

L. J. LIVINGSTON.
 PROTECTING DEVICE FOR GAS STOVES.
 APPLICATION FILED JUNE 23, 1910.

976,475.

Patented Nov. 22, 1910.

Fig. 1.

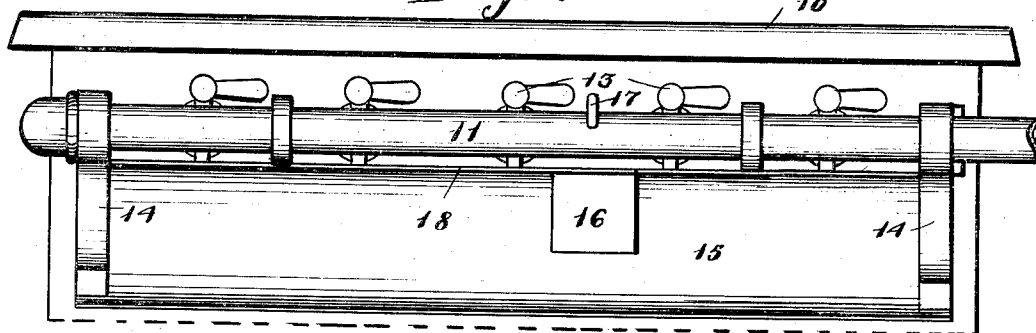


Fig. 2.

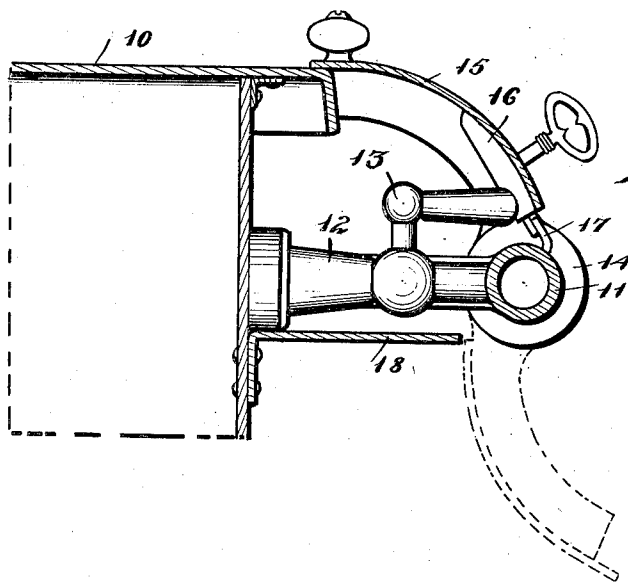
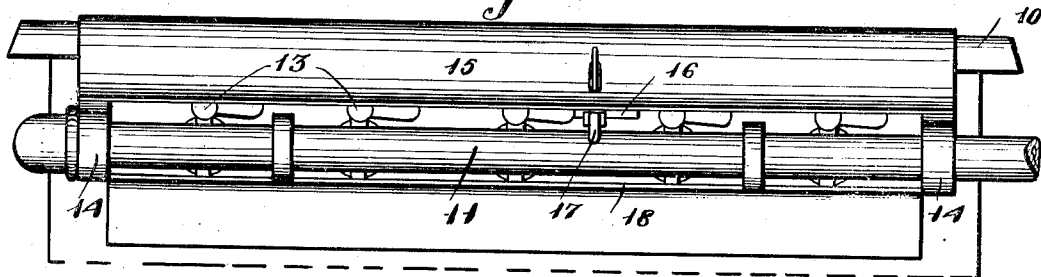


Fig. 3.

Witnesses.
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UNITED STATES PATENT OFFICE.

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PROTECTING DEVICE FOR GAS-STOVES.

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To all whom it may concern:

Be it known that I, LOUIS J. LIVINGSTON, a citizen of the United States, residing at Omaha, in the county of Douglas and State of Nebraska, have invented a certain new and useful Protecting Device for Gas-Stoves, of which the following is a specification.

The object of my invention is to provide a protecting device of simple, durable and inexpensive construction that may be readily and easily attached to a gas or vapor burning stove for the purpose of protecting the controlling valves of the stove so that they cannot be opened accidentally or inadvertently by small children.

