

R. R. HOWELL.  
Stove-Damper Guard.

No. 128,880.

Patented July 9, 1872.

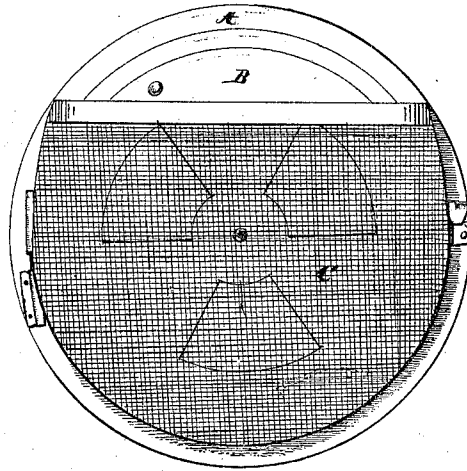


Fig. 1

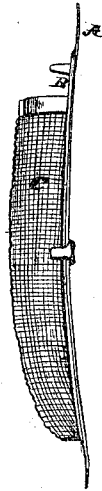


Fig. 2.

Witnesses

C. E. Wyman  
J. H. Mountcastle

Inventor

R. R. Howell  
per  
S. W. Sibbitts  
att'y.

# UNITED STATES PATENT OFFICE.

ROYAL R. HOWELL, OF FOSTORIA, OHIO.

## IMPROVEMENT IN STOVE-DAMPER GUARDS.

Specification forming part of Letters Patent No. 128,880, dated July 9, 1872.

### SPECIFICATION.

I, ROYAL R. HOWELL, of Fostoria, in the county of Seneca and State of Ohio, have invented a certain new and useful Stove-Draught Guard, of which the following is a specification:

The nature of this invention relates to a guard or screen made of wire-cloth, or other suitable material, to be attached to a stove or stove-damper, the object being to guard against the liability of sparks of fire snapping out, endangering the setting on fire the carpet or other inflammable material surrounding a stove. It is intended to be applied to stoves burning wood having a draught or damper located at or near the bottom where the sparks are liable to fall out.

In the drawing Figure, 1 represents a round damper having a guard attached. Fig. 2 is a vertical section of the same.

A, Figs. 1 and 2, is a damper made in a circular form, and may be cast in any suitable design, with openings to admit of a draught of air. B is a circular plate pivoted at the center to the plate A, and upon which it turns for the purpose of covering the said openings. C is a guard or screen made of wire-cloth, or other suitable metal, made partly round, or of any other suitable shape, to conform to shape of stove or damper, and having a band, *c*, if made of wire-cloth; but which would not be needed if the guard was made of perforated or solid metal. The guard is pressed up or stands sufficiently out, leaving space between it and the damper so as not to interfere with the working of the damper, the round edge fitting close to the damper or stove, the top

edge standing out, leaving room to operate the damper. The guard may be secured to the damper or stove by a hinge on one side and a latch on the other, as seen in the drawing; or by pins or wire loops on each side fitting into suitable eyes or hooks on the stove or damper, enabling it to be removed, if desired, or it may be permanently attached to the stove or damper.

I am aware that a wire screen has been used on the interior part of a stove-damper to protect the coals and flame from passing out on to the floor, hence I disclaim such to be my invention. In my case I apply the screen on the exterior of the damper, leaving a sufficient space for the operation of the damper. The great objection to the damper-guards heretofore known has been that, being of light material, and in proximity to the fire, they very soon burn out, become utterly useless, and impede the action of the damper. I obviate these difficulties by placing the guard on the exterior, as stated, and am enabled to apply the same to the ordinary dampers now in use, and construct the same in a very economical manner.

What I claim is—

In combination with a stove-damper an outward-bulged wire or perforated metal screen placed upon the exterior part of the damper, with a suitable space left free for the operation of the damper, all substantially as and for the purposes herein set forth.

ROYAL R. HOWELL.

Witnesses:

S. B. MALTBIE,  
JOHN T. STEWART.