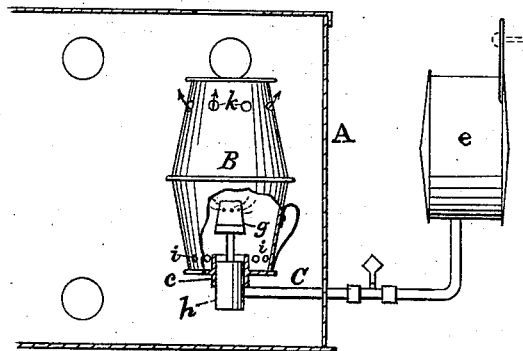


F. ZUGG.  
Vapor-Stove.

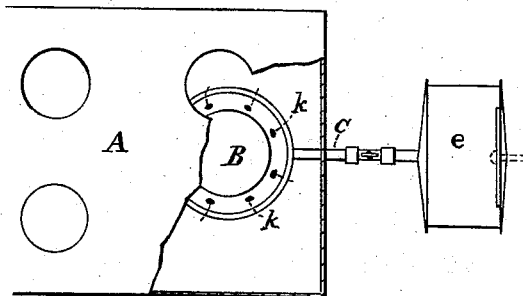
No. 221,205.

Patented Nov. 4, 1879.

*Fig. 1.*



*Fig. 2.*



Witnesses :  
Jno. W. Collins  
L. Colburn.

Inventor :  
Florian Zugg  
by G. B. Towles.  
Attorney.

# UNITED STATES PATENT OFFICE.

FLORIAN ZUGG, OF PEORIA, ILLINOIS..

## IMPROVEMENT IN VAPOR-STOVES.

Specification forming part of Letters Patent No. **221,205**, dated November 4, 1879; application filed October 8, 1879.

### *To all whom it may concern:*

Be it known that I, FLORIAN ZUGG, of the city of Peoria, in the county of Peoria, in the State of Illinois, have invented a new and useful Improvement in Gas-Stoves; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 represents an interior view of a part of the stove, showing my improved screen or cover; and Fig. 2, a plan view.

Like letters in both figures of the drawings indicate like parts.

This invention consists of a perforated removable barrel-shaped screen provided with a short tube fixed in the bottom, and adapted for use on the burner of a gas-pipe introduced into a gas-stove, so as to protect the flame from the wind, thus permitting it to be used at picnics and for other outdoor purposes, as will be hereinafter more fully explained.

A is the stove, provided with the usual holes for cooking utensils, and with ventilating-openings above and below.

B is the barrel-shaped screen, which rests, by means of a short tube, *c*, in the bottom of it, upon a thimble, *h*, on the end of the gas-pipe C. The barrel shape or elongated form of the screen permits it to completely inclose the burner *g*, the draft entering through the

perforations *i* below, and causing the flames to escape through the perforations *k* above to the cooking utensils on the stove, thus protecting the flame from the wind when used for outdoor purposes.

I am aware of certain patents on the subject, more particularly that of James Sheedy, No. 101,928, dated April 12, 1870, showing a perforated heater surrounding the burner and a conical distributor fixed within the heater.

I do not claim the devices shown in such patents; but,

Having described my invention, I claim—

1. The removable barrel-shaped screen having the perforations *i* and *k*, and provided with short tube *c*, adapted to rest on the burner of a gas-pipe, constructed as shown, for the purposes set forth.

2. The removable screen B, having perforations *i* below and *k* above, and provided with short tube *c*, in combination with a gas-pipe introduced into a gas cooking-stove and provided with a thimble, *h*, substantially as specified.

In testimony that I claim the foregoing I have hereunto set my hand this 11th day of April, A. D. 1878.

FLORIAN ZUGG.

Witnesses:

J. M. MORSE,  
H. W. WELLS.