

(No Model.)

J. ADRIANSON.
STOVE SCREEN AND FENDER.

No. 485,363.

Patented Nov. 1, 1892.

Fig. 1.

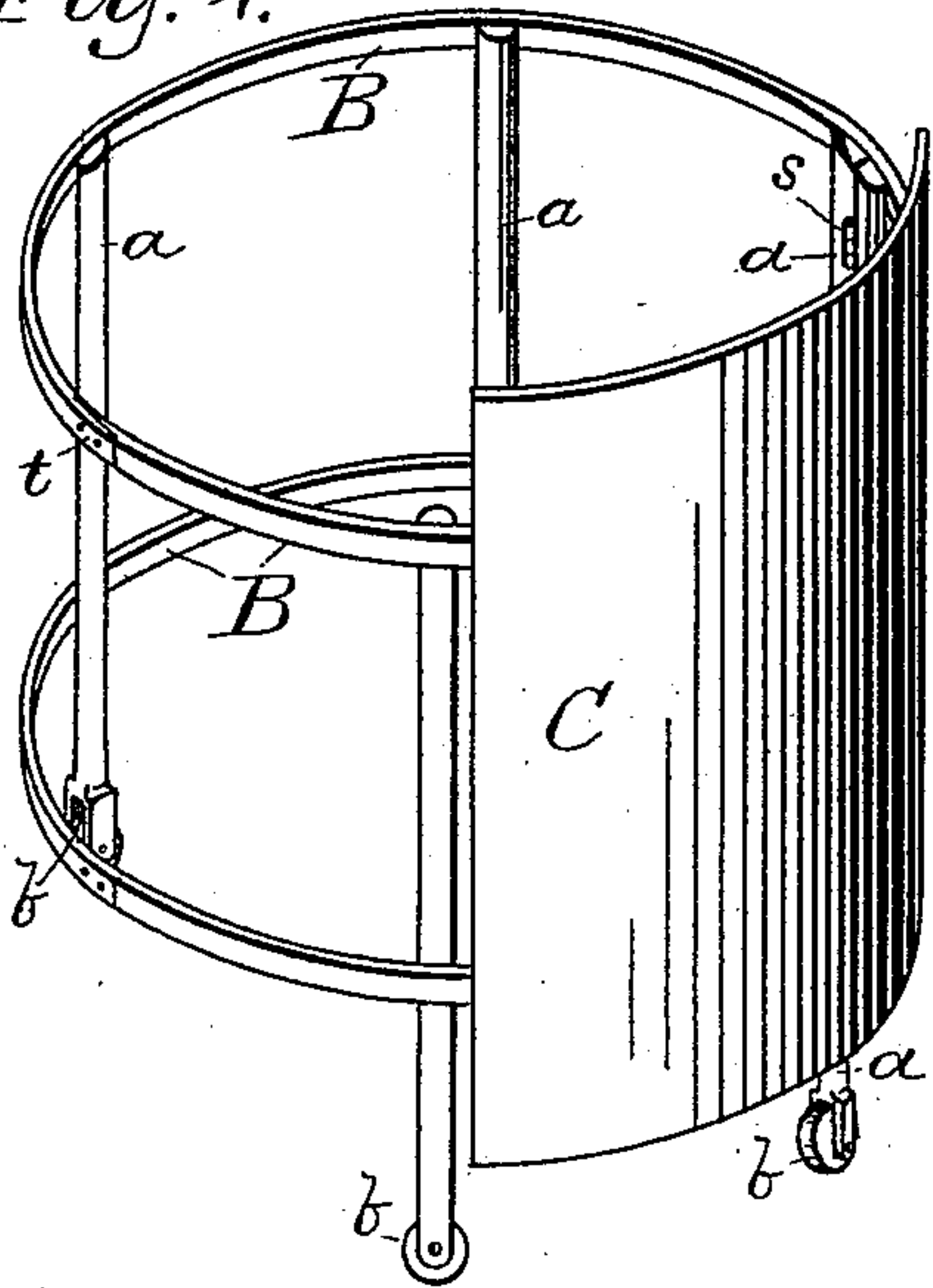


Fig. 2.

