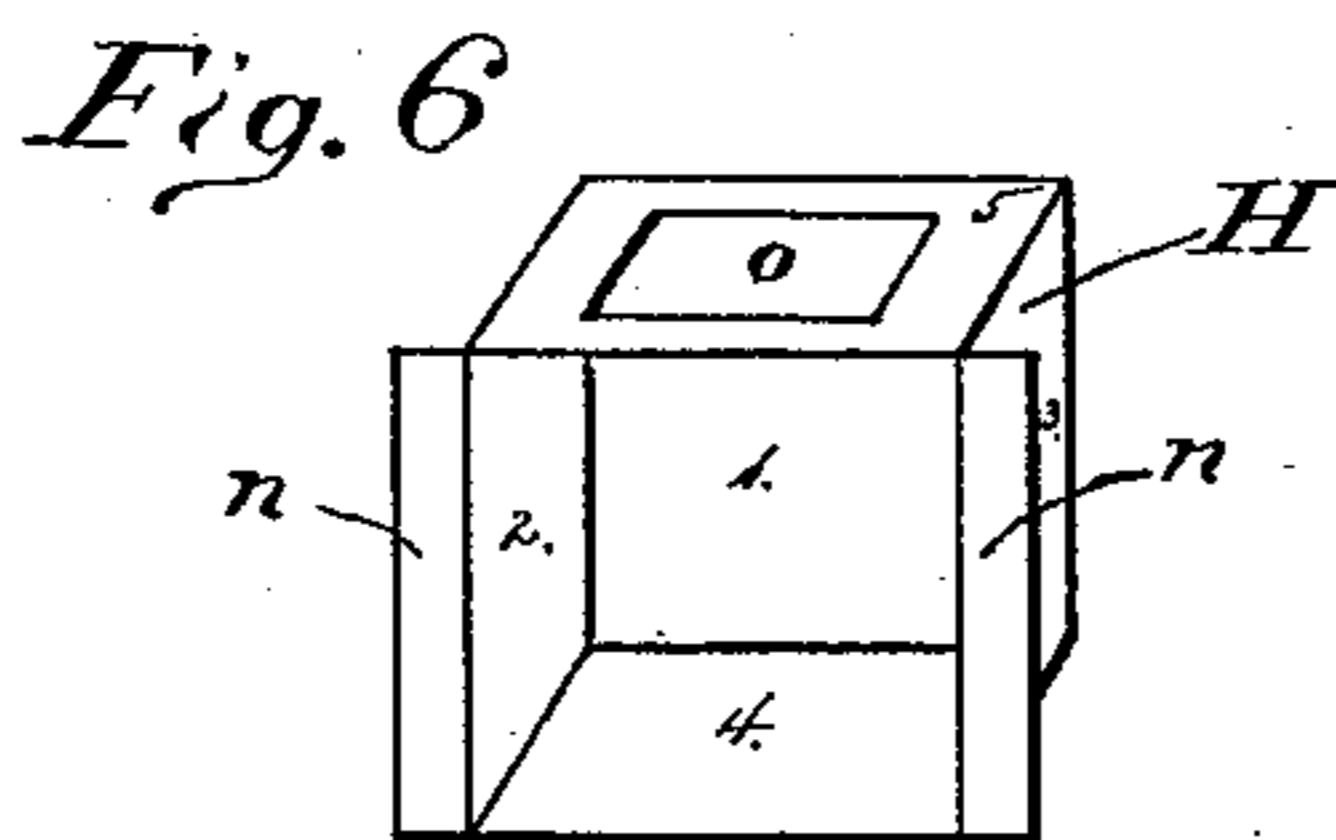
