

(No Model.)

W. E. BEILMAN.

STOVE PIPE DAMPER.

No. 300,559.

Patented June 17, 1884.

Fig. 1.

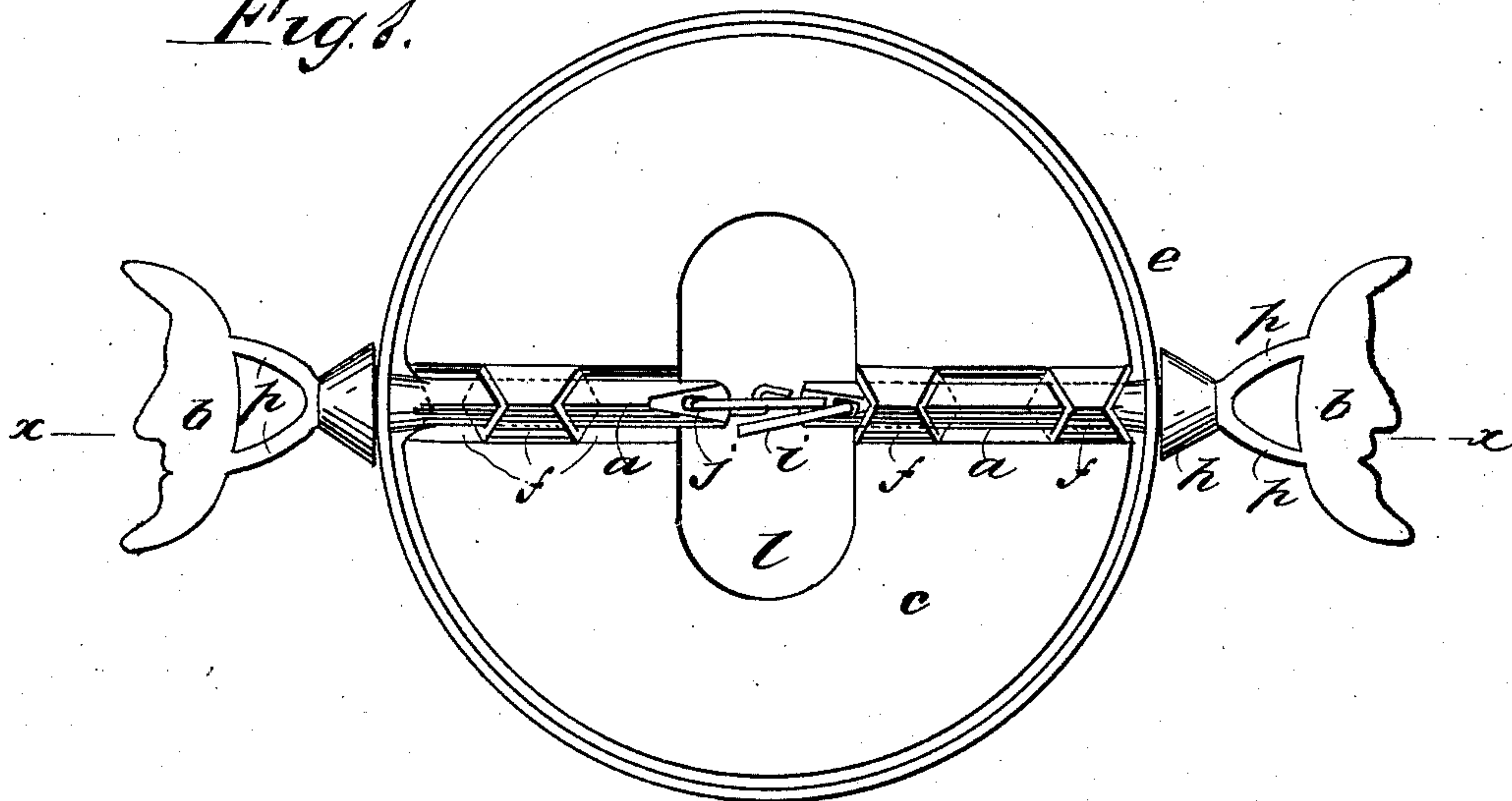


Fig. 2.

