

I. S. BULLARD.  
Stovepipe Damper.

No. 63,850.

Patented April 16, 1867.

FIG. 1

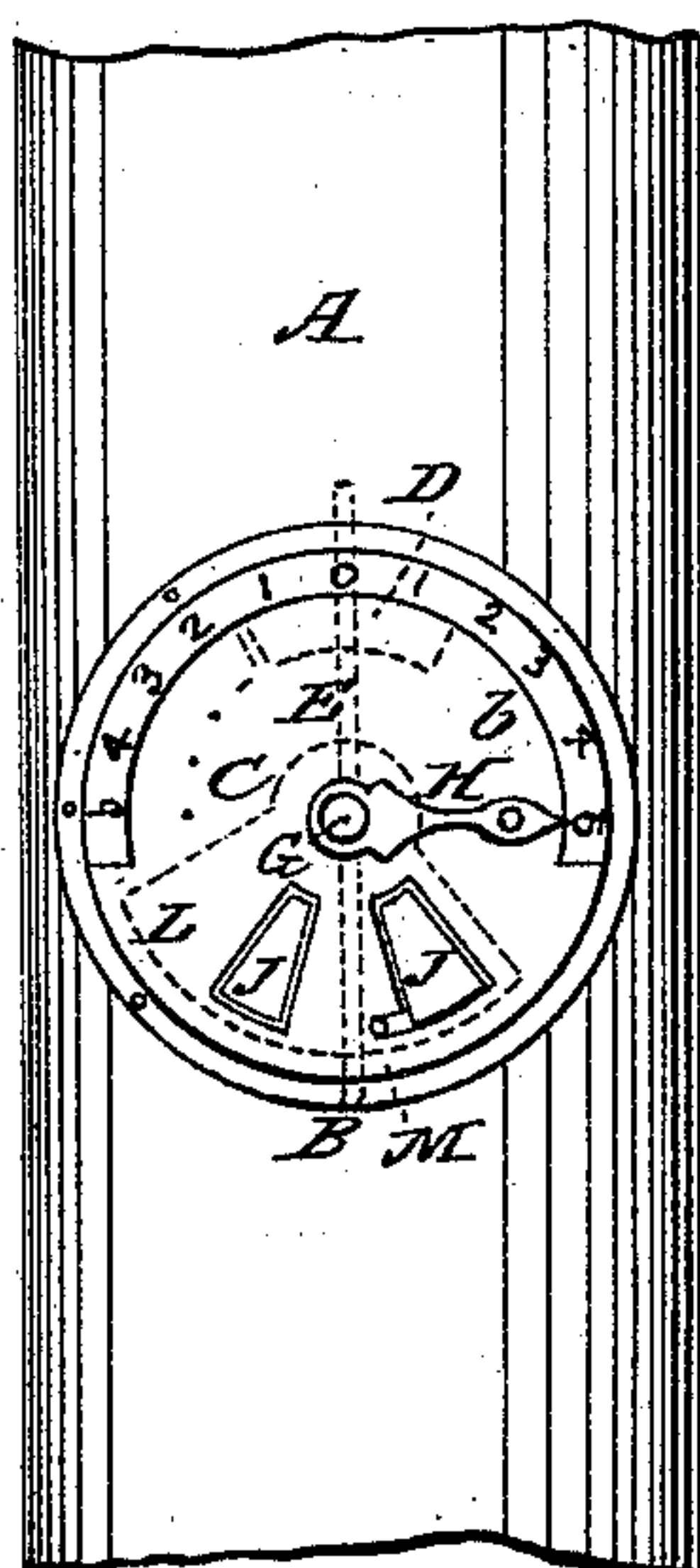
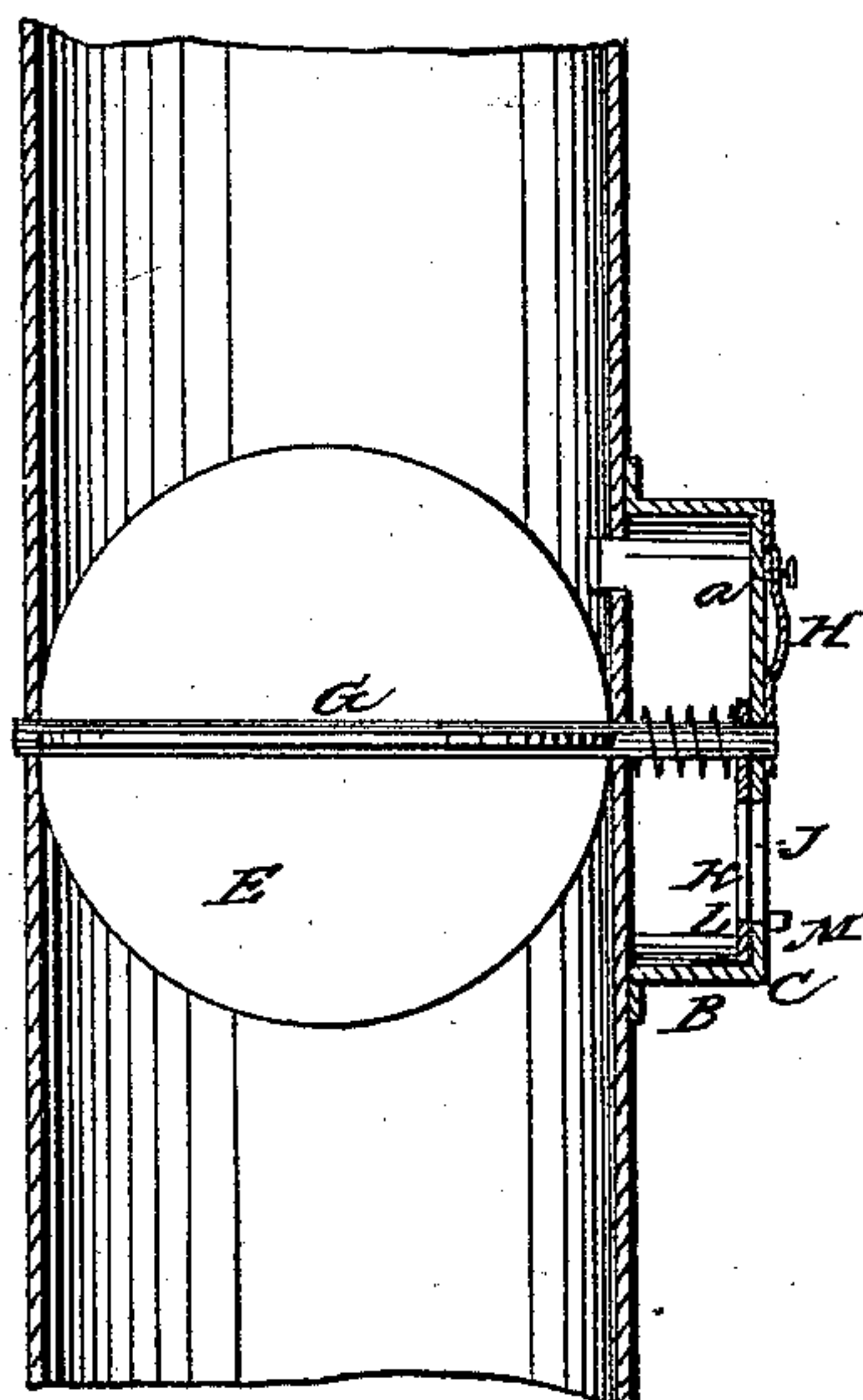