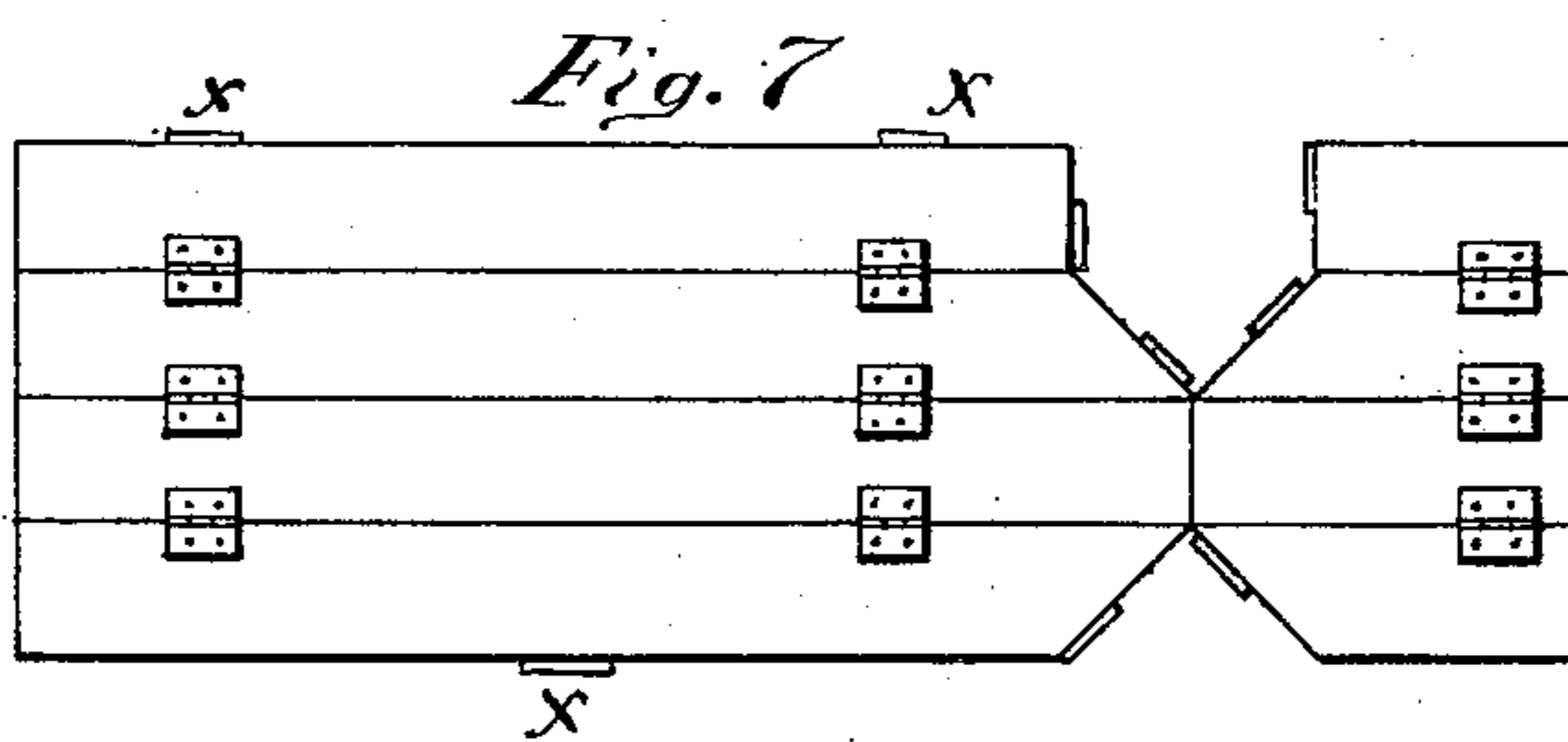
