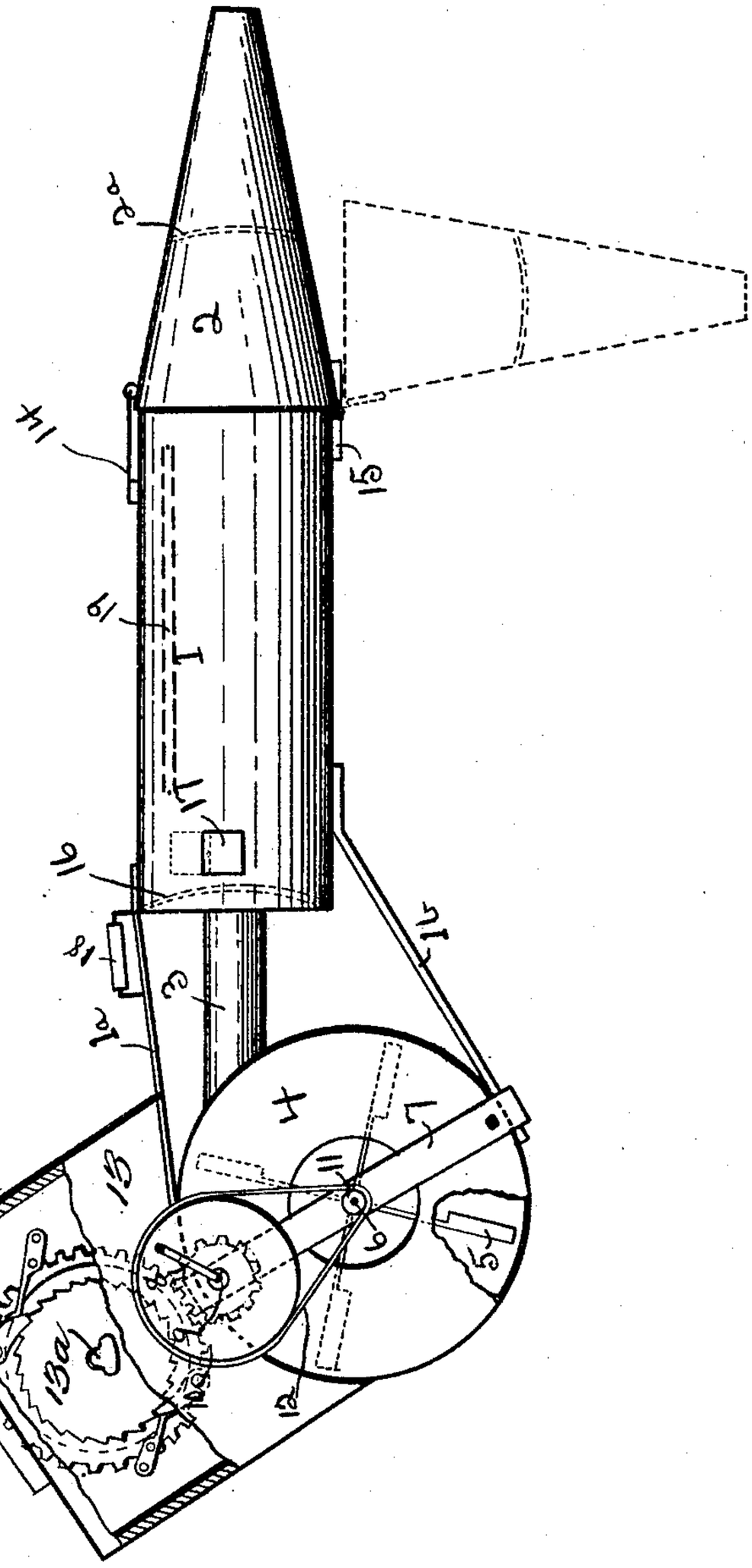
No. 756,370. PATENTED APR. 5, 1904.

G. R. JACK.

RODENT KILLING MACHINE.

APPLICATION FILED JULY 11, 1903.

NO MODEL.



Witnesses
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No. 756,370. Patented April 5, 1904.

UNITED STATES PATENT OFFICE.

GEORGE R. JACK, OF LOCKEFORD, CALIFORNIA.

RODENT-KILLING MACHINE.

SPECIFICATION forming part of Letters Patent No. 756,370, dated April 5, 1904.

Application filed July 11, 1903. Serial No. 165,120. (No model.)

To all whom it may concern:

Be it known that I, GEORGE R. JACK, a citizen of the United States, residing at Lockeford, in the county of San Joaquin, State of California, have invented certain new and useful Improvements in Rodent-Killing Machines; and I declare the following to be a full, clear, and exact description, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to the figures of reference marked thereon, which forms a part of this specification.

My invention consists in a certain construction of a hand-machine for discharging smoke into the ground-nests of squirrels and other rodents infesting grain-fields.

To more fully explain my invention, reference is had to the accompanying drawing, forming a part of this specification, in which the figure is a horizontal side view partly in perspective.

1 represents a barrel or cylinder for containing the fire material and sulfur, which cylinder is provided with a door 17, through which the material is ignited.

2 is a nose or discharger flexibly attached to the cylinder 1 by a hinge 14. The cylinder 1 is attached to an air-drum 4 by supporting-arms 1^a and 1^b, the cylinder 1 and drum 4 being directly connected by an air-pipe 3.

Within the drum 4 are fans 5 upon a shaft 6, seated in a standard 7 outside the drum 4. 8 is the handle of a rotating shaft 9, seated at the upper part of the standard 7. Upon the shaft 9 is a driving-pulley 10, connected by a driving-belt 12 with an actuating-pulley 11 upon the shaft 6.

The above detail of parts and mechanism covers operating my machine by hand. I have, however, provided a device for operating the same, consisting of any desired style of spring mechanism, which may be contained in a box or case 13, attached at the top of the drum 4 and designed to be connected with the rotary shaft 9 and after being wound up by the key 13^a set in motion.

Within the nose 2 is a fender-bar 2^a, (shown by dotted line,) which prevents the escape of the material when being consumed. 16 is a blast-divider (shown by dotted lines) within the cylinder 1 near the mouth of the air-pipe 3.

19 is a channel (shown by dotted lines) within the cylinder 1 parallel with its surface and serving to concentrate and conduct the blast of air to the nose 2.

18 is a handle attached to the supporting-arm 1^a for the purpose of convenient carriage.

To operate the machine, straw and sulfur are placed within the cylinder 1 at its mouth, the nose 2 being dropped for the purpose and when the cylinder is loaded restored to a working position by means of the hinge 14. The nose 2 is then tightly inserted in the hole of the rodent, fire applied to the straw through the door 17, and the fans set in motion either by the handle 8 or the spring mechanism 13, forcing the air through the pipe 3 into the cylinder 1, where, mingling with the smoke of the burning straw and sulfur, it is forced into the nests of the rodents and accomplishes its purpose of suffocating its inmates.

Having thus described my invention, what I claim as new is—

A device of the type set forth comprising a barrel provided with a nose, a drum, a pair of supporting-arms secured to said barrel and drum respectively, a casing attached to the top of the drum, a standard secured to the side of the drum, a fan in said drum having its shaft projecting through said standard, a pulley on the end of said shaft, a shaft journaled in the upper end of said standard, a driving-pulley on said shaft, a belt passing over both of said pulleys, a handle on said last-named shaft, means arranged in said casing for imparting movement to said driving-pulley, and an air-pipe leading from said drum to said barrel.

In testimony whereof I affix my signature in presence of two witnesses.

GEORGE R. JACK.

Witnesses:

JOSHUA B. WEBSTER,

CORA SPERRY.