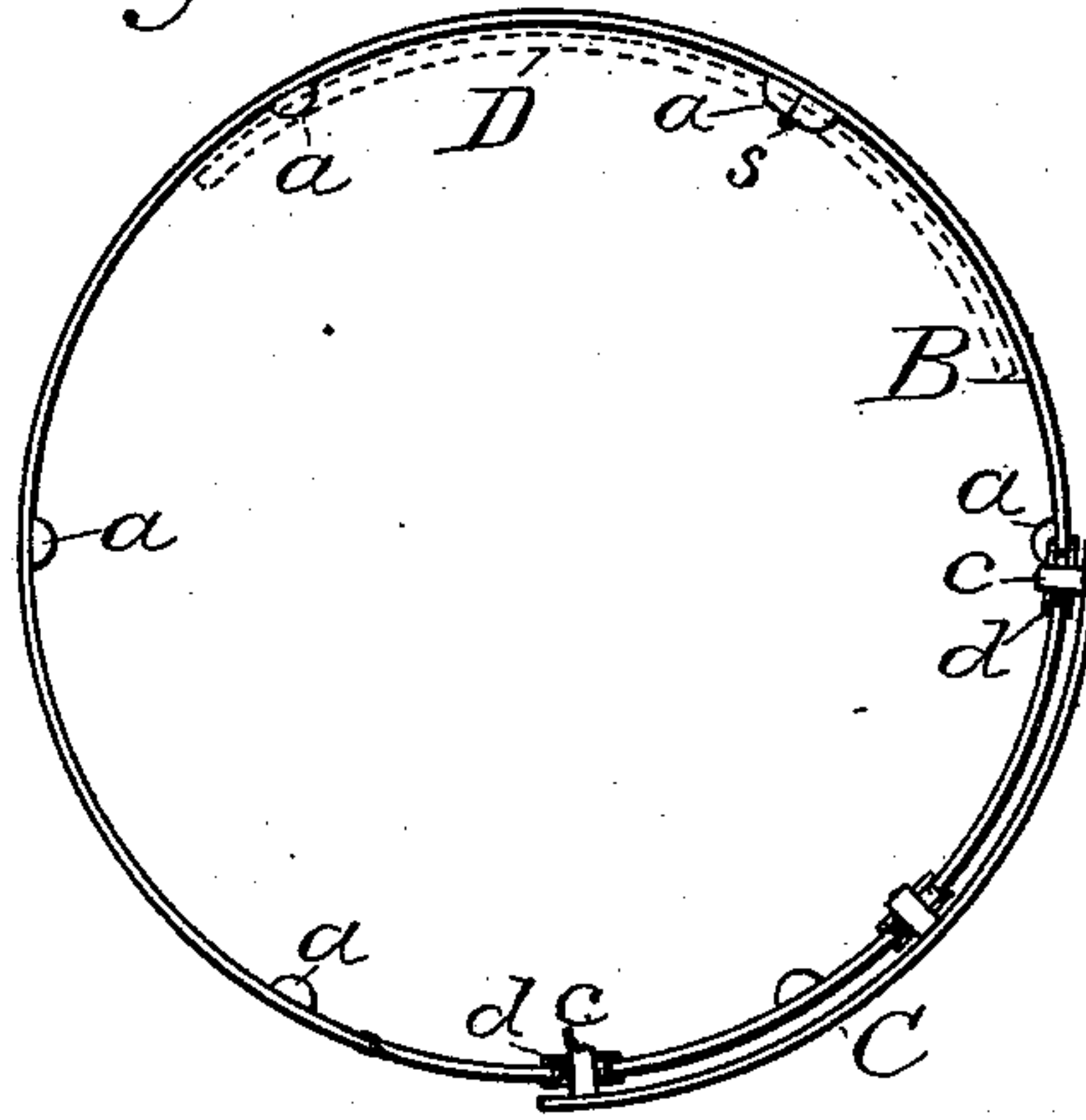


Fig. 5.

