

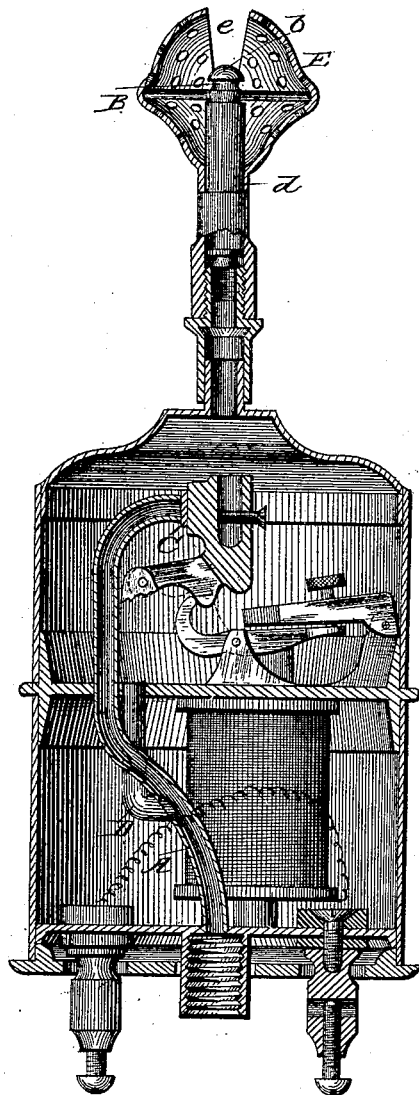
(No Model.)

W. D. SCHOOLEY.

SHIELD FOR PROTECTING TAPER FLAME OF GAS BURNERS.

No. 266,210.

Patented Oct. 17, 1882.



WITNESSES:

*Fred. G. Dieterich,*  
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INVENTOR.

*Wilem D. Schooley*  
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# UNITED STATES PATENT OFFICE.

WILSON D. SCHOOLEY, OF RICHMOND, INDIANA.

## SHIELD FOR PROTECTING TAPER-FLAME OF GAS-BURNERS.

SPECIFICATION forming part of Letters Patent No. 266,210, dated October 17, 1882.

Application filed June 17, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, WILSON D. SCHOOLEY, a citizen of the United States, residing at Richmond, in the county of Wayne and State of Indiana, have invented certain new and useful Improvements in Shields for Protecting the Small Taper or Flame of Gas-Burners; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to certain new and useful improvements in shields for preventing the small taper or flame of the gas-burners of street-lamps from being blown out by the force of the wind; and to this end the invention consists in the combination, with a gas-burner and means for supplying the gas for feeding a small taper or flame, of a shield enlarged at its central point, with perforations through it above and below said central point, and arranged around and extending above the tip of a gas-burner, and having a flame-opening and a collar which fits snugly around the burner to hold said shield in place, all as will be hereinafter fully described, and set forth in the claim here-  
to annexed.

Referring to the accompanying drawing, the figure represents a vertical section of an apparatus for the supply of the gas to the burner to feed a small taper or flame, and showing the shield as applied to the burner.

Having been granted a patent for the apparatus herein shown, dated May 16, 1882, and numbered 258,136, I will only refer to such parts as are necessary for understanding the present invention.

In the drawing, A represents the main gas-supply tube for the burner B, which tube is opened or closed by a valve, C, adapted to be automatically operated by any of the well-known means now in use for that purpose.

D represents a branch tube leading from the gas-supply tube A, for supplying gas to the burner B in sufficient quantity to feed a small

taper or flame when the main tube A is closed by the valve C.

E represents a shield, enlarged at its central point, with perforations through it above and below said central point, and arranged around and extending above the tip of the burner B, and having a flame-opening, *e*, and a collar, *d*, which fits snugly around the burner to hold the shield in place. The perforated shield, while permitting free access of air to the flame, so breaks the force of the wind that the small taper or flame (left burning to insure the ignition of the main gas-supply) will not be blown out, and is made especially, and of the particular form shown, for that purpose.

The advantages of my improvement will be readily understood when applied to all the street-lamps of a town or city in order to insure the ignition of the main gas-supply to all the burners of the street-lamps.

I am aware that shields for gas-burners extending above the tips thereof and having air-openings through their lower portions are old; and such I do not wish to be understood as claiming broadly as of my invention.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination, with a gas-burner and means for regulating the supply of gas to feed a small taper or flame, of a shield enlarged at its central point, with perforations through it above and below said point, arranged around and extending above the tip of said burner, and having a flame-opening, and a collar which fits snugly around the burner to hold the shield in place, substantially as and for the purpose herein shown and described.

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

WILSON D. SCHOOLEY.

Witnesses:

JOHN BRADWAY,  
S. E. SHUTE.