

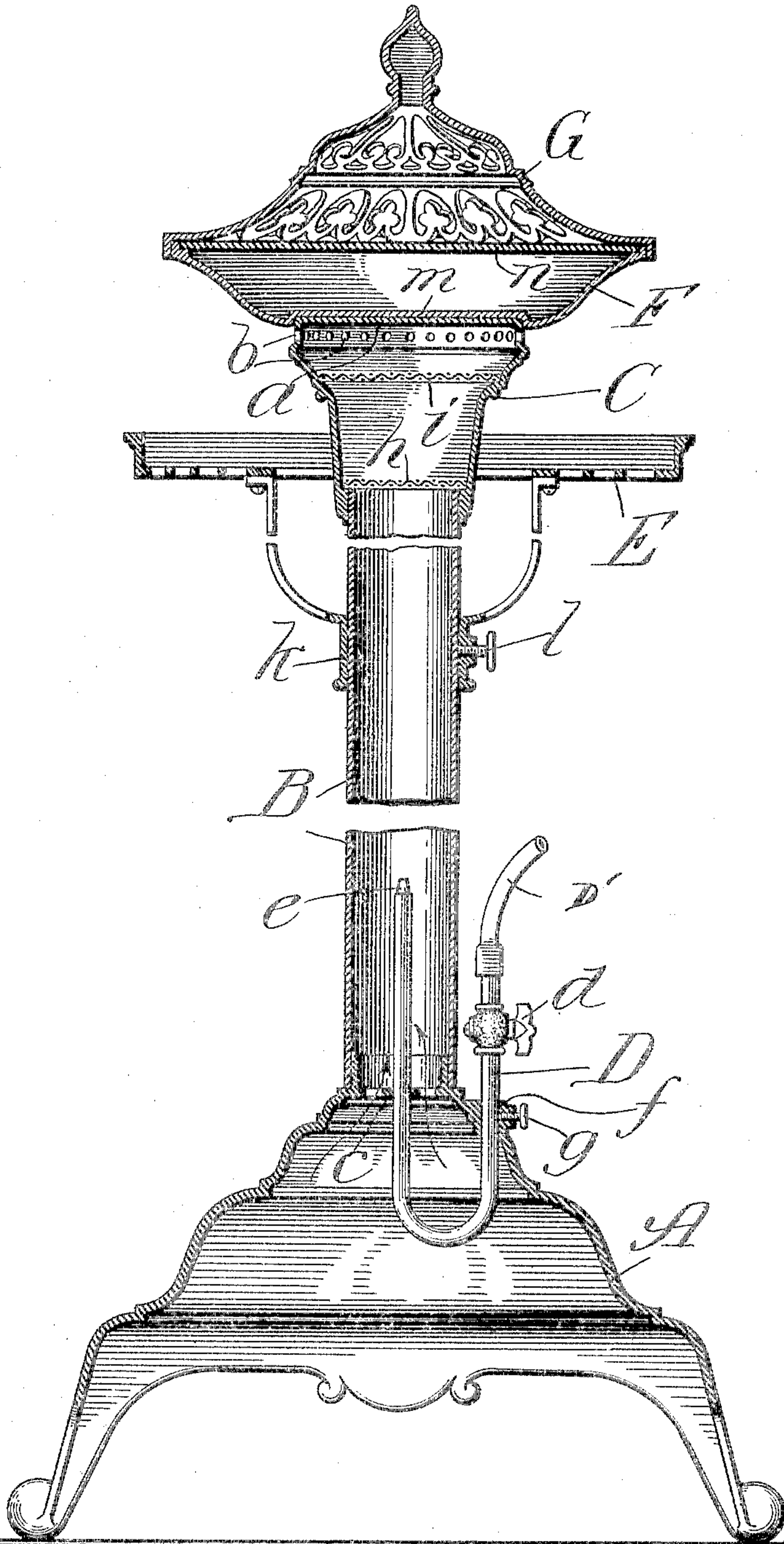
No. 793,883.

PATENTED JULY 4, 1905.

W. A. KÖNEMAN.

GAS BURNING CONVERTIBLE HEATING AND COOKING STOVE.

APPLICATION FILED AUG. 8, 1904.



Witnesses:  
Edw. C. Payford,  
John Enders.

Inventor:  
William A. Koneman,  
By Syrenforth, Syrenforth & Lee,  
Attys.



# UNITED STATES PATENT OFFICE.

WILLIAM ADOLPH KÖNEMAN, OF CHICAGO, ILLINOIS.