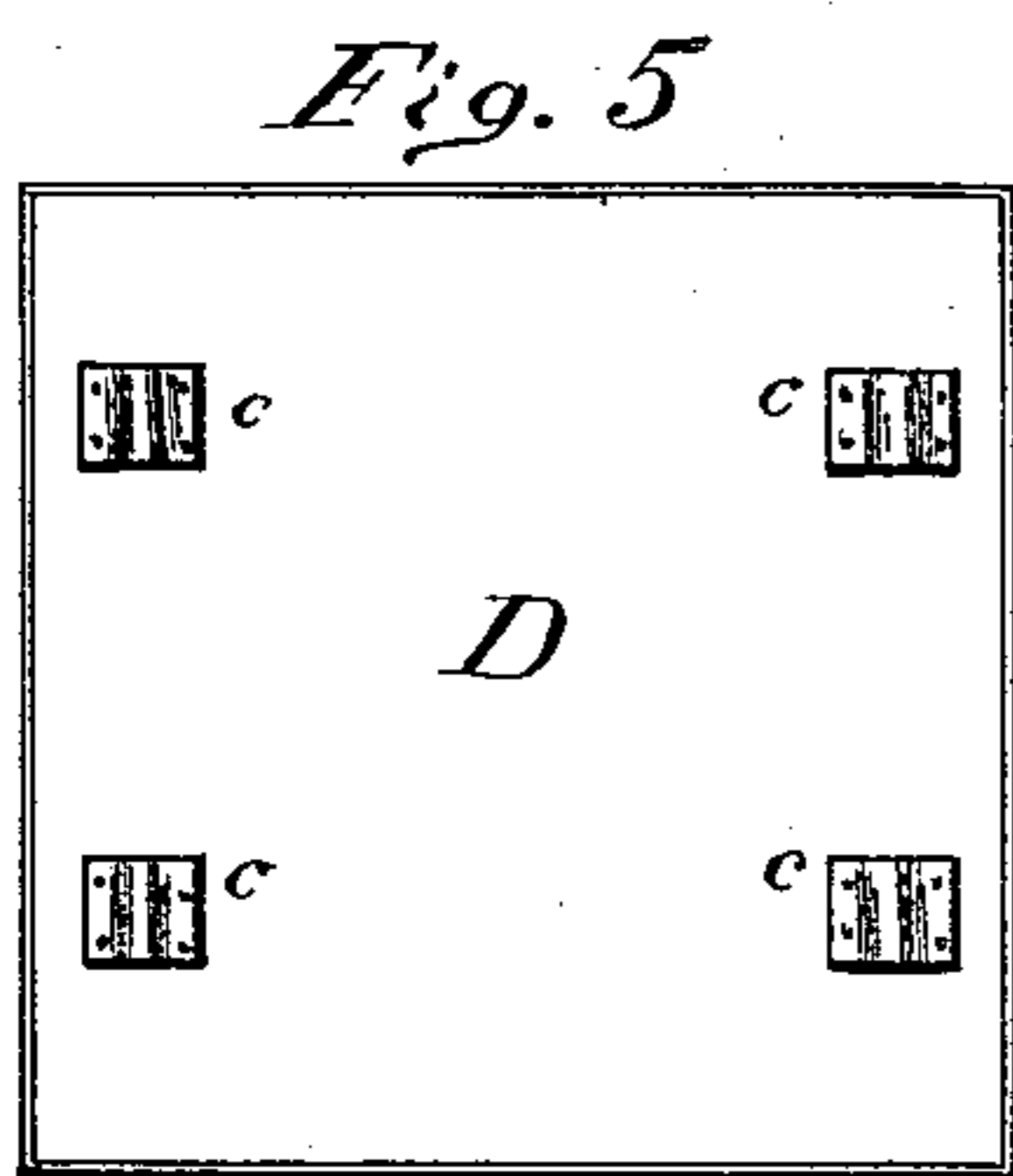
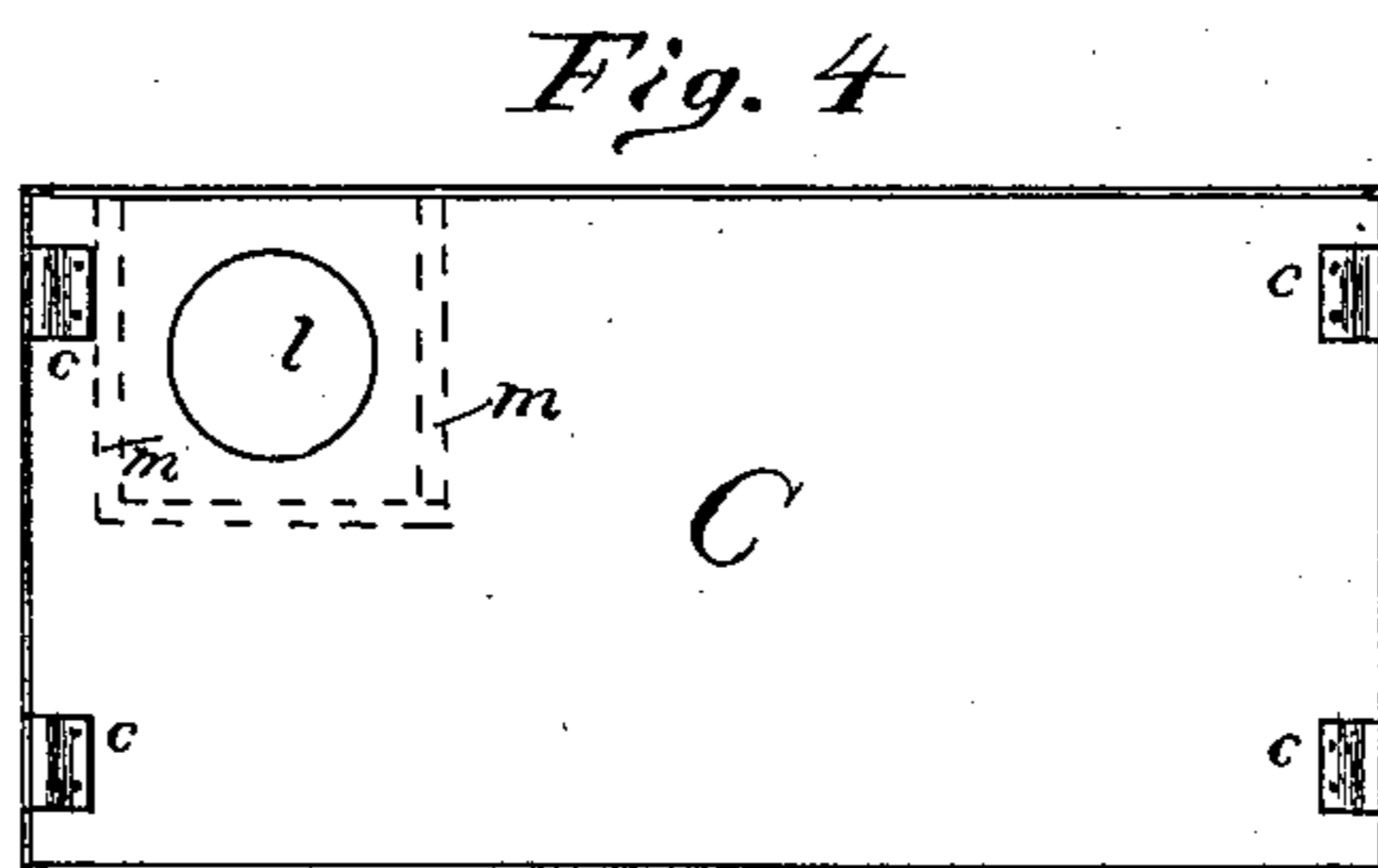
