No. 739,221. PATENTED SEPT. 15, 1903.

F. REINLEIN.

GASOLENE TORCH.

APPLICATION FILED JUNE 11, 1902.

NO MODEL.

Fig. 1.

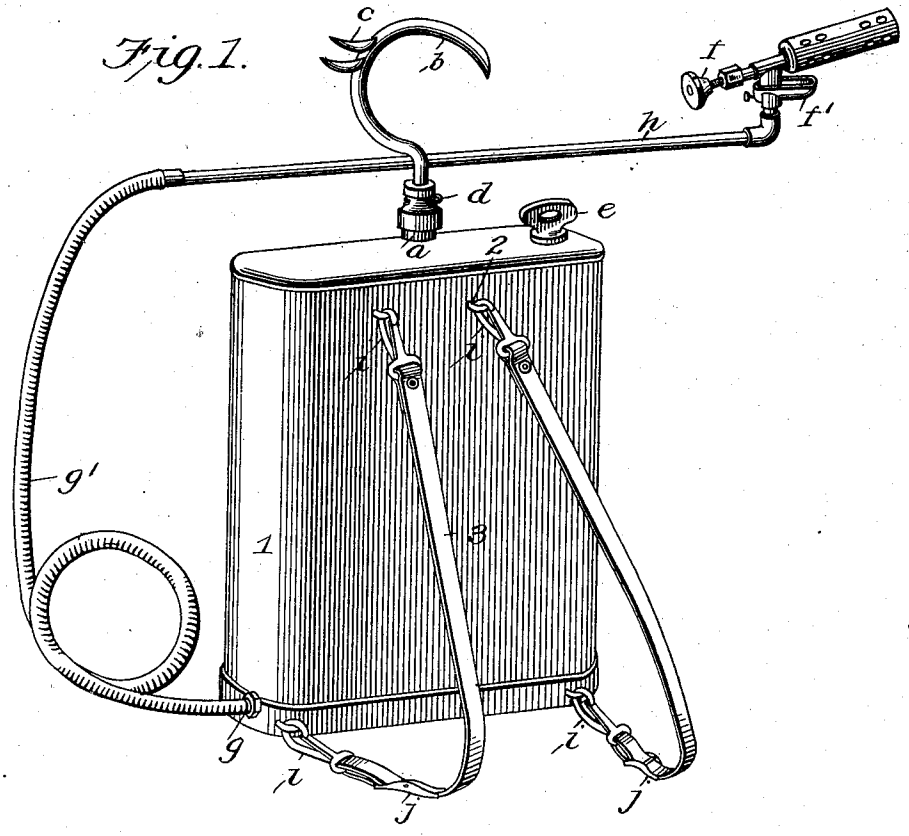
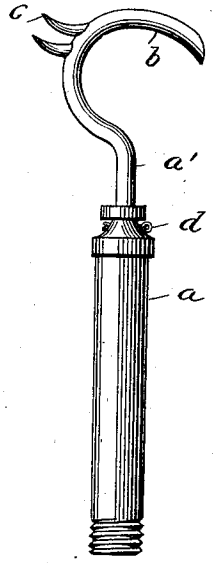


Fig. 2.



Witnesses

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No. 739,221. Patented September 15, 1903.

UNITED STATES PATENT OFFICE.

FRED REINLEIN, OF MOUNT VERNON, ILLINOIS.

GASOLENE-TORCH.

SPECIFICATION forming part of Letters Patent No. 739,221, dated September 15, 1903.

Application filed June 11, 1902. Serial No. 111,193. (No model.)

To all whom it may concern:

Be it known that I, FRED REINLEIN, a citizen of the United States, residing at Mount Vernon, in the county of Jefferson and State of Illinois, have invented new and useful Improvements in Gasolene-Torches, of which the following is a specification.

My invention relates to gasolene-torches designed for use in exterminating insects and vermin found upon plants and trees.

The primary object of the invention is to provide a simple and effective device of the character named which will be adapted either to be worn upon the back of the user or to be suspended from the branch of a tree, as circumstances may require.

The construction of the apparatus will be fully described hereinafter in connection with the accompanying drawings, forming a part of this specification, and its novel features will be defined in the appended claims.

In the drawings, Figure 1 is a view in perspective of an apparatus embodying the invention. Fig. 2 is an elevation of an air-pump employed for feeding the gasolene or other illuminant to the burner.

The reference-numeral 1 designates a tank or receptacle adapted to contain gasolene or other burning fluid and provided on one side with loops or eyes 2, to which are adapted to be attached snap-hooks *i*, secured to the ends of straps 3, by means of which the tank may be suspended from the shoulders of the user. The top of the tank 1 is provided with a suitable opening, through which extends an air-pump *a*, provided with a piston *a'*, formed at its upper end with a hook *b*, from which projects a spur or spurs *e*. A discharge-opening *g* is provided near the bottom of the tank 1, and secured to said opening *g* is one end of a tube *g'*, the opposite end of which communicates with one end of a rigid pipe *h*, carrying a burner *f* of any suitable construction, said burner being provided with an initial heating-cup *f'*. The air-pump *a* is provided near its upper end with an opening *a'* to receive a pin *d*, which locks the piston-rod against movement.

In using the device upon plants or bushes the receptacle is supported upon the back of the user by means of the straps 3, and the burner by reason of the flexible pipe connection *g'* may be readily manipulated to direct the flame to the desired point. The spurs or prongs *c* serve as convenient supports upon which the burner may be hung when not in use.

When the device is used upon the branch of a tree, the hook *b*, projecting from the piston, serves as a convenient suspending device to engage the limb of a tree. When not required for use, the straps 3 may be readily detached from the tank. A suitable filling-opening is provided at the top of the tank adapted to be closed by a screw-stopper *e*.

It will be obvious that the hook *b* serves the double purpose of a handle for the piston and a suspending device for the tank and that by removing the pin *d* the piston may be reciprocated to supply oil to the burner.

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

1. A gasolene-torch comprising a tank, an air-pump, a piston for said pump formed at its upper end with a hook for suspending the tank, means for holding the piston against movement, a burner, and connections between said tank and burner for supplying oil to the latter.

2. The combination with the tank of a gasolene-torch, of a burner, a connection between said tank and burner comprising a flexible pipe and a rigid pipe, an air-pump, a piston therefor formed at its upper end with a hook having a spur projecting therefrom, and means for holding the piston against movement.

3. The combination with a tank of a gasolene-torch, of straps for suspending the same from the shoulders of the user, a burner provided with an initial heating-cup, a connection between said burner and tank comprising a flexible pipe and a rigid pipe, an air-pipe communicating with said tank, a piston for said pump having its upper end bent to form a hook adapted to engage a suitable support, prongs projecting from said hook and adapted to engage said burner, and means for holding the piston against movement.

4. The combination with a tank of a gasolene-torch, of a burner, a connection between

said tank and burner, an air-pump extending within the tank and formed with registering openings within its upper end, a piston extending within the pump and formed with an opening adapted to register with those of the pump, and having its upper end provided with a suspending-hook which also serves as a handle for reciprocating the piston, and a removable pin for locking the piston.

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

FRED REINLEIN.

Witnesses:
JOHN J. BAKER,
JOE V. BAUGH.