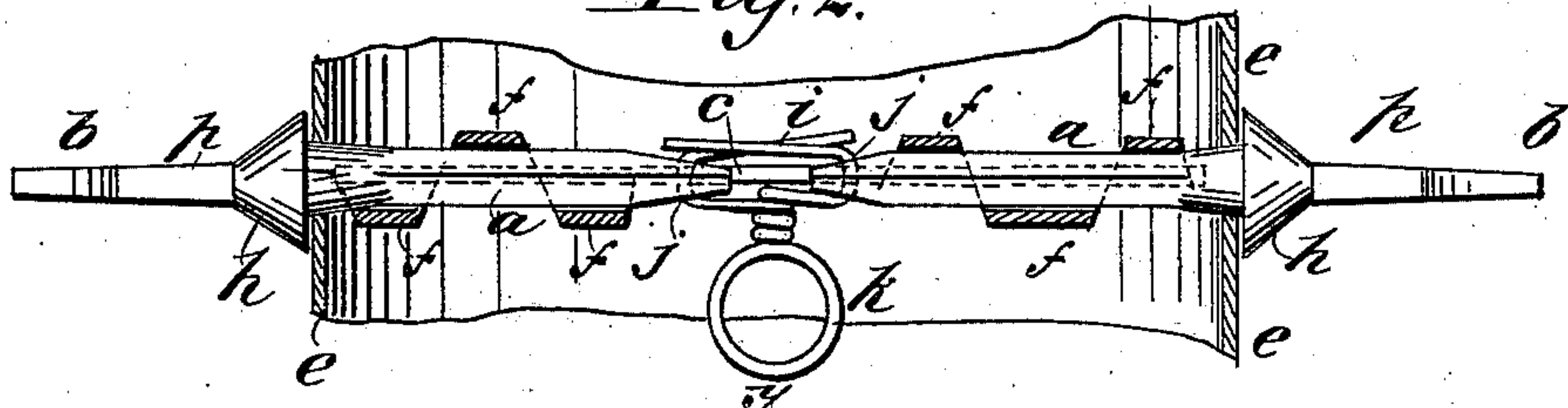


Fig. 3.