My invention consists in certain details, in the construction, arrangement and combination of the various parts of the device, whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claims and illustrated in the accompanying drawings, in which:

Figure 1 shows a front elevation of a part of a gas stove with my protecting device applied thereto and in open position. Fig. 2 shows a similar view showing the protecting device in closed position, and Fig. 3 shows a transverse, sectional view with the protecting device in closed position, and its open position indicated by dotted lines.

Referring to the accompanying drawings, I have used the reference numeral 10 to indicate the part of a vapor or gas burning stove. 11 indicates a part of the main supply pipe for gas, and 12 indicates the supply pipes for the independent burners of the gas stove, each of which is provided with an ordinary valve 13 for controlling it. All of these parts are of the ordinary construction now in general use.

In order to provide means whereby the valves may be inclosed or protected in such a manner that they cannot become accidentally opened nor can they be inadvertently opened by children or unauthorized persons, I have provided on the supply pipe 11 two pivoted collars 14 and attached to said collars is a curved metal protecting device 15 designed in one position to rest against a part of the stove front and also capable of swinging with the collars 14 to open position where the valves 13 will all be uncovered.

As an additional means for preventing accidental manipulation of the valves, I

have provided a lock 16 of ordinary construction on the hinged protecting device. This lock is designed to coact with a stationary lug 17 fixed to the supply pipe 11. Beneath the valves 13, I provide a stationary protecting plate 18 fixed to a part of the stove and extended to position adjacent to the supply pipe so that the valves cannot be reached by a hand inserted upwardly between the burner supply pipes 12.

In practical operation and assuming that the protecting device is in its open position, as shown in Fig. 1, and by dotted lines in Fig. 3, then obviously the operator may manipulate the valves that control the burners in the ordinary manner. If it is desired to protect these valves against manipulation the operator may simply swing the protecting strip to its closed position, as shown in Fig. 2, and by solid lines in Fig. 3, and insert a key in the lock and turn the lock so that its slide bolt will engage with the lug 17, whereupon said protecting device will be held in its closed position and the valves will all be protected against being turned because of the protecting plate 18 below them and the protecting device 15 above them which substantially incloses said valves on all sides to such an extent as to prevent a person from inserting his fingers between the protecting device as required to turn the valves.

One of the principal advantages of my invention is that the valves on an ordinary gas stove are arranged at such height that small children can easily reach them and in many instances the valves are inadvertently opened by children. With my improved appliance, when in closed position, this is positively prevented even though the protecting device is not locked; hence the use of a positive lock and key is not essential but in certain instances is a desirable attachment.

I claim as my invention:

1. The combination of a stove, a supply pipe extended along the front of the stove, a number of branch pipes projecting from the supply pipe into the stove, a valve for each branch pipe, two arms having their ends pivotally connected to the supply pipe in front of the stove and curved upwardly and toward the stove and being designed to rest against a portion of the stove front and also capable of swinging forwardly and then downwardly to position below the valves and below the stove top, and a curved shield on said arms designed to wholly cover and

protect the valves when the shield is in its closed position.

2. The combination of a stove, a supply pipe extended along the front of the stove, a number of branch pipes projecting from the supply pipe into the stove, a valve for each branch pipe, two arms having their ends pivotally connected to the supply pipe in front of the stove and curved upwardly and toward the stove and being designed to rest against a portion of the stove front and also capable of swinging forwardly and then downwardly to position below the valves and below the stove top, a curved shield on said arms designed to wholly cover and protect the valves when the shield is in its closed position, a lock carried by the shield, and a coacting stationary lug, whereby the shield may be locked in its closed position.

3. The combination of a stove, a supply pipe extended along the front of the stove, a number of branch pipes projecting from

the supply pipe into the stove, a valve for each branch pipe, two arms having their ends pivotally connected to the supply pipe in front of the stove and curved upwardly and toward the stove and being designed to rest against a portion of the stove front and also capable of swinging forwardly and then downwardly to position below the valves and below the stove top, a curved shield on said arms designed to wholly cover and protect the valves when the shield is in its closed position, and a stationary plate secured to the stove front below the valves and extended to position adjacent to the supply pipe to prevent access being had to the valves from beneath, for the purposes stated.

Des Moines, Iowa, June 16, 1910.

LOUIS JOSEPH LIVINGSTON.

Witnesses:

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ALBERT F. MAYNE.