

No. 710,193.

H. HOEFLI.

Patented Sept. 30, 1902.

STOVE.

(Application filed Mar. 3, 1902.)

(No Model.)

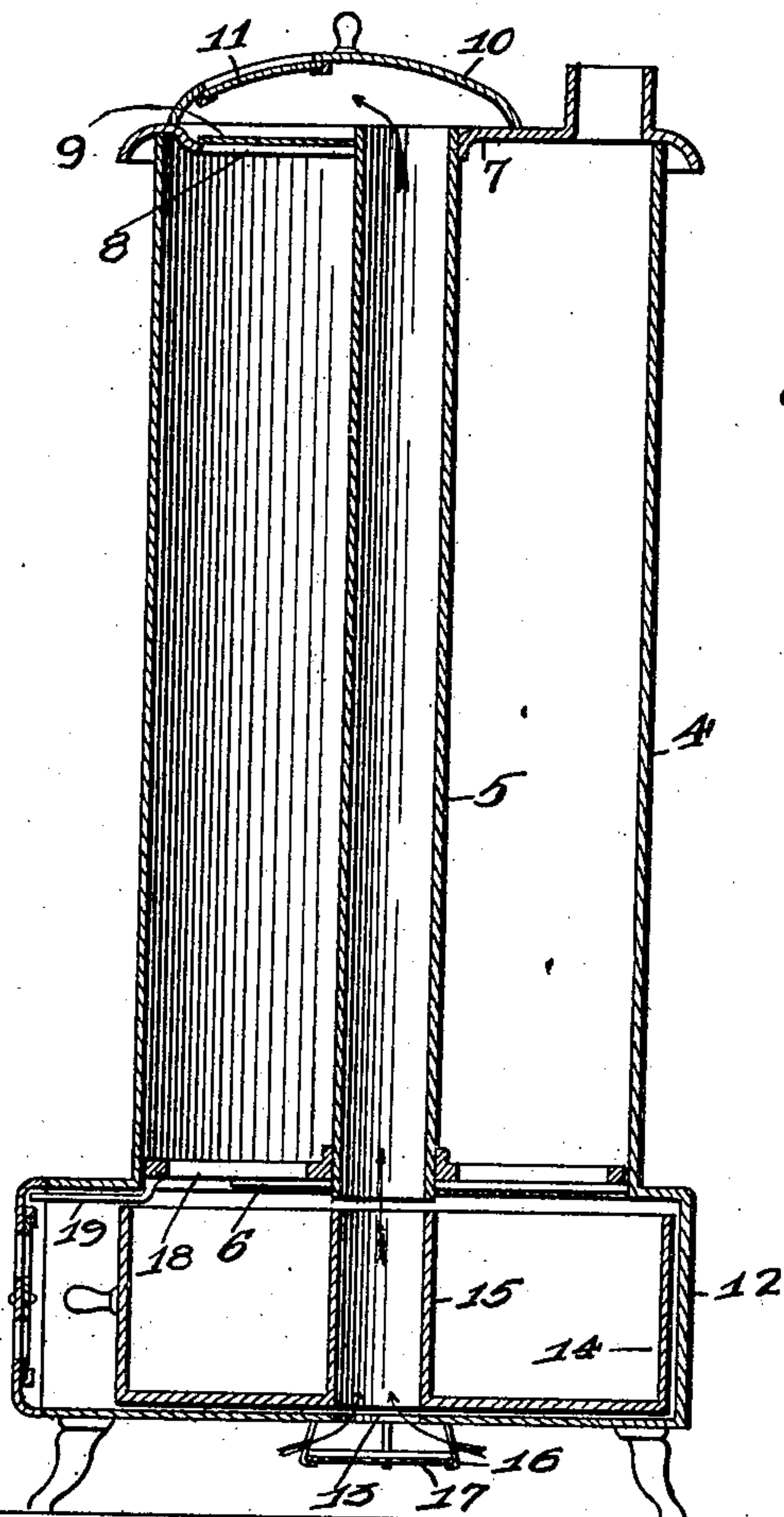


Fig. 1.

Fig. 2.