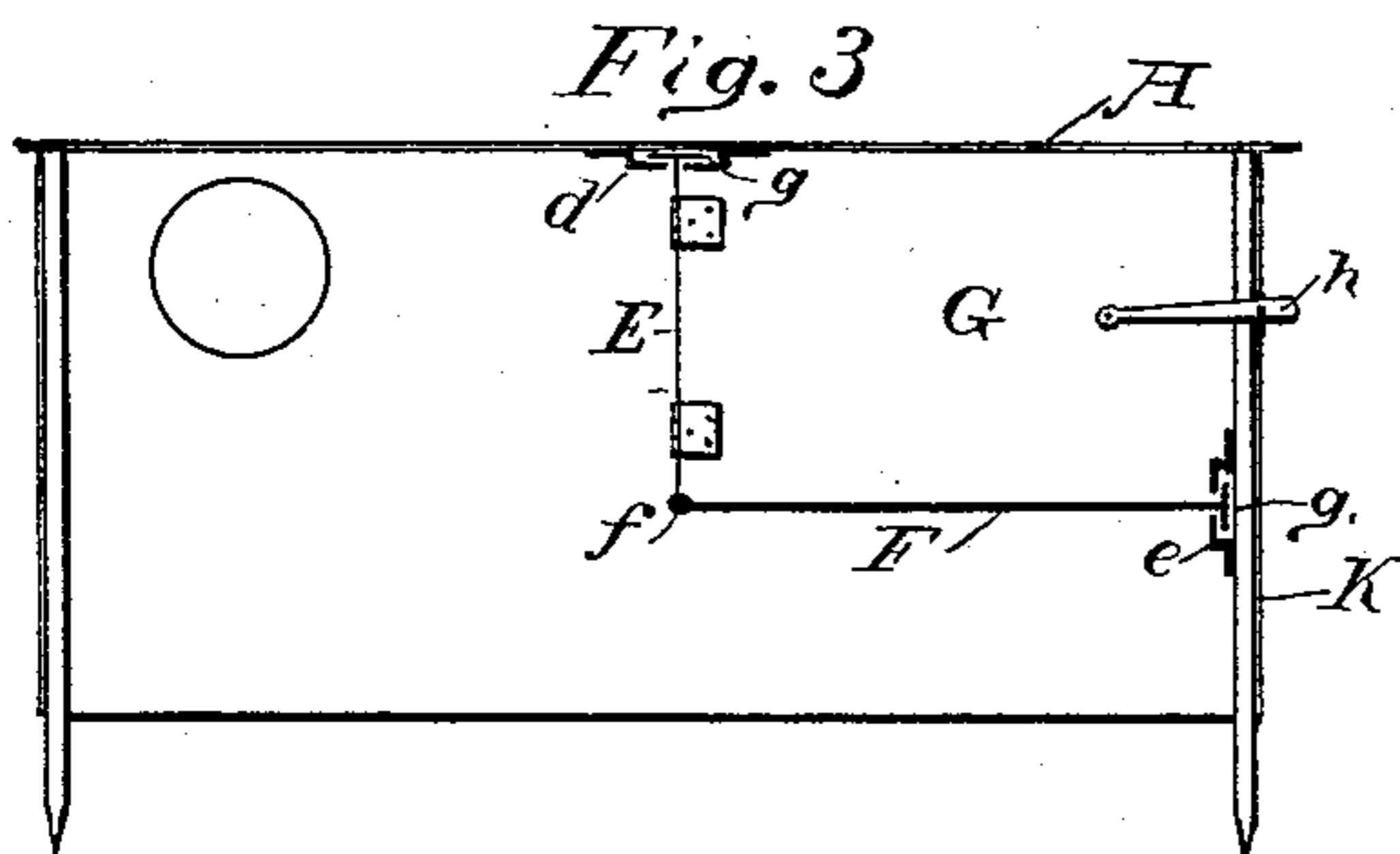
