

(No Model.)

O. DAMAN.  
STOVE BACK.

No. 338,252.

Patented Mar. 23, 1886.

Fig. 1

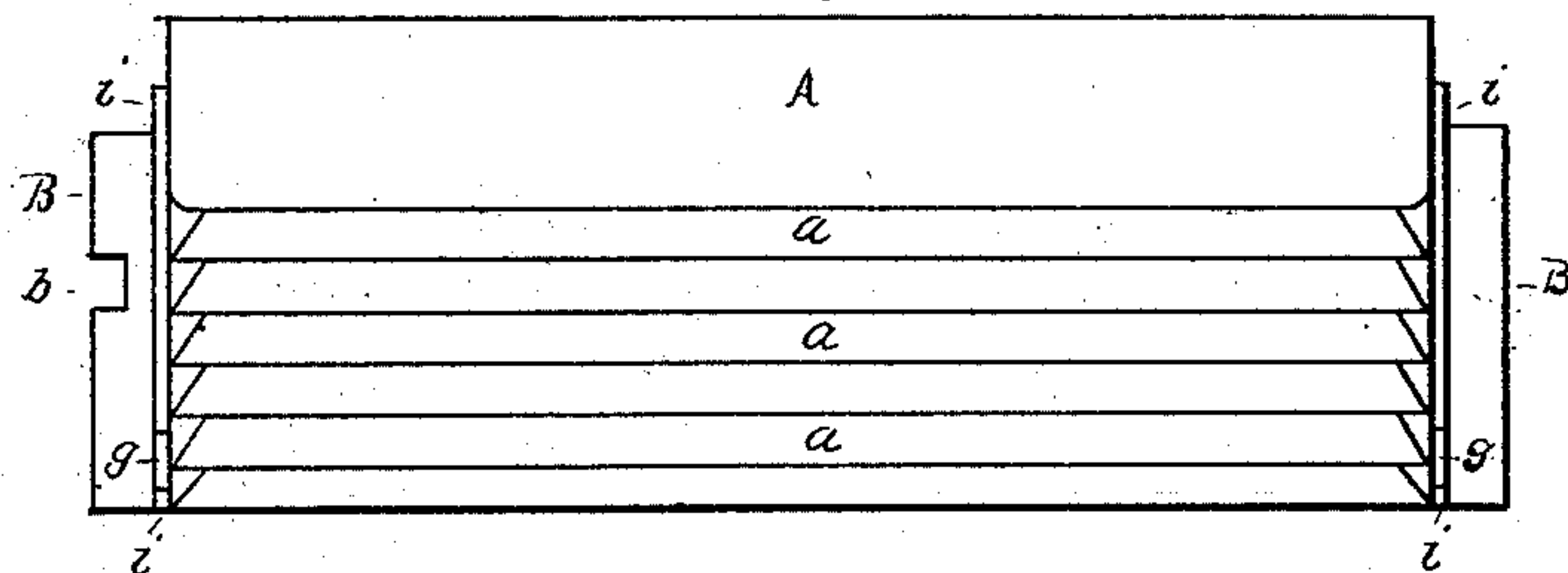


Fig. 2

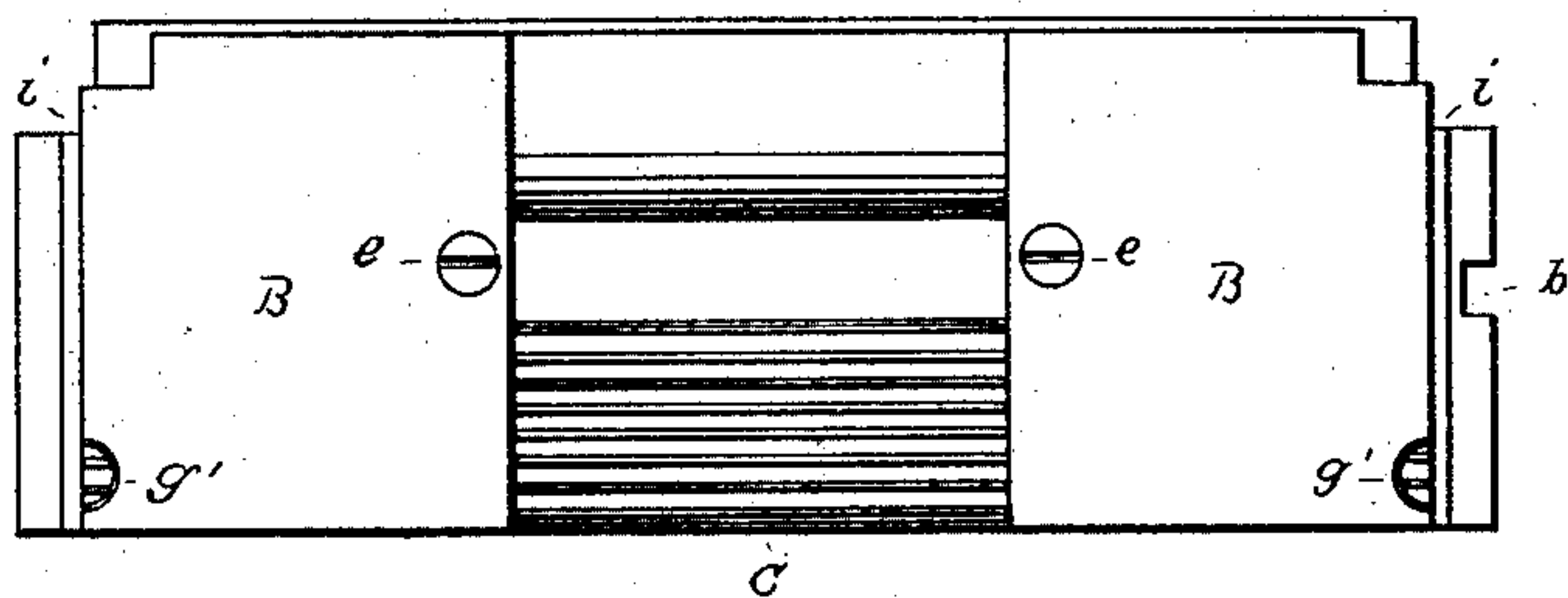


