

W. GRAFTON.
Ant-Destroying Apparatus.

No. 166,093.

Patented July 27, 1875.

Fig. 1.

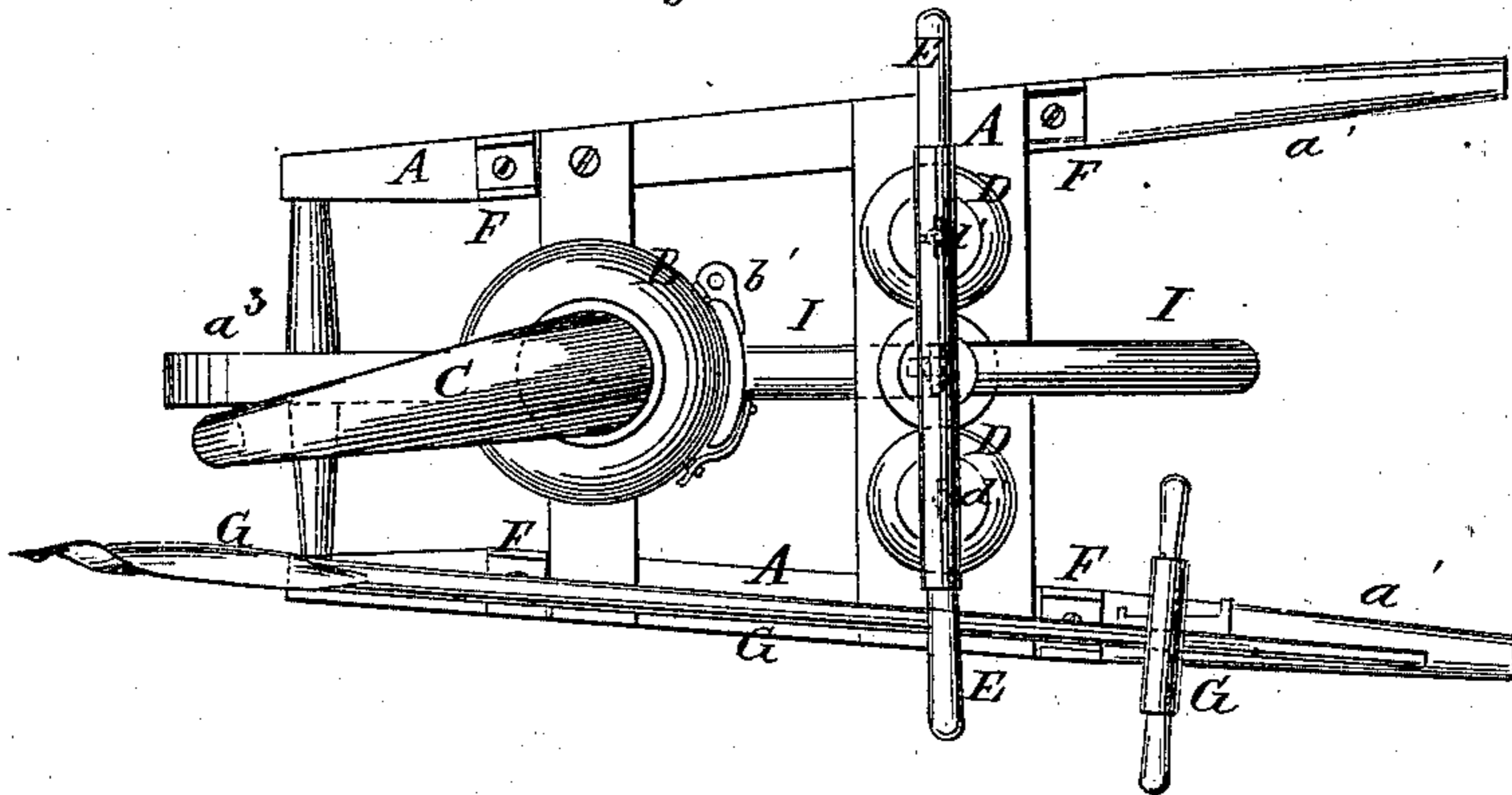
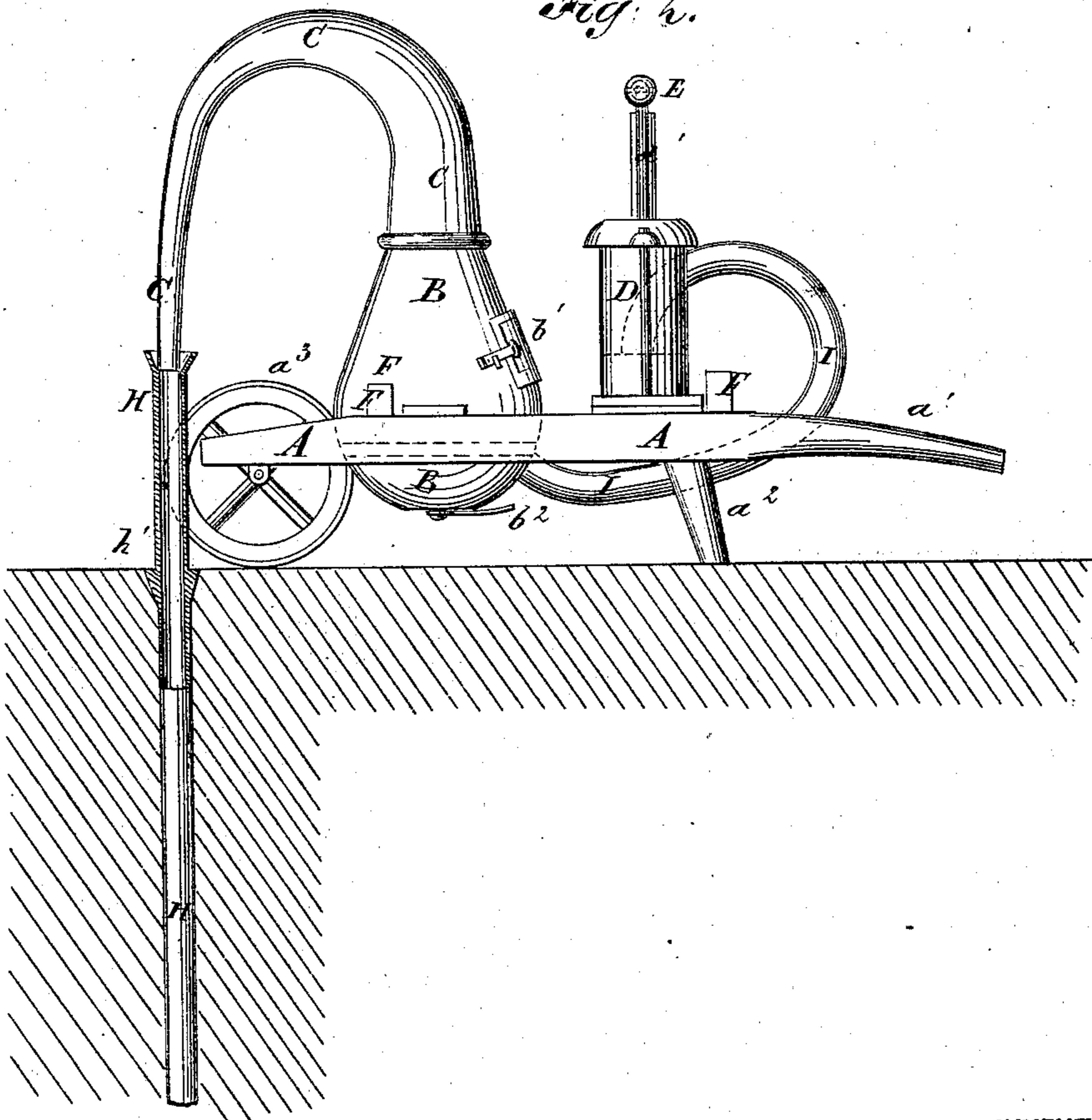


Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM GRAFTON, OF CLINTON, TEXAS.

IMPROVEMENT IN ANT-DESTROYING APPARATUS.

Specification forming part of Letters Patent No. **166,093**, dated July 27, 1875; application filed March 20, 1875.

To all whom it may concern:

Be it known that I, WILLIAM GRAFTON, of Clinton, De Witt county, Texas, have invented a new and Improved Apparatus for Destroying Ants, of which the following is a specification:

Figure 1 is a top view of my improved apparatus and Fig. 2 is a side view of the same.

Similar letters of reference indicate corresponding parts.

The invention will first be described in connection with drawing and then pointed out in the claim.

A represents a frame, which is provided with handles a^1 , legs a^2 , and a wheel, a^3 , in the manner of a wheelbarrow, and which may in fact be the frame-work of a wheelbarrow. To the frame A, a little in the rear of the wheel a^3 , is secured a furnace, B. To the top of the furnace B is attached a tapering pipe, C, which curves rearward and downward, and terminates a little at one side of the forward part of the wheel a^3 . In the rear side of the furnace B is formed a door, b^1 , for the insertion of fuel and poison for destroying the ants. In the bottom of the furnace B are formed draft-holes to admit air to keep the fire alive when moving from place to place, and when the apparatus is standing still, which draft-holes are closed by a damper, b^2 , when the apparatus is in use. To the frame A, a little in the rear of the furnace B, are attached two pumps, D, for forcing air through the furnace B when the apparatus is in use, to support combustion and force the fumes out through the curved pipe C, the air passing from the pumps D to the furnace B through the pipe I. The piston-rods d^1 of the two pumps D

are pivoted to a lever, E, which is pivoted at its center to a standard of the frame that supports the pumps D in position. The ends of the lever E project so that it may be worked from either side of the frame A, or by two operators at the same time, one standing upon each side of the frame A. To each side-bar of the frame A are attached two U-brackets, F, one pair being designed to receive and carry the auger G, and the other pair to receive and carry the pipe H. The auger G is designed to be used for opening a hole into the great or main cell of the ant-nest, into which hole the pipe H is inserted. The end of the curved pipe C is then inserted in the upper end of the pipe H, and the apparatus is operated to force the fumes from the furnace B through the pipes C and H into the ant-nest, and thus destroy the ants. The pipe H is provided with a funnel-shaped upper end for convenience in inserting the end of the pipe C. The pipe H is also provided with a flange, h' , at a suitable distance from its upper end to prevent it from entering the ground too far.

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

The combination of furnace B, having pipe C and air-pumps D, provided with hand-lever E and pipe I, all arranged on hand-barrow, with the earth-tube H, as and for the purpose specified.

WILLIAM GRAFTON.

Witnesses:

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J. J. COCKE.