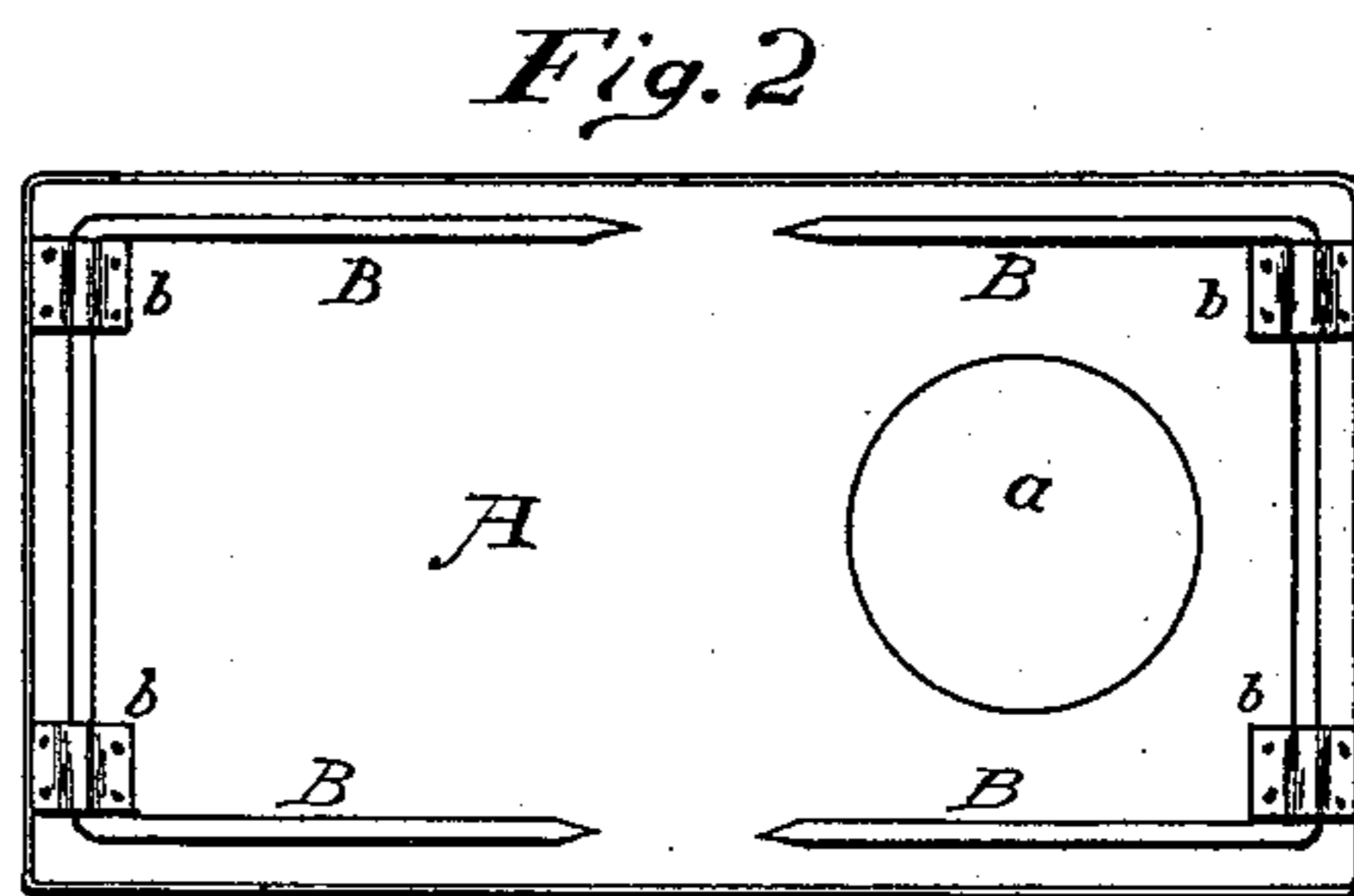