Fig. 3

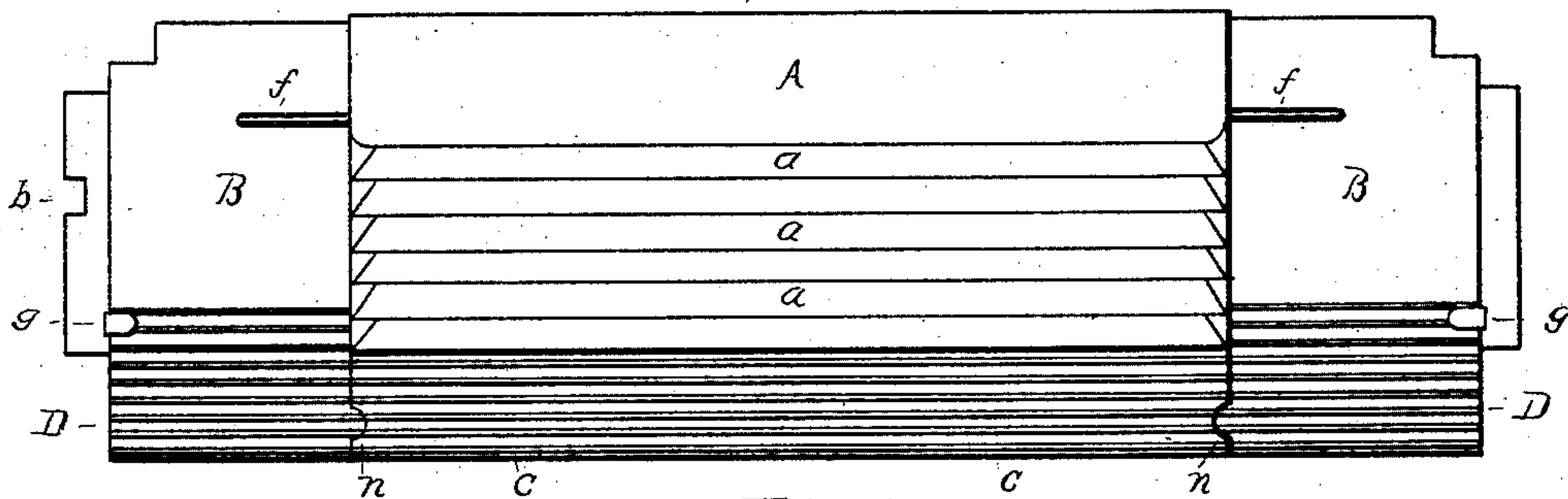


Fig. 4

