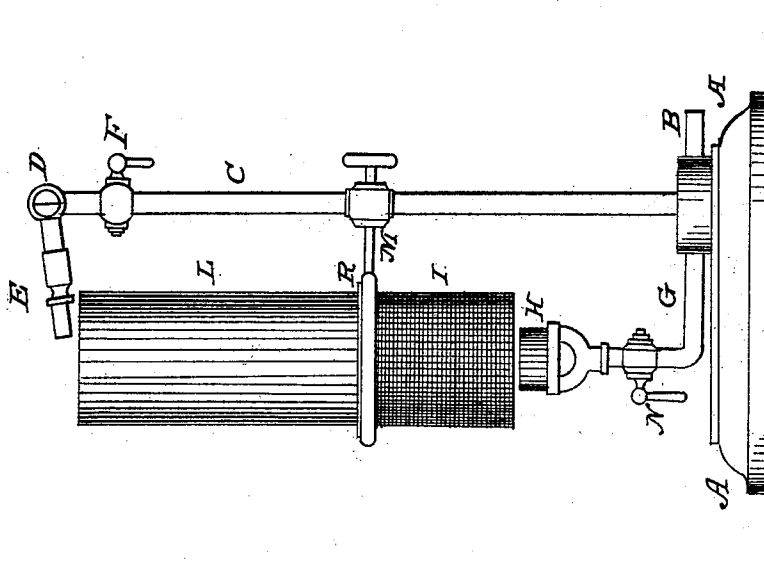


P. H. VANDER WEYDE.

Gas Alarm.

No. 42,032.

Patented March 22, 1864.



Witnesses
John F. Kerschbaum
William Bird

Inventor.
P. H. VanderWeyde
by *A. L. Henry* attorney

UNITED STATES PATENT OFFICE.

PETER H. VANDER WEYDE, OF NEW YORK, N. Y.

IMPROVED GAS-ALARM.

Specification forming part of Letters Patent No. 42,032, dated March 22, 1864.

To all whom it may concern:

Be it known that I, P. H. VANDER WEYDE, M. D., of the city, county, and State of New York, have invented a new Gas-Alarm for the Protection of Property; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing.

The nature of my invention consists in arranging a gas attachment in such a way that the opening of a door, window, drawer, &c., will cause the opening of a stop cock, thereby giving off a shrill continued sound, that can be heard all over the neighborhood.

I am aware that several devices of alarm have been invented and patented. Some are driven by clock-work, some by galvanic batteries, some by steam. All of them are, however, expensive, and do not fully answer the purpose.

My invention of a gas-alarm whistle, as hereinafter described, is simple, transportable, and not expensive. It can be fixed wherever gas is used. It can be attached to a lantern or be made to serve as a night-lamp. The sound produced is shrill, and so loud that it can be heard not only all over the building where it is placed, but for at least a block, similar, if not louder, than a steam-whistle.

The alarm-whistle, as exhibited by the attached drawing, consists of the following parts: A is the wooden base; B, the gas attachment; C, a vertical tube, with D, a joint, on which is attached E, the upper gas-burner, regulated by F, the upper stop-cock. G is the lower attachment, on which is fixed H, the lower alarm-burner. I is the lower cylinder, made of wire-gauze or tin perforated with holes; K, a ring supporting L, the upper tube, made of metal or other material. M is the slide, on which L and I are slid up and down in order to give the same the proper position. N is the stop-cock of the lower gas-burner, to which the door, window, or drawer is to be attached in such a way as to open

when any of the above-named objects are moved or touched.

The alarm-whistle may be placed in the hall, bed-room, or anywhere else, even outside the building out of reach of the burglars, to call the police to the spot, being easily heard the distance of several blocks. In those cases the connection between the stop-cock of the apparatus is made with as many doors and windows as desired, so that if any of them is opened the gas is turned on by means of a wire arranged similarly to those ringing a bell. If the distance between the doors or windows to be protected and the alarm apparatus is too great to be arranged in this way, the gas is to be turned on by means of an electro-magnetic-telegraph arrangement, the opening of any of the doors or windows producing the contact, and so transmitting the electric current, which, by charging an electro-magnet at a great distance, attracts a keeper, which withdraws a support of a weight so arranged as by its descent to turn on the gas. If such an arrangement is adopted, the alarm may be placed at any distance from the property to be protected out of hearing of the burglars, and a merchant may in his dwelling-house receive notice that burglars are entering his warehouses or office situated in another part of the city. The upper gas burner, placed so as to burn with a small flame over the upper tube, L, will set the gas, that on opening the stop-cock N is set free, on fire, and will, similar to hydrogen harmonica, cause a succession of small explosions, which give a penetrating shrill sound.

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

The construction of a gas-alarm, for the protection of property, in the manner and for the purpose above specified.

P. H. VANDER WEYDE.

Witnesses:

THOS. GODWIN,
JIREH BULL.