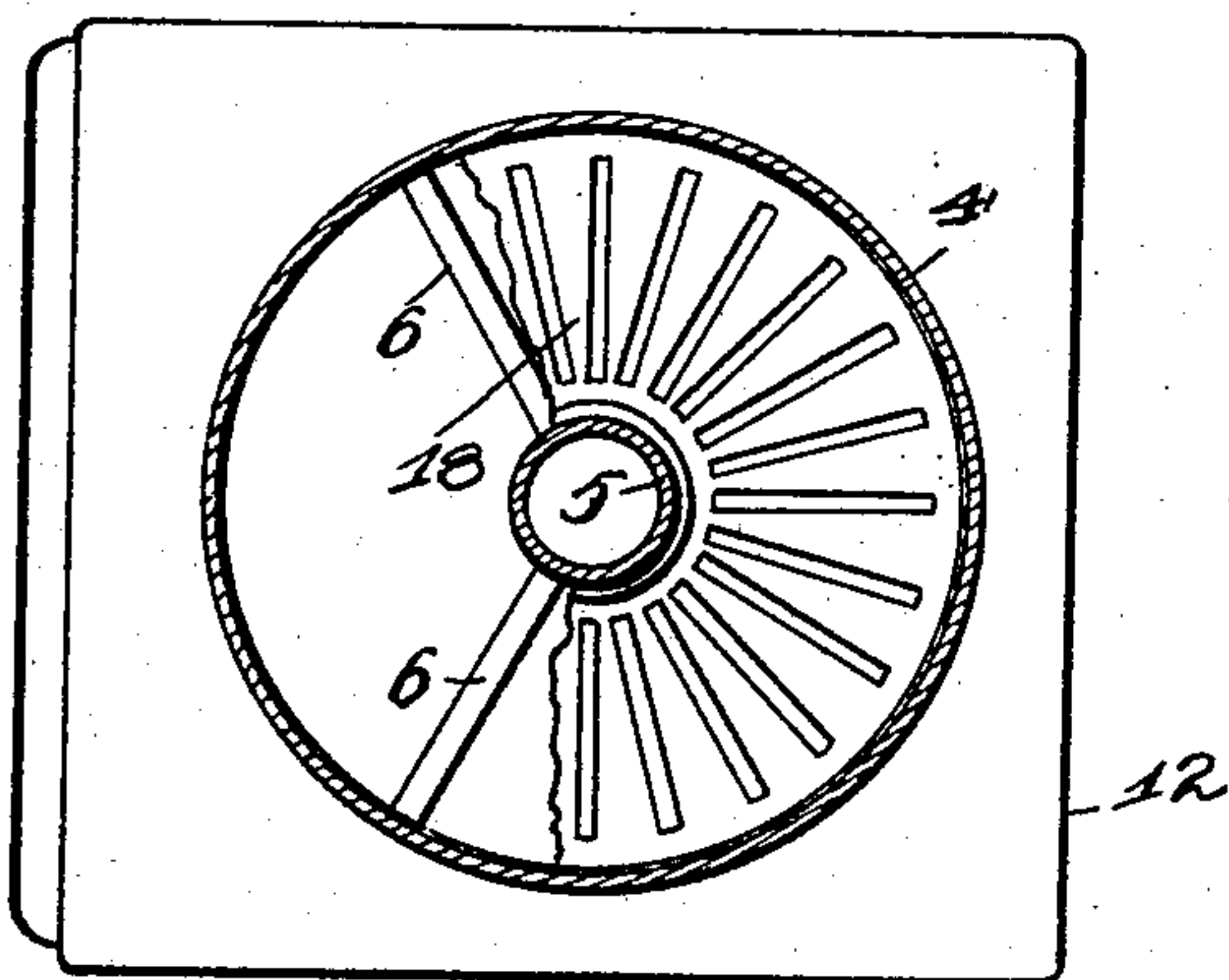