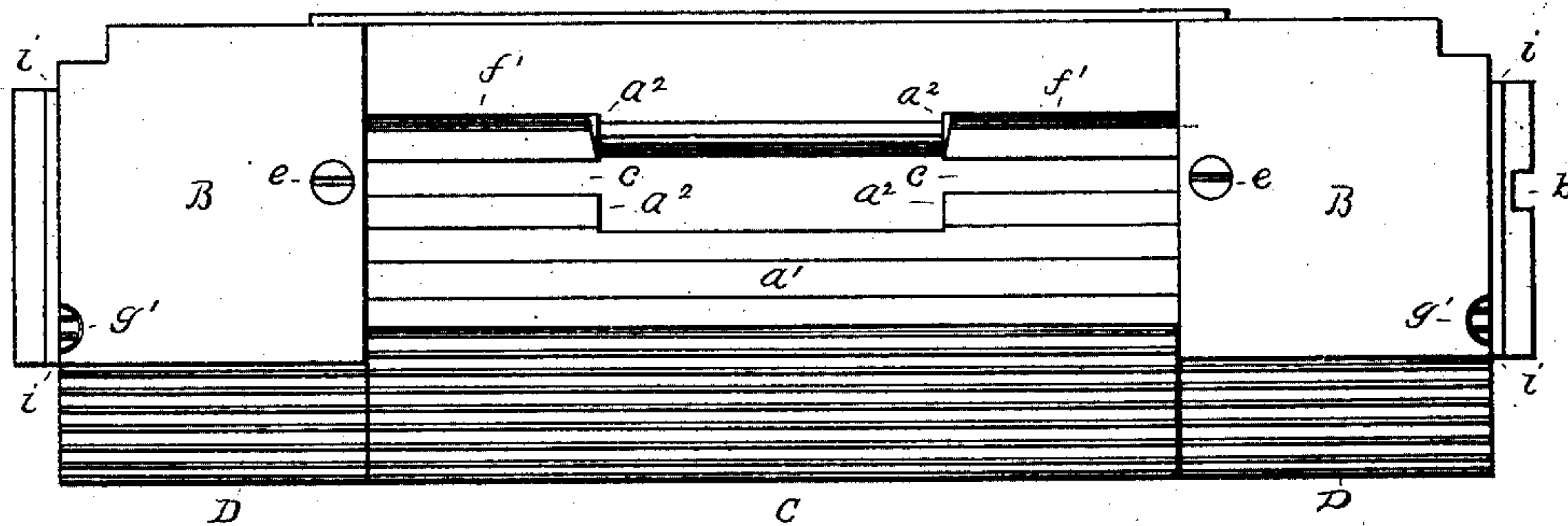
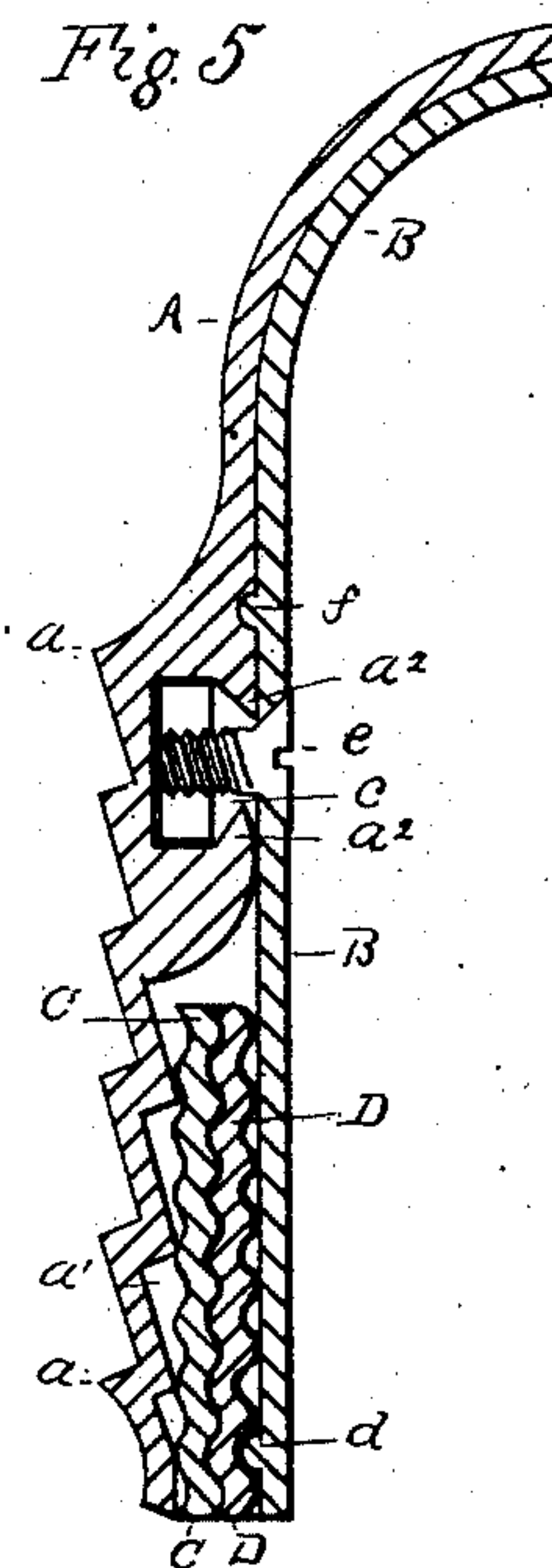


