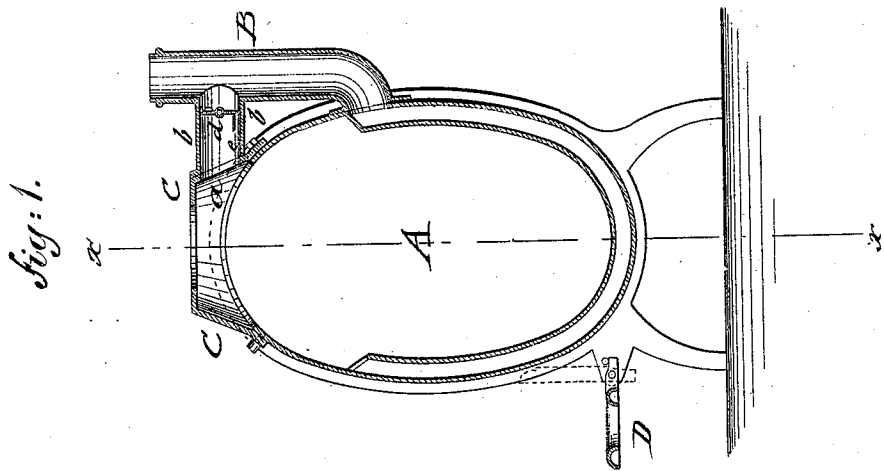
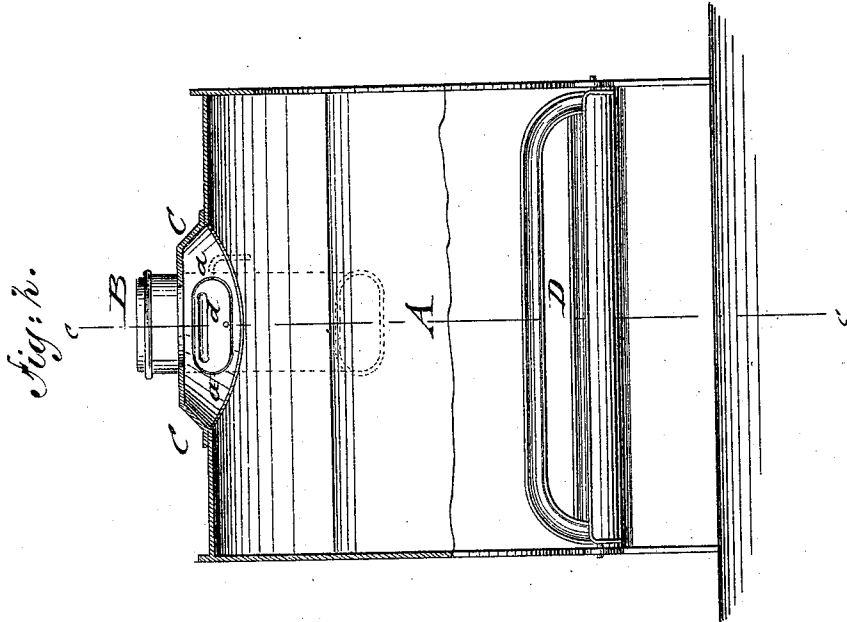


C. R. SIPES.
STOVES.

No. 180,279.

Patented July 25, 1876.



WITNESSES:

Chas. N. Sipes
John Goethals

INVENTOR:

C. R. Sipes

BY

Wm. H. Sipes

ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES R. SIPES, OF ARKANSAS CITY, KANSAS.

IMPROVEMENT IN STOVES.

Specification forming part of Letters Patent No. **180,279**, dated July 25, 1876; application filed June 6, 1876.

To all whom it may concern:

Be it known that I, CHARLES R. SIPES, of Arkansas City, in the county of Cowley and State of Kansas, have invented a new and Improved Stove, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a vertical transverse section of my improved stove on line *cc*, Fig. 1; and Fig. 2, a vertical longitudinal section of the same on line *xx*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to improvements on a class of stoves known as the "Tod" stove, by which the objectionable escape of the smoke in the same, when the doors are opened, may be avoided, and also a convenient foot-rest or rail be provided.

The invention consists of a Tod stove, with an additional flue and damper at the highest part to prevent the escape of smoke on opening the door, and of a swinging foot-rail hinged to the lower part of the stove.

In the drawing, A represents a so-called "Tod" stove, which is made of oval or other shape, and with a system of flues passing around the sides and bottom to the smoke-pipe B.

These stoves are made with the smoke-outlet a little above the center of the stove, and have the upper part of the door opening at a higher point than the smoke-outlet, so that the smoke escapes into the room when the door is opened more or less. For the purpose of avoiding this I attach to the saddle C, at the top of the stove, a second smoke-outlet, *a*, and connect the same by a flue or pipe, *b*, with the pipe B. A damper, *d*, is placed in

the connecting-flue *b*, and weighted at the part above the center pivot, so that the damper is retained in closed position when shut. A projecting pin, *e*, at the lower part of damper *d*, secures, in connection with the weighted part, the open position of the damper, and also serves to prevent the swinging of the damper beyond the vertical closed position.

The stove is prevented from smoking by simply opening the damper, when the door is opened, so that the smoke is allowed to escape with great facility at the highest point. This damper may also be used when the fire is to be started, as the smoke can then be passed directly to the chimney without passing through the circumferential flues.

The lower front part of the stove A is provided with a cast foot-rail, D, that is hinged by end lugs to perforated bearings of the stove-bases to be swung up out of the way or swung down for use.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. The combination, with stove having smoke-outlet above center and saddle C at top, of the pipe B and smoke-outlet *a*, connected by a flue, *b*, having damper therein, substantially as shown and described.

2. The combination, with a smoke-flue at the highest point of the stove, of a damper weighted at the upper part, and having a projecting pin at the lower part, substantially as set forth.

CHARLES R. SIPES.

Witnesses:

A. W. BERKEY,
GEO. O. ALLEN.