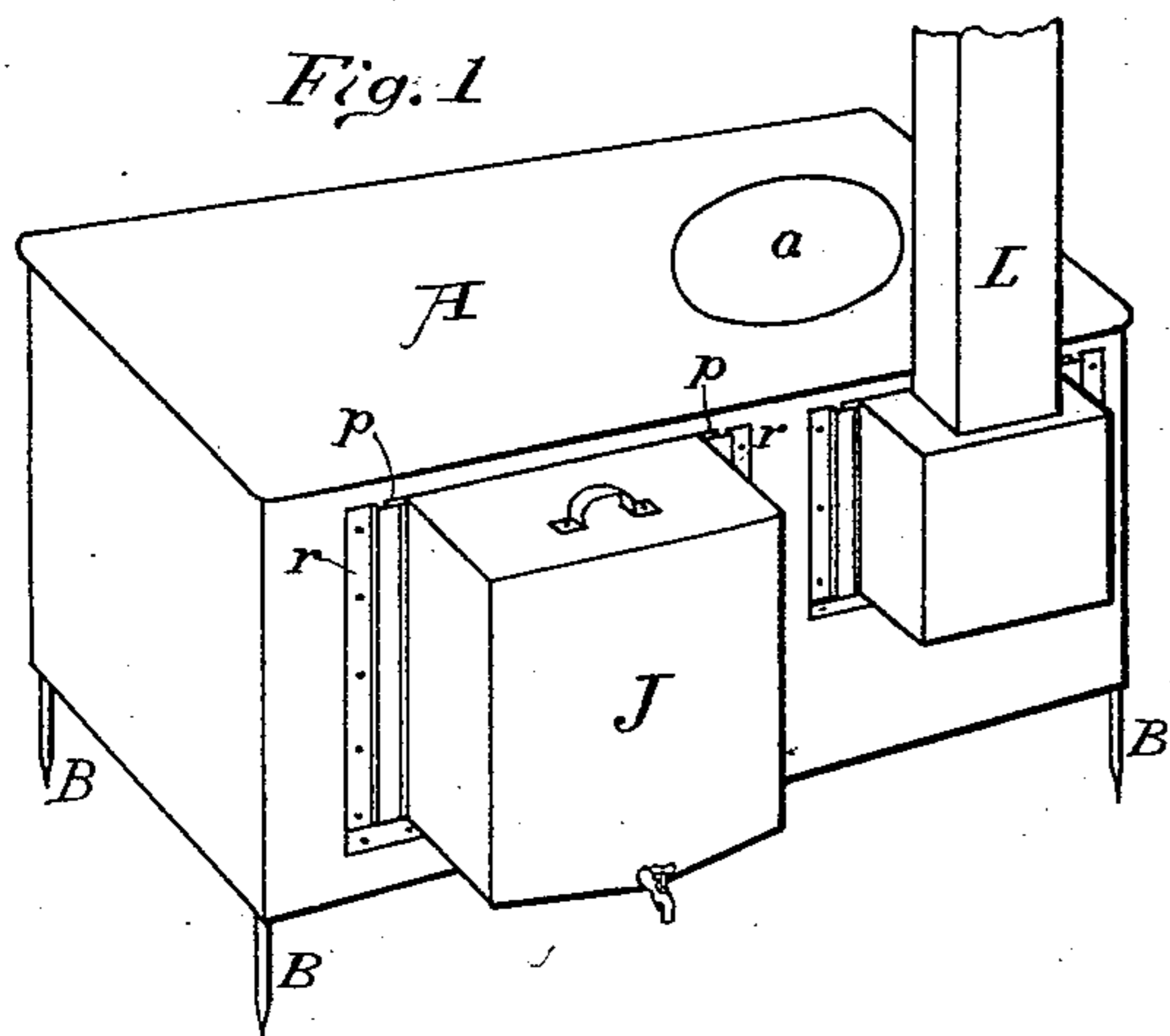


