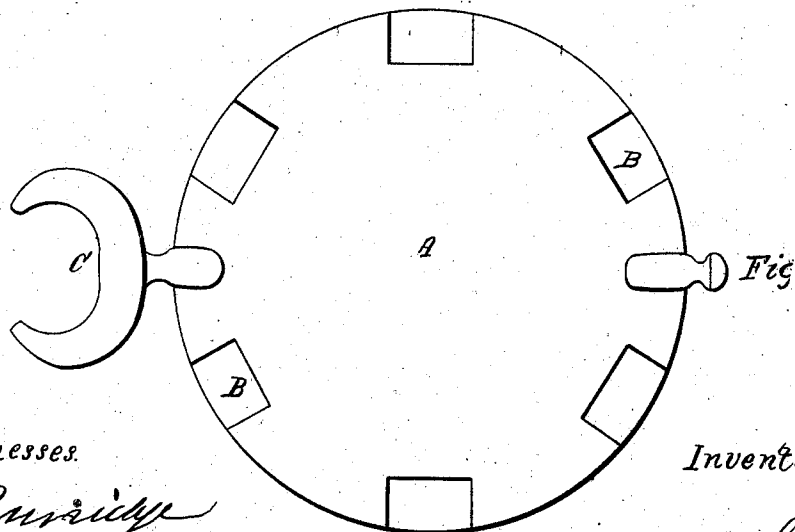
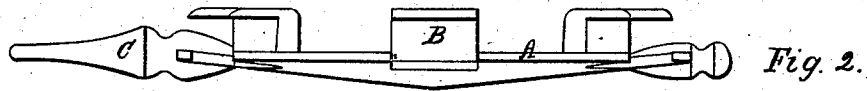
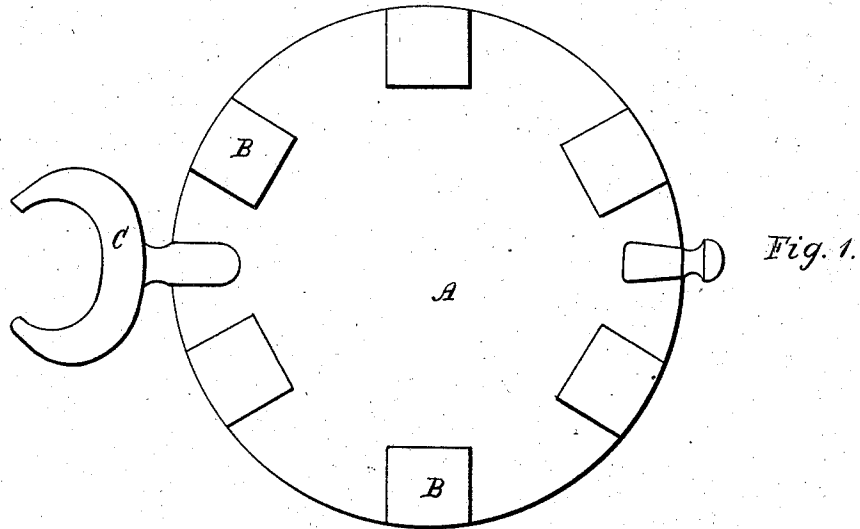


J. A. White,

Damper.

No. 79,041.

Patented June 16, 1868.



Witnesses.

J. A. Burdick
E. E. Waite

Inventor.

J. A. White

United States Patent Office.

D. A. WHITE, OF CHAGRIN FALLS, OHIO.

Letters Patent No. 79,041, dated June 16, 1868.

IMPROVEMENT IN STOVE-PIPE DAMPER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, D. A. WHITE, of Chagrin Falls, in the county of Cuyahoga, and State of Ohio, have invented certain new and useful Improvements in Stove-Dampers; and I do hereby declare that the following is a full and complete description of the same, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 is a plan view.

Figure 2 is an edge view.

Figure 3 is an under side view.

Like letters of reference refer to like parts in the views.

In the drawing, A represents a plate or disk, which forms the damper, and is placed in the pipe in any desirable manner. This disk is provided with a number of projections or deflectors, B, more or less in number, as may be desired. C is the handle for turning said damper.

This plate or disk is made convex, as shown in fig. 2, the purpose of which is to counterbalance the weight of the deflectors B, so that, in whatever position it is turned, it will sustain itself without the aid of a stay or brace.

In the dampers now in use, the opening for the smoke to pass out when the damper is closed is made in the centre of the disk, or a slot cut from side to side, as may be desired. In this way, the heat that will pass up with the smoke is carried up through the centre of the pipe, but, with the openings at the side, the deflections will throw the heat, as it rises up, against the pipe, and the smoke pass up and out. Thus, the heat that would pass out through the centre of the pipe in the use of the old dampers is (by the deflectors on this damper when in use) thrown out against the pipe, and aids in heating the room in which the stove is placed.

This damper can be attached to any pipe, and can be seamed in the ordinary way.

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

The herein-described stove-damper, consisting of the convex disk A and deflectors B, constructed and arranged in the manner as and for the purpose specified.

D. A. WHITE.

Witnesses:

W. H. BURRIDGE,

J. HOLMES.