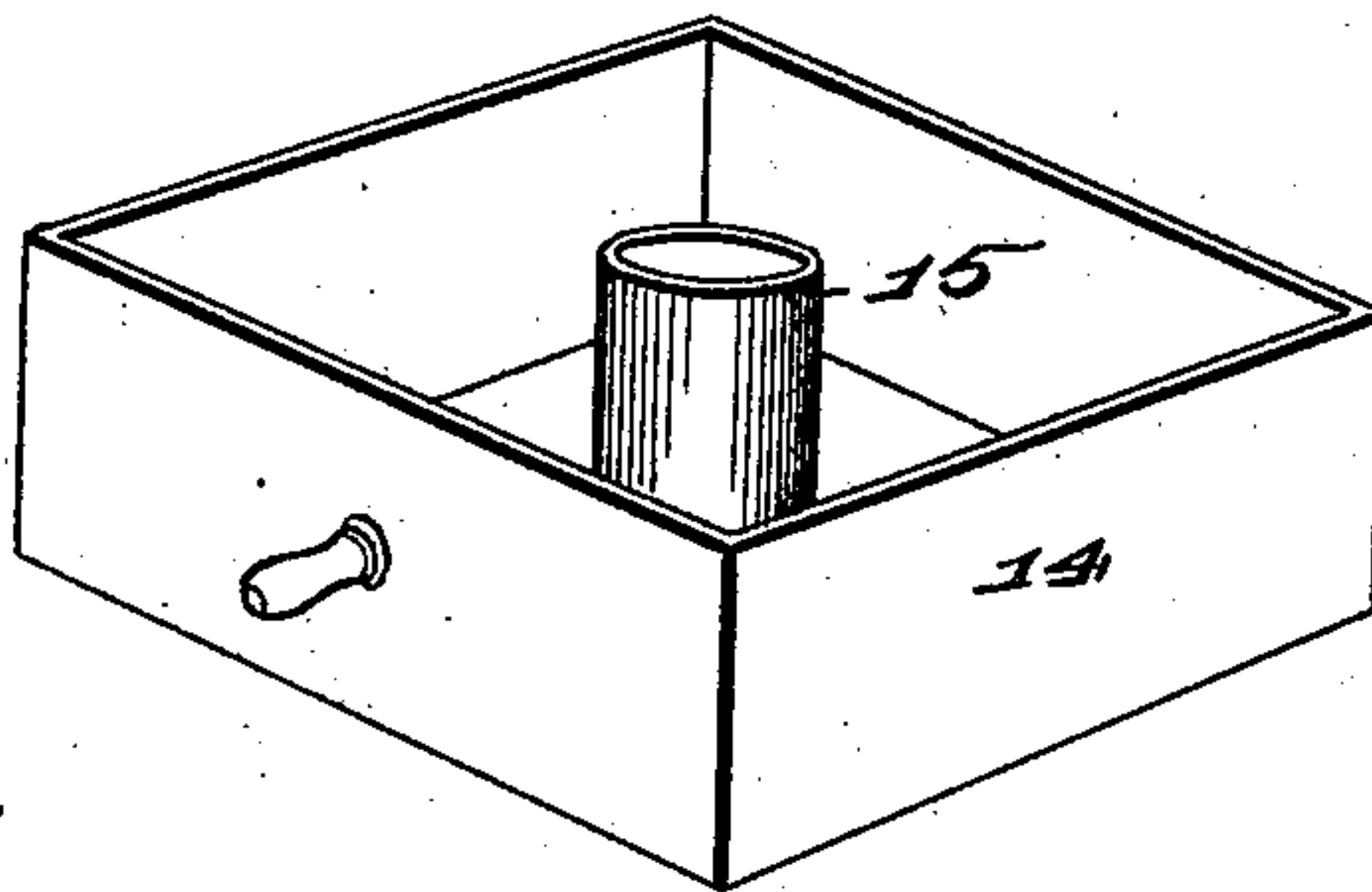