(No Model.)

F. T. SCHNEIDER.  
PORTABLE STOVE.

No. 478,820.

Patented July 12, 1892.



Witnesses

Gales P. Moore

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# UNITED STATES PATENT OFFICE.

FERDINAND T. SCHNEIDER, OF WASHINGTON, DISTRICT OF COLUMBIA.

## PORTABLE STOVE.

SPECIFICATION forming part of Letters Patent No. 478,820, dated July 12, 1892.

Application filed February 6, 1892. Serial No. 420,507. (No model.)

*To all whom it may concern:*

Be it known that I, FERDINAND T. SCHNEIDER, a citizen of the United States, residing at Washington, in the District of Columbia, have invented certain new and useful Improvements in Portable Stoves, of which the following is a description, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention is an improvement in portable stoves; and its object is to provide a device which can be manufactured at very slight expense, will weigh but little, can be packed into an exceedingly small space, and can be easily and rapidly set up or taken down.

My invention consists in the various matters hereinafter described, and referred to in the appended claims.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my stove placed in position for use. Fig. 2 is a view of the under side of the top, the legs being shown as folded upon the same. Fig. 3 is a front elevation showing particularly the manner in which the oven is secured. Figs. 4 and 5 are views of the back and one of the sides, respectively. Fig. 6 is a detail view of the joint for the reception of the smoke-pipe, and Fig. 7 is a view of a form of smoke-pipe particularly adapted for use in connection with the present invention.

