

C. COLE.

Potato-Bug Exterminators.

No. 144,065.

Patented Oct. 28, 1873.

Fig. 1.

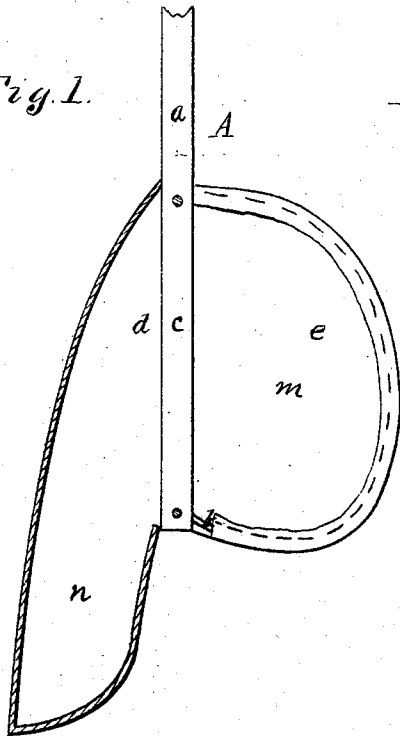


Fig. 2.

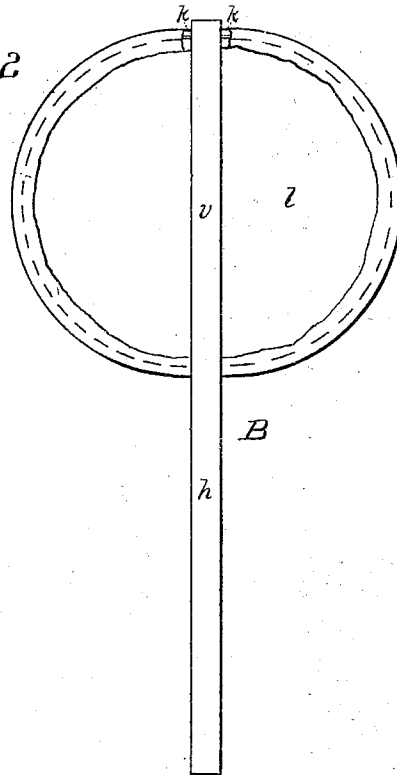


Fig. 3.

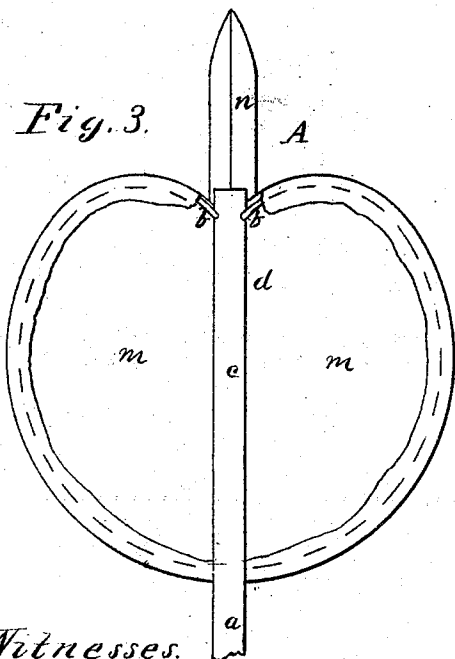
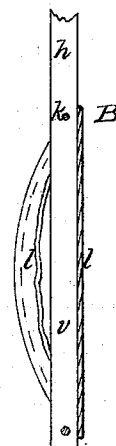


Fig. 4.



Witnesses.
E. H. Bates
Chas. F. Steele

Inventor.
Charles Cole.
Chipman Fossum & Co
Attys

UNITED STATES PATENT OFFICE.

CHARLES COLE, OF CHATFIELD, MINNESOTA.

IMPROVEMENT IN POTATO-BUG EXTERMINATORS.

Specification forming part of Letters Patent No. 144,065, dated October 28, 1873; application filed March 22, 1873.

To all whom it may concern:

Be it known that I, CHARLES COLE, of Chatfield, in the county of Fillmore and State of Minnesota, have invented a new and valuable Improvement in Potato-Bug Exterminators; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of my catching-instrument. Fig. 2 is a view of my "fan" or "knocker." Fig. 3 is a view of my catching-instrument, and Fig. 4 of my knocker.

This invention has relation to means for catching potato-bugs and other wingless insects; and it consists in the construction and novel arrangement of the narrow tapering bag, expanding at its throat into two wide wings, distended on a hoop attached to a handle extended across the hoop over the throat, thus forming a receptacle for the bugs, into which they may readily be knocked, but out of which they cannot easily crawl, as hereinafter described.

In the accompanying drawings, the letter A designates the catching-instrument. This consists of a handle or rod of wood, *a*, having secured to it near the end a hoop, *b*, of wire or willow. The handle is secured to the hoop in such a manner as to pass diametrically across it at *c*, thereby holding in the hoop *b* at its end in a sort of forked shape. A cloth bag, *d*, is secured to the hoop at its mouth *e*, so as to ex-

pand the same into two wings, *m m*, which receive the bugs as they fall, and conduct the same into the pocket *n*, which is constricted in form, and lies back of the rod *c* in such a manner that its throat is partially closed thereby. This formation of the bag and its arrangement with reference to the rod prevents the bugs from escaping out of it. The bugs are knocked out of the plants or bushes, without injuring the latter, by means of the fan-shaped instrument B. This consists of a rod or handle, *h*, to the end of which is secured a hoop, *k*, of wire or willow, across which is stretched the cloth *l*, which is securely sewed by its edge to the hoop. The strength of the fan is increased by extending the rod across the hoop, as at *v*. It also, in this manner, receives a slight concave form, which assists its effective operation.

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

The narrow constricted cloth pocket *n*, expanding at its throat into two flaring wings, *m*, distended on a hoop, *b*, attached to a handle, *a*, extended across over the throat of the pocket, and holding in the hoop at its end to give a forked shape to the wings, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLES COLE.

Witnesses:

J. S. SAWYER,
R. A. CASE.