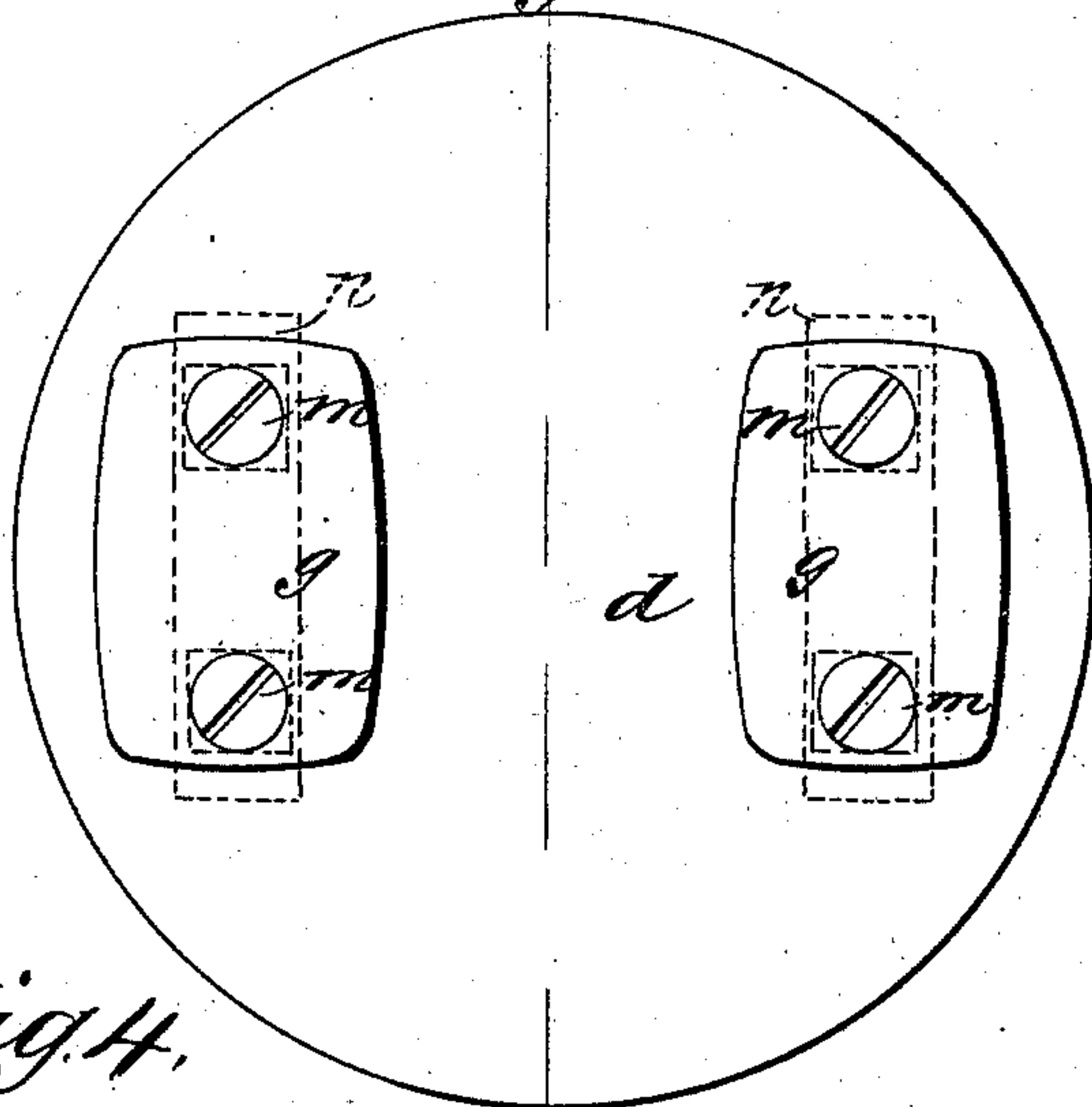


Fig. 4.

WITNESSES:

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WILLIAM E. BEILMAN, OF BUFFALO, NEW YORK.

STOVE-PIPE DAMPER.

SPECIFICATION forming part of Letters Patent No. 300,559, dated June 17, 1884.

Application filed October 11, 1883. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM E. BEILMAN, of Buffalo, Erie county, New York, have invented a new and Improved Stove-Pipe Damper, of which the following is a full, clear, and exact description.

My invention consists of an improved means of connecting the pivot-rod for adapting the same to dampers of different sizes.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of a damper of cast-iron with my improvements, the damper being fitted to a section of stove-pipe. Fig. 2 is a section of Fig. 1 on line *xx*. Fig. 3 is a plan view of a sheet-iron damper contrived for the application of an adjustable pivot-rod, and Fig. 4 is a section of Fig. 3 on line *yy*.

I make the pivot-rod in two short sections, *a*, each having a handle or thumb-bit, *b*, said sections being together a little shorter than a single continuous rod would be for the smallest damper to which the rod is to be applied, so that said sections will not quite meet together when applied to the damper-plate *c* or *d*. These sections of the rod are to be inserted through the holes of the pipe *e* and in the sockets *f* of a cast-iron plate, *c*, or the clips *g* of a sheet-metal plate, said sections being shoved in until the shoulders *h* bear against the sides of the pipe. In the cast-metal plate *c* the inner ends of the said sections of the pivot-rod are then to be connected by a loop of wire having the end portions, *i*, passed through the holes *j* and hooked over, as shown, and the loop portion *k* twisted, as shown, to draw the two sections of the rod together. The damper

c has an opening, *l*, at the center to facilitate the fastening of the rod by the wire. When the rod is to be connected to the sheet-metal damper of Fig. 3, it is to be inserted the same way through the pipe and the clips *g*, said clips being slackened a little by their screws *m* for the purpose, and then the clips are screwed up tightly to hold the rod-sections by friction. The sheet-metal damper *d* is to be stiffened by plates *n*, which, with the clips *g*, form clamps, which add materially to the rigidity of the dampers by means of the connecting-screws *m* and the nuts *o* therefor. It will be seen that the rod may thus be used alike with dampers of different sizes, and that the rod may be effectually and very simply secured to the damper.

I propose to connect the handles or thumb-bits *b* with the outer ends of the pivot-rod by branches *p*, of small size and suitable length, to avoid the conducting of much heat to the thumb-bits, and thus render them safe for handling without danger of burning the fingers.

My improved damper—the one with sheet-iron body or plate more particularly—is applicable as well to the hot-air pipes of furnaces, for conveying air for warming buildings, as to the smoke-pipes leading to the draft-flue.

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

The combination, with the cast-metal damper-plate *c*, having pivot-sockets *f*, and a central opening, *l*, of the sectional pivot-rod *a* and a wire-tie, *i k*, connecting said sections of the pivot-rod, substantially as described.

WILLIAM E. BEILMAN.

Witnesses:

HENRY BRUNN,

HENRY J. BEILMAN.