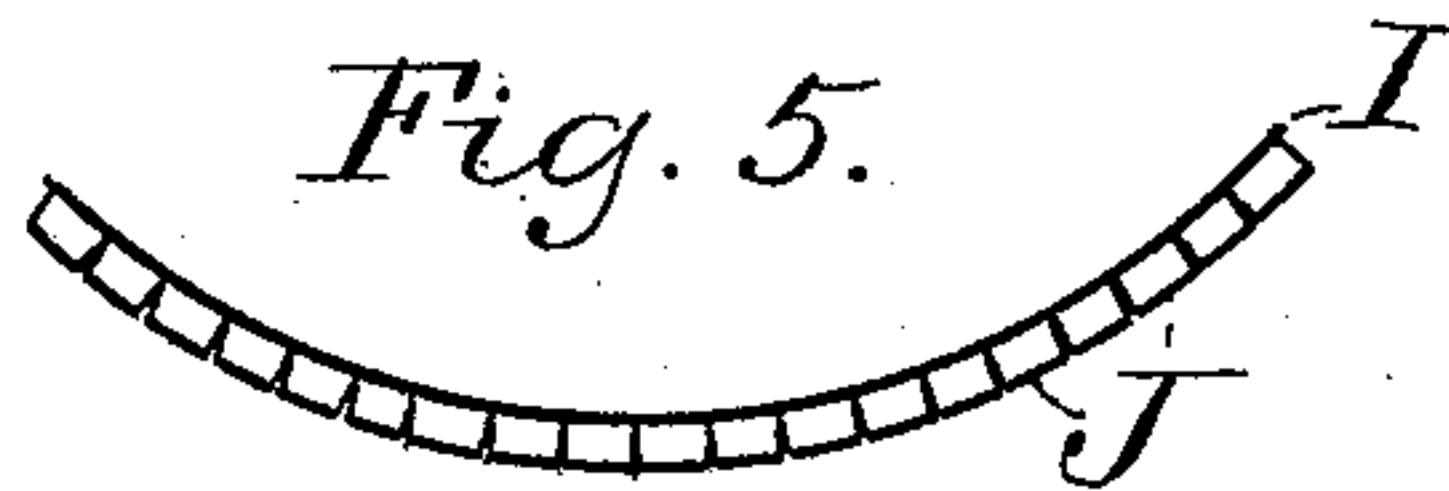


Fig. 3.