## GAS-BURNING CONVERTIBLE HEATING AND COOKING STOVE.

SPECIFICATION forming part of Letters Patent No. 793,883, dated July 4, 1905.

Application filed August 8, 1904. Serial No. 219,886.

*To all whom it may concern:*

Be it known that I, WILLIAM ADOLPH KÖNEMAN, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Gas-Burning Convertible Heating and Cooking Stoves, of which the following is a specification.

My object is to provide a gas-stove of a particularly simple, inexpensive, and desirable construction which may be used convertibly for heating and cooking purposes.

In the accompanying drawing I show a vertical section of a stove of one convenient and attractive form embodying my improvements.

Mounted upon an ornamental base A is a hollow pipe or pillar B, upon the upper end of which is a hollow expanded head C, having a closed top *a*. In the side of the head or burner just below the top is an annular series of perforations or burner-openings *b*. At the lower end of the pillar is a spider *c*, having a central opening surrounded by air-inlet openings.

D is a U-shaped gas-pipe provided with a cock *d* near one end and a tip *e* at its other end. One leg of the pipe passes through an opening *f* in the base, while the other leg passes through the central opening of the spider to position the tip or outlet *e* centrally in the lower part of the pillar. The pipe may be raised and lowered in the opening *f* and fastened in adjusted position by means of a thumb-screw *g*. The outer end of the pipe D may be connected with a hose or the like D', leading thereto from a gas-supplier, and the stove is adapted to rest at its base on the floor. When the cock *d* is opened, gas passes from the tip *e* to the air and gas mixing chamber, formed by the hollow pillar and burner-head, air to mix with the gas entering through the openings at the lower end of the pillar. The burning mixture passes out through the burner-openings *b*, where it is ignited. To facilitate thorough mixing of the gas and air before they pass to the openings *b*, I prefer to provide a fine-mesh screen *h* in the top of the pillar and another, *i*, in the burner-head beneath the burner-openings.

Surrounding the pillar B is a sleeve *k*, sup-

porting a platform E, which may be annular, as shown, or of any other desired form. The platform may be raised to any elevation with reference to the burner-openings by sliding the sleeve *k* upon the pillar and may be fastened, when adjusted, by means of the thumb-screw *l*.

F is a preferably frusto-conical hollow metal hood or deflector provided at its base with a recess *m* to fit over and rest upon the top *a* of the burner-head. The hood F has a top plate *n*, and fitting upon the hood in the manner shown is an ornamental stove-top G. The mixture of air and gas burns at the openings *b* with a blue flame free from odor, indicating approximately perfect combustion. When the hood is in place, the flame plays against its under surface to heat the same and the products of combustion are deflected by the exposed frusto-conical surface in the downward and outward directions, resulting in the most perfect heat-radiation for warming a room.

Constructed as described my improved stove may be readily moved from place to place and quickly converted into a cooking or heating stove, as desired.

The platform E may be raised to a plane above the burner-head when the deflecting-hood is removed and the stove is to be used for cooking and the cooking utensils may be placed thereon. When the platform is lowered to a plane below the burner-openings with the deflecting-hood either in place or removed, it may operate as a support for bread while toasting or when at a lower level as a support for dishes to be warmed, &c. Obviously it is immaterial whether the platform is adjustable relative to the burner-openings, as shown, or the burner is adjustable relative to the platform for bringing the openings above or below the latter.

The stove constructed with the pipe or pillar B as the sole support for the upper parts has a particularly unique and attractive appearance. If desired, however, the stove may be constructed with a frame of any suitable form to support the burner, the top, and the adjustable platform or all those parts, and in other ways the construction may be variously

modified without departing from the spirit of my invention as set forth in the appended claim.

What I claim as new, and desire to secure  
5 by Letters Patent, is—

A convertible heating and cooking stove comprising, in combination, a tubular pillar forming the mixing-chamber and terminating in a burner-head having openings, with gase-  
10 ous-fuel-supplying means and an air-inlet in the lower part of said pillar, a heat-deflector surmounting said head, and a cooking-utensil

holder adjustably supported on said pillar to adapt it to be raised for cooking purposes above the plane of the burner-openings, and 15 to be lowered below the plane of said openings to expose it to the downwardly-deflected heat from said deflector, substantially as described.

WILLIAM ADOLPH KÖNEMAN.

In presence of—

WALTER N. WINBERG,  
F. M. WIRTZ.