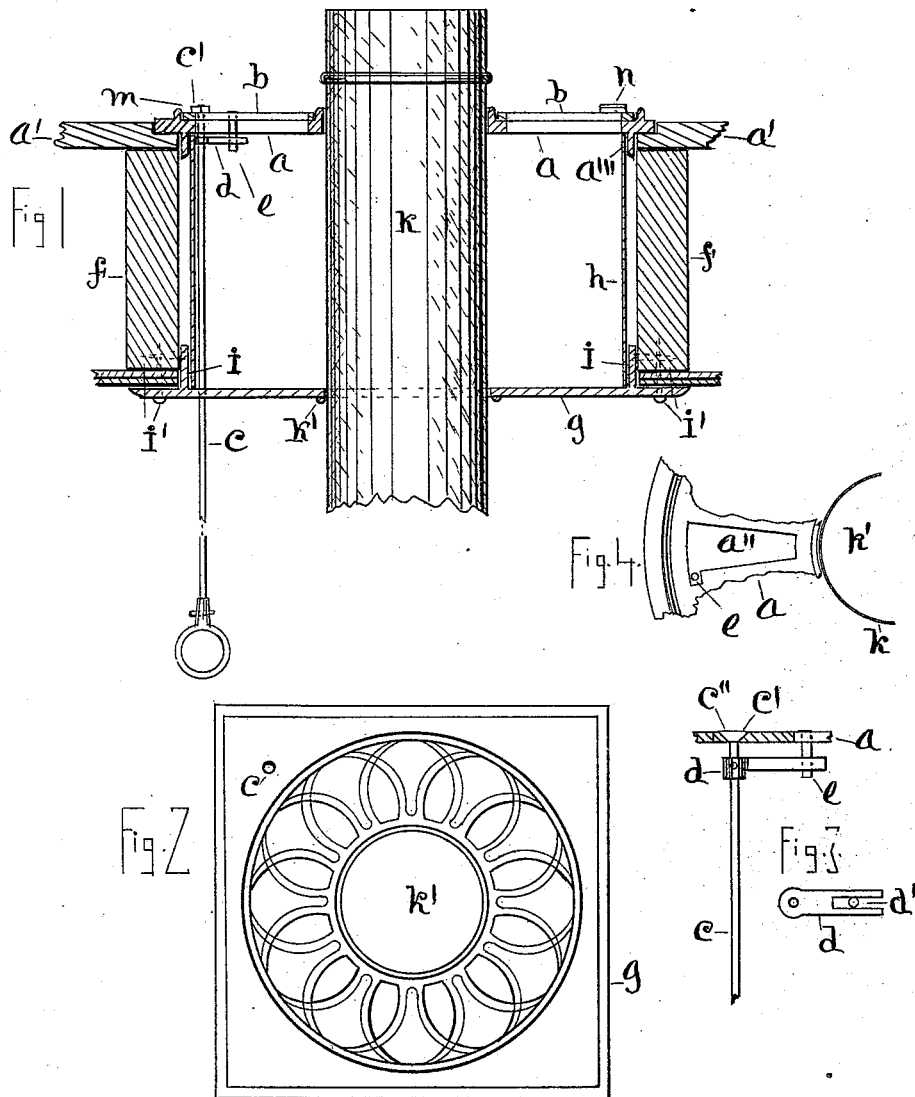


(No Model.)

R. L. NEWMAN & B. L. OZMUN.  
STOVE PIPE GUARD AND REGISTER.

No. 423,439.

Patented Mar. 18, 1890.



L. G. Foster Jr.  
Samuel J. Barker

WITNESSES.

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# UNITED STATES PATENT OFFICE.

RUSH LYLE NEWMAN AND BURT LINCOLN OZMUN, OF LANSING, NEW YORK.

## STOVE-PIPE GUARD AND REGISTER.

SPECIFICATION forming part of Letters Patent No. 423,439, dated March 18, 1890.

Application filed December 12, 1889. Serial No. 333,408. (No model.)

*To all whom it may concern:*

Be it known that we, RUSH LYLE NEWMAN and BURT LINCOLN OZMUN, citizens of the United States of America, and residents of Lansing, Tompkins county, New York, with Midway, New York, as our post-office address, have invented an Improved Stove-Pipe Guard with Register, of which the following is a specification, reference being had to the accompanying drawings.

Our invention consists of a protective metallic box, placed in walls or ceilings through which a stove-pipe passes, and of a register or regulator immediately about the stove-pipe, and of an operating-rod which controls the register in one room without interfering with the usual opening and closing means in the other room, as will be apparent as we describe our invention.

Figure 1 is a side elevation, sectional, of our device in a floor, wall, or ceiling; Fig. 2, a detached view of the lower or ceiling plate; Fig. 3, a detached side elevation of the upper part of the operating-rod, with a detached view of its slotted arm, and Fig. 4 is a view of a part of the lower plate of the register, showing the operating-stud in a notch in one side of a register-opening.

In the figures, *a* is the register-plate, that is fitted to the floor-boards *a'* of the upper room to be heated through the register, and *b* is the movable plate of the register, made with any suitable form of openings, that fit over corresponding openings *a''* in the register base-plate; and *c* is the operating-rod, that is pivoted to the base-plate, as at *c'*, has the arm *d* fast to it, that is slotted in its outer end at *d'* by the stud *e*, and operates the cut-off plate by the rotation of the rod. This rod, either inside or outside of the metallic air-chamber, reaches down through the floor-space and the lath and plastering (if in its way) and sufficiently low to be within reach of an adult person in the lower room, where a ring, made fast to the rod, provides the means of rotating the rod. To the joists *f*, which are usually some fourteen inches apart, we attach the ceiling-plate *g* and encompass the space between the plates *a* and *g* with the metallic walls *h*, and when we choose so to do, holding

the plates together by bolt-rods; or we secure the ceiling-plate to the lower edge of the joists by the flanges *i* of the plate *g*, or the screws *i'*. The metallic boxing *h* is put in, resting on the plate *g*, when the plate *a* is adjusted, holding the boxing by the flanges *a'''*, the rod *c* being inserted through the plate *g*, as can be done by removing its turning ring, and then the movable plate *b* is put on, its stud *e* being placed in the slotted end of the rod-arm *d*. Elevations *n* are fast to this plate *b*, by which one can in the upper room open or close the register. The ceiling-plate is perforated with any kind of suitable ornamental openings—such as shown in Fig. 2—giving a more ample space for heated air to rise than the register above it can pass.

A register-opening *a''* is shown in Fig. 4. They can be made in any convenient or ornamental form.

In Fig. 1 a stove-pipe *k* is indicated in the opening *k'* in the center of the plates *a* and *g*. The top of the rod *c* is held either by the lever *m*, (seen in Fig. 1,) its place preferably being, as indicated at *c*, Fig. 2, outside of the register-spaces and within the metallic casing between the plates *a* and *g*, or by the head *c''*, which fits the countersunk opening in the register-plate *a*.

All else is believed to be apparent.

Disclaiming all else, what we claim is—

The pipe and register-box described, consisting of the perforated ceiling-plate *g*, made fast by the screws or pins *i'* to the ceiling of the room, and of the disconnected sheet-metal walls *h*, and of the cap-plate *a*, on which lies the register-plate *b*, the loose walls *h* being held in place by the flanges *i* and *a'''* on the inner faces of said plates, and the box thus made being at one side provided with the hand-rod *e*, pivoted in the plate *a*, which, by the slotted arm *d*, just beneath the plate *a*, and the stud *e*, projecting downward from the register-plate *b*, enables the register-plate to be opened and closed, as set forth.

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Witnesses:

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