the compartment A<sup>2</sup> by raising the hinged grating I, which immediately falls again, and the animal cannot raise it from that side to pass out. The raising of the grating I withdraws the latch H from the end of the lever G, and allows the shaft E to make another one-half revolution, opening the doors C C, and thus setting the trap again, the arm *i* being then caught by the lever G to hold the trap open. The trapped animals are removed by opening the doors K.

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

1. In an animal-trap, the combination of the compartment A<sup>1</sup>, sliding doors C C, connecting-rods *e e*, shaft E, with cranks D D and arm *i*, the lever G, and rocking shaft *m*, with latch *k* and bait-hook *n*, substantially as and for the purposes herein set forth.

2. The combination of the compartments A<sup>1</sup> A<sup>2</sup>, shaft E, with spring *h*, operating the doors C C, the hinged grating I, pivoted latch H, lever G', and the arm *i'* on the shaft E, all substantially as and for the purposes herein set forth.

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

GEO. W. KELLEY.

Witnesses:

J. B. TRUMBO, Jr.,  
IRWIN TENNANT.