FIG. 2



WITNESSES:  
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*Wm. Frewin*

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# United States Patent Office.

IRA S. BULLARD, OF GENEVA, NEW YORK, ASSIGNOR TO HIMSELF AND  
C. H. PARKER, OF THE SAME PLACE.

*Letters Patent No. 63,850, dated April 16, 1867.*

## ATTACHMENT FOR CONTROLLING DRAUGHT IN STOVE PIPES.

*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, IRA S. BULLARD, of Geneva, in the county of Ontario, and State of New York, have invented a new and improved "Attachment for Stove Pipes;" and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings forming part of this specification.

The present invention relates to a regulator attachment to stove pipes, for the purpose of the better controlling the draught of the stove, boiler, or fire-box, from which the smoke, etc., is conducted off through the said pipes. This invention consists in securing a sheet-metal box or drum to one side of a stove pipe, and in providing the outer slotted face of said drum with a graduated semicircular ring, and an index hand attached to the end of the damper-spindle outside of the said drum, as will be hereinafter more fully described. In the accompanying plate of drawings my improved attachment for stove pipes is illustrated—

Figure 1 being a side view of a stove pipe having it applied thereto; and

Figure 2, a central vertical section through the stove pipe, showing the regulator attachment in side elevation.

Similar letters of reference indicate like parts.

A, in the drawings, represents the stove pipe, to one side of which, by rivets or other suitable fastening devices, a box, B, is secured, that, upon its outside face C, is provided with a semicircular ring, D, marked off into a series of graduations, numbered in regular order and succession from one to five inclusive, commencing at the centre graduation, and extending toward each end of the same. E, the damper to the stove pipe. This damper is hung by its centre spindle G in and to the stove pipe, upon a line at the centre of the graduated ring D. H an index hand or pointer, attached to outer end of centre spindle G. This pointer H is provided with a pointed stud upon its under side, by which it is caused to be held, at whatever graduation it may be set, by its engagement with the notches or depressions *b* in the face of the pipe-box B. J, two openings in lower portion of pipe-box B, corresponding to which are openings K in a plate L, back of box-plate; this plate L being hung upon the damper-spindle G, and held forward against the inner side of the plate C by means of the spiral spring *b*, so as to freely turn therein, and also provided with a knob, M, for convenience in operating it, so as to thereby more or less open the apertures J in the pipe-box B to the passage of air through the same to the interior of the stove pipe, according as may be found most desirable or necessary to produce the proper regulation of such air supply for the better combustion of the fuel employed in the stove.

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

The construction and arrangement, upon the side of the stove pipe A, of the circular box B, provided upon its slotted face C with a semicircular graduated ring, D, and depressions *b*, into which fit the pointed studs of the spring index hand H, secured to the end of the damper-spindle G, sliding slotted plate L, hung upon said spindle and held in place by means of the spiral spring *b'*, substantially as herein shown and described for the purpose specified.

IRA S. BULLARD.

Witnesses:

CHARLES C. PRATT,  
E. D. COLVIN.