In the drawings, A is the top, preferably, but not necessarily, provided with one or more apertures, as *a*, for the reception of kettles, &c., and having attached to its under side legs B. These legs may be fastened to the top in any suitable way (here shown as by means of the eye-brackets *b*) and are preferably pointed at their lower extremities to allow of being driven into the ground. This gives a firm rest for the stove, though of course it will be readily perceived that these legs may merely rest upon the ground.

C is the back, and D one of the sides, on each of which are shown eye-brackets *c*, designed to slide upon the legs when the latter are extended, in this manner holding the said back and sides rigidly in position, and also contributing stability to the foundation for the stove.

As a means of providing my stove with as close joints as possible I may, and preferably do, construct the back of such length that the ends thereof may register with the inner surfaces of the sides of the stove, the sides being long enough to project beyond the back. It is to be observed that the legs are of a length greater than the width of the back and sides, in this way permitting the legs to project into, and the back and sides to register with, the ground.

In Fig. 3 I have shown an oven as adapted for use with the present device.

*d* and *e* are grooves fastened to the top and side, respectively, as shown, and E and F are pieces of metal or other suitable material hinged at *f*, their outer extremities being provided with T-shaped flanges *g*, adapted to engage with the grooves *d e*. To the side E is hinged a door G, which can be securely closed by means of the latch *h*.

In the back C, I provide an opening *l* for the egress of the smoke arising from the fire. The annoyance caused by smoke becoming diffused through the atmosphere when it is still near the ground is known to all, so to avoid these unpleasant effects I have placed about the opening *l* grooves *m*, adapted to receive the flanges *n* upon the joint H, said joint being provided with an opening *o* for the reception of one end of a smoke-pipe L. Of course I may employ any other means for attaching this smoke-pipe to the back—such as by constructing the pipe with a shoulder, one end of which fits in the opening *l*, and then securing the pipe in position by means of suitable supports—by the use of wires, for example—or I may dispense with the joint H and use the form of smoke-pipe shown in Fig. 7. This consists simply of sheets of metal or other suitable material cut and hinged, as shown, those edges which when folded come together being provided with eye-brackets *x* for the insertion of securing-rods. The bottom of the pipe is provided with flanges corresponding to those upon the joint H. I further provide my stove with a water-back, as shown by J, Fig. 1. This water-back is simply a tank, with suitable means for allowing the introduction of water into the same, and is provided with flanges *p*, said flanges

being adapted to fit into the grooves *r*. In order to facilitate the drawing of water from this water-back, I make the bottom of my tank slant and place a spigot at the lowest point of said bottom. Though I have not shown such in the drawings, it will be readily understood that I may provide my stove with a front fastened to any suitable part in any suitable way, such as by hinging it to the top or a side, or by securing it upon the legs in a way similar to that in which I fasten the back and sides. This front may be provided with necessary doors, drafts, &c.

I claim as my invention—

1. A stove comprising a top, legs hinged thereto, and sides detachably secured to said legs, substantially as described.

2. A stove comprising a top, legs hinged thereto, and sides provided with eye-brackets fitting upon the legs, substantially as described.

3. In a stove, and in combination, a top provided with eye-brackets arranged in sets and

rods passing through the eye-brackets, said rods being bent to form legs for the stove, substantially as described.

4. In a stove, and in combination, a top provided upon its under side with eye-brackets arranged in sets, rods passing through said sets of eye-brackets and bent to form legs for the stove, and detachable sides, also provided with eye-brackets adapted to fit upon the legs, substantially as described.

5. In combination with a stove, a detachable stovepipe consisting of an upper and a lower part, each of which is formed of plates of varying lengths, the plates of each part being hinged together, the longest plate of each part being hinged together end to end, substantially as described.

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

FERDINAND T. SCHNEIDER.

Witnesses:

GALES P. MOORE,

CHAS. W. BLACKWOOD.