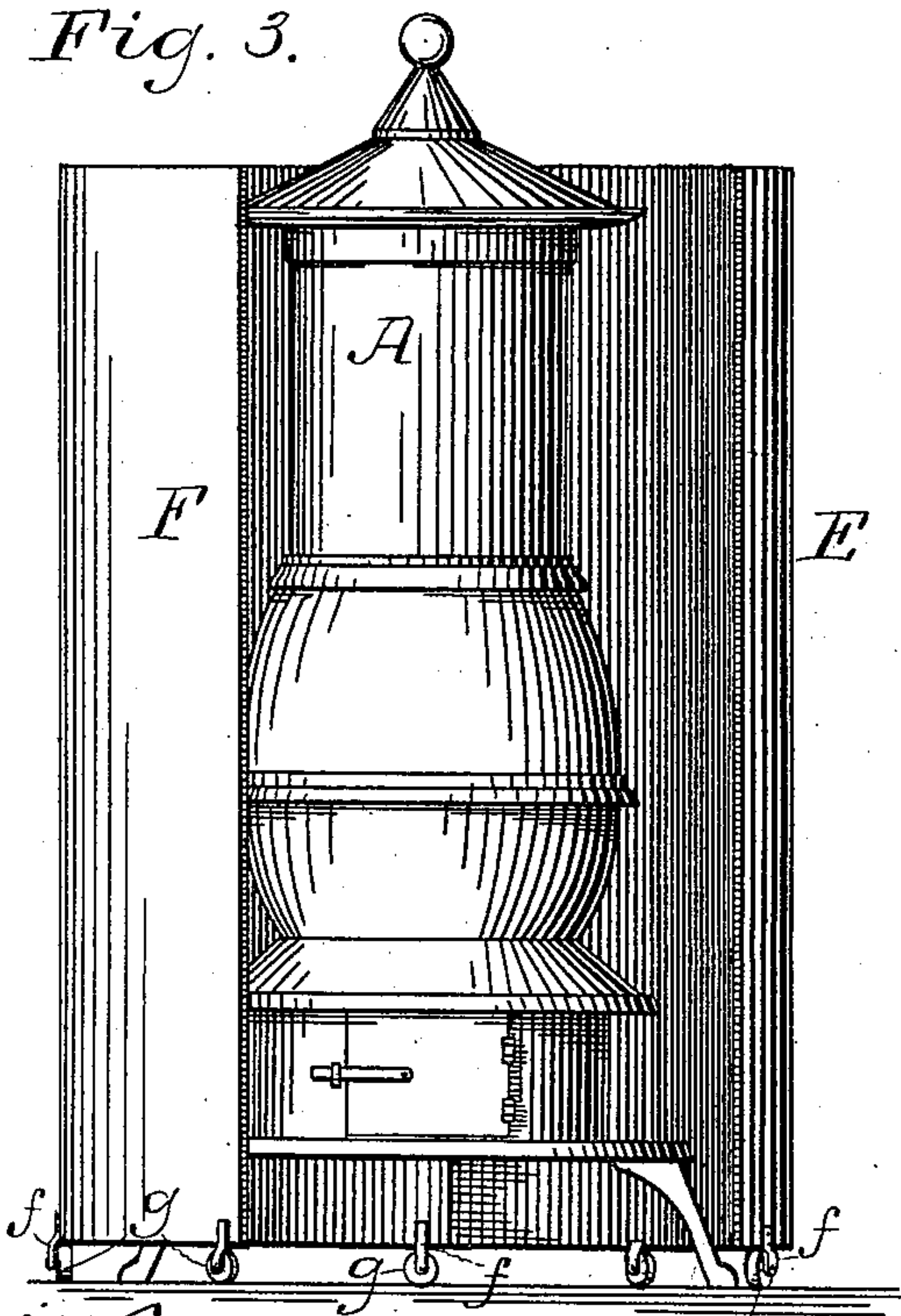
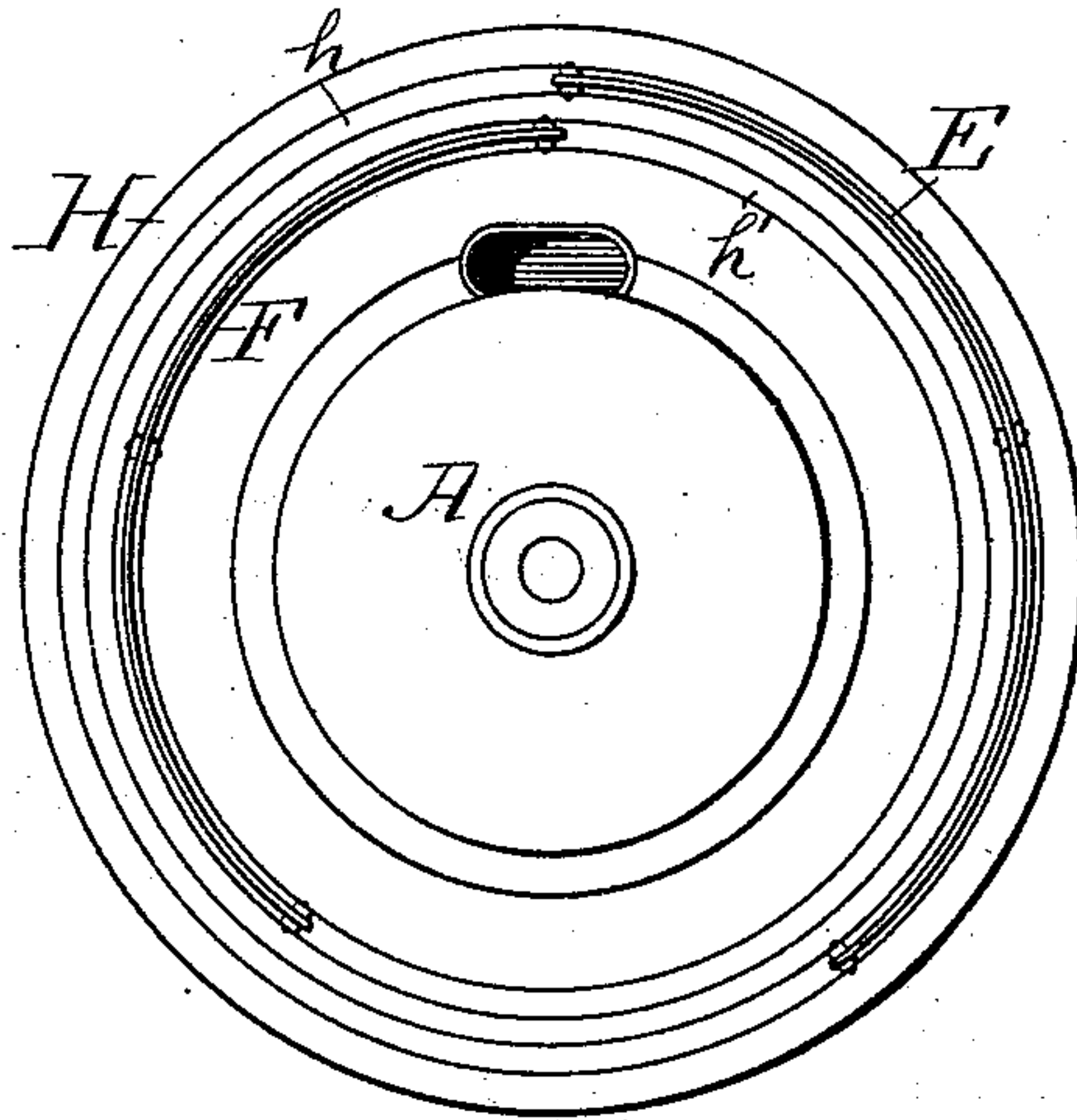


Fig. 4.



Witnesses: I
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UNITED STATES PATENT OFFICE.