Fig. 5



Witnesses:

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C. J. Rockwood

Inventor:

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# UNITED STATES PATENT OFFICE.

OSCAR DAMAN, OF MINNEAPOLIS, MINNESOTA.

## STOVE-BACK.

SPECIFICATION forming part of Letters Patent No. 338,252, dated March 23, 1886.

Application filed February 2, 1885. Serial No. 154,606. (No model.)

*To all whom it may concern:*

Be it known that I, OSCAR DAMAN, a citizen of the United States, residing at Minneapolis, in the county of Hennepin and State of Minnesota, have invented a new and useful Improvement in Stove-Backs, of which the following is a specification.

My invention relates to adjustable stove-backs; and the object of the improvement is the production of a cheap and durable stove-back which can be readily adjusted longitudinally and laterally, to fit stoves of nearly all the well-known patterns.

My improvements are illustrated in the accompanying drawings, in which Figures 1 and 2 are respectively front and rear views of the closed back; Figs. 3 and 4, the same views, respectively, of the extended back; and Fig. 5, an enlarged transverse section through the screw-bolts of the closed back shown in Figs. 1 and 2.

In the drawings, A is the body or front plate of the stove-back. B B are the sliding rear plates, and C D D the interposed plates. The body A has its upper portion rearwardly curved, and below the curved portion has a series of horizontal ridges, *a*, which have flat or nearly flat upper surfaces, and stand out about a fourth inch from the face of the plate. Such ridges allow ashes to accumulate upon them to protect the plate from being burned out. There may be corresponding corrugations at the inside of the plate, as *a'*, so that the metal may be of nearly uniform thickness, and a roughened surface presented for grasping the interior plates more firmly.

*c c* are grooves along the under side of the body A, formed by the channeled ribs *a*<sup>2</sup>, which extend from each end of the body about one-third its length. The back plates, B, are each the same width as, and about one-third the length of, the front plate, A, and may be flat pieces with their upper portions curved to conform to the curve of the plate A. These

plates are connected to the body A by means of screw-bolts *e*, passing through the plates B near their inner edges, and having their nuts in the grooves *c*, in which the bolts are made to slide. Horizontal ribs *f* on the plates B fit into grooves *f'* on the body A, and serve to

guide the sliding plates. The ends of the plates B project a half-inch or more beyond the body, and have their upper corners notched to fit the projecting end of the stove-jamb. A notch, *b*, is also made in one of the ends, to fit a lug usually provided in stoves for securing the stove-back. These projecting ends are crooked on the line *i i*, so as to bring the projecting portions nearly or quite in line with the inner surface of the body A, thus forming an interior space with closed ends.

The intermediate plates, C and D D, are about two inches wide and an eighth inch thick, and are corrugated lengthwise. The loose plate C is preferably made the same length as the body A, and the loose plates D the same length. The plates D are placed next to the plates B, with their ends under the hook-shaped lugs or guides *g*. These lugs project inwardly from the bent portions of the plates B, and stand up about one-fourth inch from the surface and serve to guide the ends of the plates D as they are pushed up or down, and also to prevent them, as well as the plate C, from being pushed outward endwise too far when the outer plates, A and B, are somewhat separated for adjustment of the parts. As the ends of the plate C cannot be passed under the lugs *g*, and as the lugs would strike against them when the plates B were being pushed inward, there are provided notches *n* in the ends of the plate C, into which the lugs enter when the plates B are pushed toward the middle. When the plates B are drawn outward, the plate C is freed and can be lowered. *g'* are openings in the plates B, beneath the lugs, for convenience in casting. These loose plates are held in place by being clamped between the body-plate A and the plates B. The ribbed under surface of the body-plate prevents slipping on that surface, and to avoid slipping on the plates B there is provided along the lower edge of each of them a rib, *d*, fitting the corrugations of the interior plates.

In adjusting the stove-back, if it is desired to extend it without widening it, the screws of the screw-bolts *e* are loosened, and the plates B and D can be drawn out to the required points of extension, the plate C re-

maining in place, when the screws may be again tightened. If a widening as well as lengthening is required, the screws being loosened as before, the plates B and D are drawn out to the proper length, and the plates C and D are let down to give the desired width, and the screws are again tightened, effecting a firm clamping of the several plates.

If the stove-back is to be used without widening, the loose plates C and D may be removed, if desired, and if it is to be widened without lengthening, the plates D may be dispensed with.

Having described my invention, what I claim as novel, and desire to secure by Letters Patent, is—

1. A stove-back composed of the body A, having horizontal ridges *a*, and provided with grooves *c* and *f'*, the sliding plates B, connect-

ed to said body by screw-bolts *e* in said grooves *c*, the lugs *g*, and ribs *f* and *d* on said sliding plates, and the interposed adjustable corrugated plates, C and D, substantially as set forth.

2. The combination, with the body A, provided with the groove *c*, and the plates B, sliding horizontally thereon by means of the groove *c* and bolts *e*, of the bolts *e*, the loose plates D, fitting under lugs *g* on said plates B, and the loose plate C, having notches *n* to fit over said lugs, the said body and sliding plates being adapted to clamp and retain said loose plates when said screw-bolts are tightened, substantially as set forth.

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Witnesses:

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