Fig. 3.



Witnesses
Alfred W. Eicher
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Inventor
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by Higdon & Longan Attys.

UNITED STATES PATENT OFFICE.

HENRY HOEFLI, OF ST. LOUIS, MISSOURI.

STOVE.

SPECIFICATION forming part of Letters Patent No. 710,193, dated September 30, 1902.

Application filed March 3, 1902. Serial No. 96,467. (No model.)

To all whom it may concern:

Be it known that I, HENRY HOEFLI, of the city of St. Louis, State of Missouri, have invented certain new and useful Improvements in Stoves, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to stoves; and it consists of the novel construction, combination, and arrangement of parts hereinafter shown, described, and claimed.

My object is to construct a stove having a hot-air flue; and my invention consists of a stove comprising a suitable body to serve as a fire-box, a hot-air flue mounted in said body and extending from the bottom to the top thereof, a framework connecting the lower end of the flue to the body, a top connecting the upper end of the flue to the body and having a flue-opening, a grate mounted upon the framework around the lower end of said hot-air flue, an ash-pan box below the fire-box, an ash-pan removably mounted in the ash-pan box, a flue mounted in the ash-pan in alinement with the first-mentioned hot-air flue, there being an opening through the bottom of the ash-pan box in alinement with said hot-air flues, a framework extending downwardly around said opening, and a pan mounted in said framework to catch fire and ashes that may fall downwardly through said opening.

Figure 1 is a vertical central section of a stove embodying the principles of my invention. Fig. 2 is a horizontal section above the grate. Fig. 3 is a view in perspective of the ash-pan.

Referring to the drawings in detail, the cylindrical body 4 forms the fire-box and may be of any suitable material or construction. The hot-air flue 5 is mounted vertically in the fire-box. The framework 6 connects the lower end of the hot-air flue to the lower end of the fire-box. The top 7 connects the upper end of the hot-air flue to the upper end of the fire-box, there being a fuel-opening 8 through said top 7 for the admission of fuel. A cover 9 closes said opening 8, and a second cover 10 is mounted upon the top 7 and closes the hot-air flue 5 and the opening 8, said cover 10 having a slide 11 to regulate the pas-

sage of air upwardly through the hot-air flue and through said cover 10.

The ash-pan box 12 is mounted under the fire-box 4 and is square or rectangular in form, as shown in Fig. 2, there being an opening 13 through the bottom of said ash-pan box. The ash-pan 14 is removably mounted in the ash-pan box 12, and the hot-air flue 15 is mounted in the ash-pan in alinement with the hot-air flue 5 and the opening 13. The framework 16 extends downwardly from the bottom of the ash-pan box around the opening 13, and a pan 17 is supported by said framework in vertical alinement with the hot-air flues for the purpose of catching any fire or ashes that may fall down the flues.

When the stove is in operation, air will pass upwardly through the opening 13, then through the flue 15, and then through the flue 5. The fire around the flue 5 will keep said flue hot and heat the air as it passes upwardly, and consequently hot air will be discharged through the slide-openings 11 at the top of the stove, and this draft of hot air may be regulated by said slide.

The grate 18 rests upon the framework 6 and rotates around the hot-air flue 5, and the handle 19 extends from the grate downwardly and outwardly in position to be operated through the door of the ash-pan box.

I claim—

1. A stove comprising a suitable body forming a fire-box; a hot-air flue mounted in the fire-box; a framework connecting the lower end of the hot-air flue to the lower end of the fire-box; a top connecting the upper end of the hot-air flue to the upper end of the fire-box and having a fuel-opening; a grate mounted upon the framework around the lower end of the hot-air flue; an ash-pan box mounted under the fire-box; an ash-pan removably mounted in the ash-pan box; and an air-flue mounted in the ash-pan in vertical alinement with the first-mentioned hot-air flue, there being an opening through the ash-pan box in vertical alinement with said flues; substantially as specified.

2. A stove comprising a suitable body forming a fire-box; a hot-air flue mounted in the fire-box; a framework connecting the lower end of the hot-air flue to the lower end of the fire-box; a top connecting the upper end of

the hot-air flue to the upper end of the fire-box and having a fuel-opening; a grate mounted upon the framework around the lower end of the hot-air flue; an ash-pan box mounted
5 under the fire-box; an ash-pan removably mounted in the ash-pan box; an air-flue mounted in the ash-pan in vertical alinement with the first-mentioned hot-air flue, there being an opening through the ash-pan box in vertical alinement with said flues; a framework
10 extending downwardly from the bottom of

the ash-pan box around said opening; and a pan mounted in said framework in vertical alinement with said flues to catch any fire and ashes that may fall down the flues; substantially as specified. 15

In testimony whereof I affix my signature in presence of two witnesses.

HENRY HOEFLI.

Witnesses:

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