JOHN ADRIANSON, OF CHICAGO, ILLINOIS.

STOVE SCREEN AND FENDER.

SPECIFICATION forming part of Letters Patent No. 485,363, dated November 1, 1892.

Application filed July 20, 1891. Serial No. 400,113. (No model.)

To all whom it may concern:

Be it known that I, JOHN ADRIANSON, of Chicago, Cook county, Illinois, have invented certain new and useful Improvements in Stove Screens and Fenders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The object of my invention is to provide a screen which may be moved in a definitive course independent of the stove, so as to surround a part or the whole of the same, and thus protect a portion or the whole of its environs from the heat, substantially as herein-
after fully described, and as illustrated in the drawings, in which—

Figure 1 shows a perspective view of my invention. Fig. 2 shows a plan view of the same. Fig. 3 shows a front elevation of a modified form of my invention, and Fig. 4 shows a plan view thereof.

In the drawings, A represents a stove or other heat-generator, which has surrounding it a frame B, consisting of several parallel and circumferential rails, which are supported by vertical posts *a a*. If desired, these posts may be provided with casters *b*, so that the said frame may be moved in a circular course around the stove, so as to bring a screen C in front of or opposite any part thereof desired.

Screen C consists of a segmental or straight sheet-metal shield, which is secured to frame B, as shown in Fig. 1, and carried thereby when it is moved to any position desired, or which may by means of lugs *c*, projecting from its inner surface, having concave traveler-wheels *d*, journaled in their extremities, travel on the upper and lower rails of frame B, which are constructed for this special purpose.

In Fig. 2 I show in dotted lines a screen D, which, instead of being outside of frame B, is inside the same. It is intended to be movable and is supported upon the frame B by means of travelers *e*, similar to the travelers of screen C. When the screen D is used, I prefer to make the rails U-shaped, so that, as will be readily understood, said screens can be moved past each other in either direction without interference. When using two screens C and D in this manner, I prefer to have each screen of a length corresponding to about one-half the circumference of the frame B, so that,

if desired, the screens can be made to entirely surround the stove or screen but one-half the same.

In Fig. 3 I show a modification of my invention, as above described. Here I show two screens E and F, which have feet *f f* that are preferably provided with casters *g*. These casters may rest upon the plain floor or may travel in circumferential grooves *h h'* in a mat. Whether guided in their movements by hand or by the grooves in which the casters travel, the course of the one is inside of the course of the other, although preferably concentric therewith, so that they can be moved past each other and made to protect a portion of the stove or the whole of the same.

In the construction of the screens hereinbefore alluded to I can, if desired, make them simply of sheet-metal plate or of any other suitable material, or I can construct them of an inferior sheet-metal plate H, with an exterior corrugated sheet-iron jacket on the outside, so as to form an air-chamber between the two walls thus made and more effectually prevent the radiation of the heat.

I prefer in the construction of the frame B to construct the same of two semicircular parts *x* and *y*, which are hinged together at one end, as shown at *s*, with their opposite ends preferably lapped past each other slightly and secured by transverse pins or screws *t*, substantially as shown. Constructed in this manner, all that it is necessary to do in order to make the screen surround the stove would be to open the frame, surround the stove therewith, and then secure the free ends of the semicircular parts of said frame together, as stated.

In Fig. 3 I show a modified construction of the screen itself, whereby it is rendered so flexible that if the course of the track or the frame B was otherwise than circular the screen would adapt itself to the course. This screen consists of a thin sheet of flexible metal or other suitable material I, which has secured to its outer surface the vertical strips J of non-combustible wood or other suitable material. These strips are, preferably, not more than one to two and one-half inches wide. Consequently they offer no resistance to the screen when moving in its curved course.

What I claim as new is—

1. The combination, with a heat-generator, of a segmental screen and adjustable tracks independent of and disconnected from said heat-generator upon which said screen travels,
5 so as to have a definitive course around said heat-generator.
2. The combination, with a heat-generator, of an independent movable frame encircling but disconnected from said generator and a
10 segmental screen supported by said frame and adjustable thereon around said generator.
3. The combination, with a heat-generator, of two separate and distinct screens, each of which is movable in a definite course of its
15 own around said generator, as set forth.

4. The combination, with a heat-generator of an independent frame encircling the same and two screens adjustable in either direction on said frame, so as to wholly or partially encircle said generator.

5. The combination, with a heat-generator, of an independent frame encircling the same, consisting of the two parts hinged together and provided with casters, so that they may be rolled on the floor, and a screen on said
25 frame, as and for the purposes set forth.

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Witnesses:

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