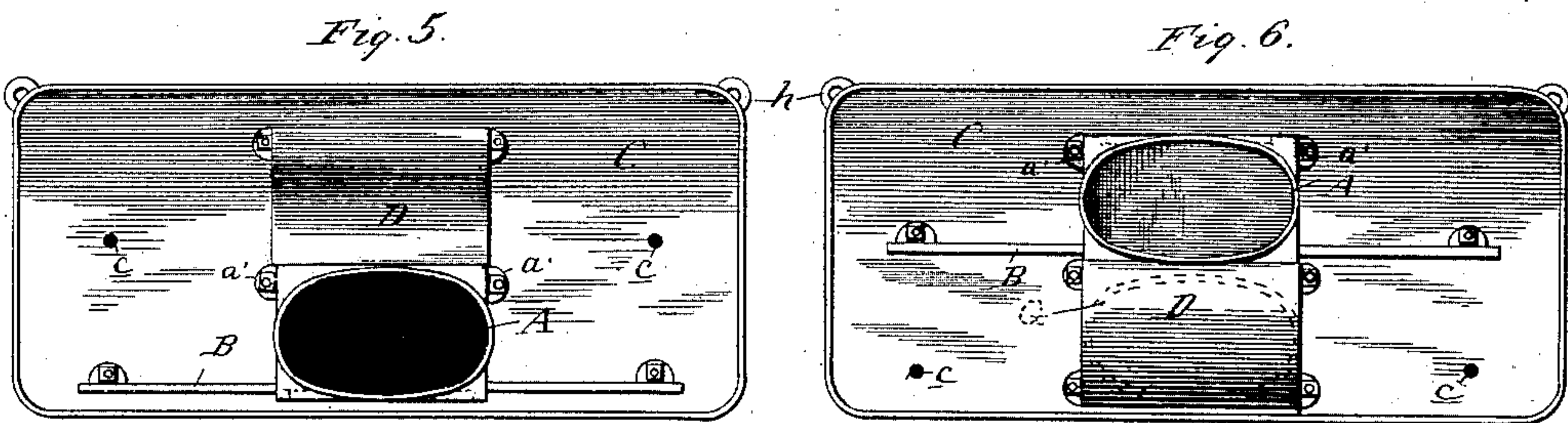
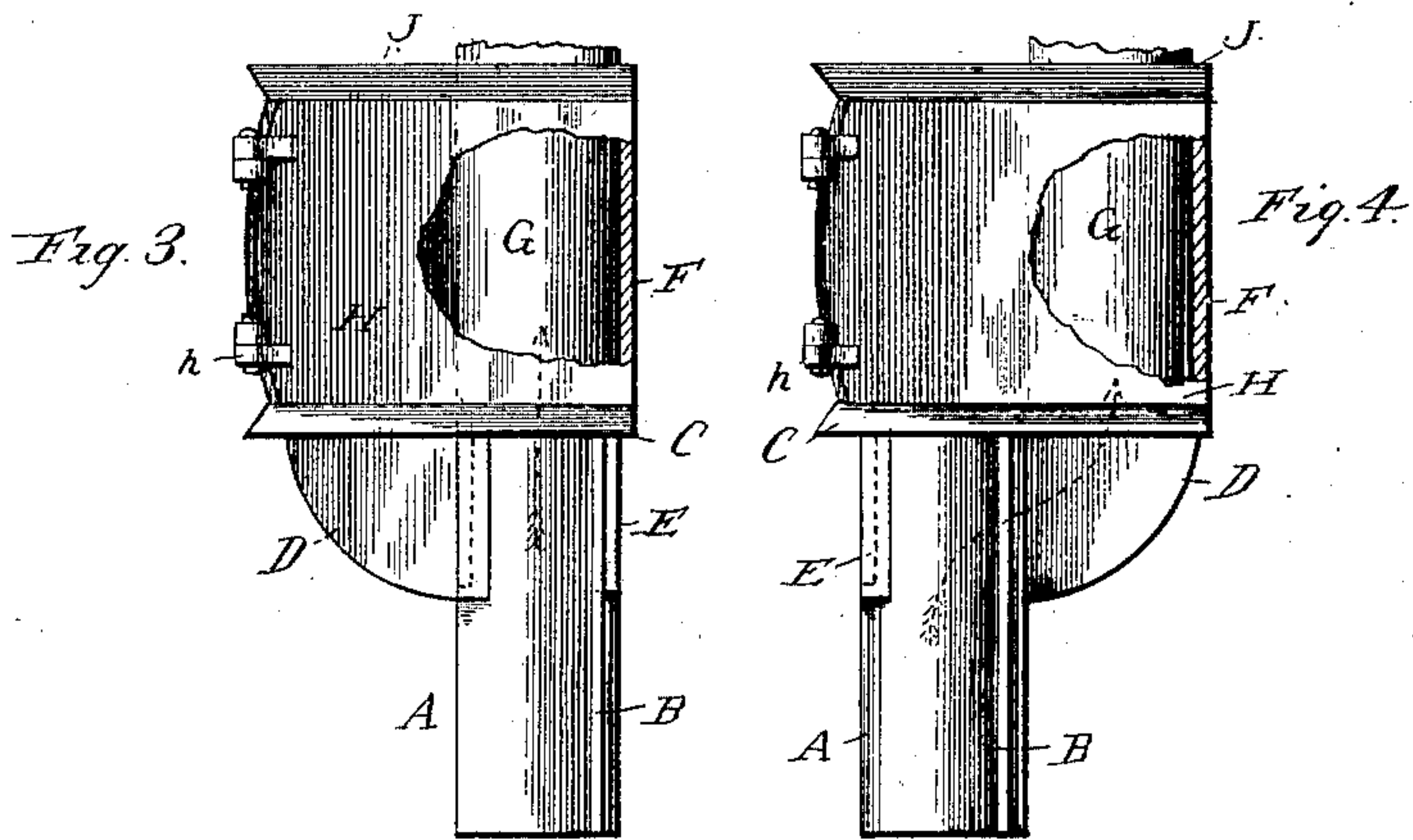
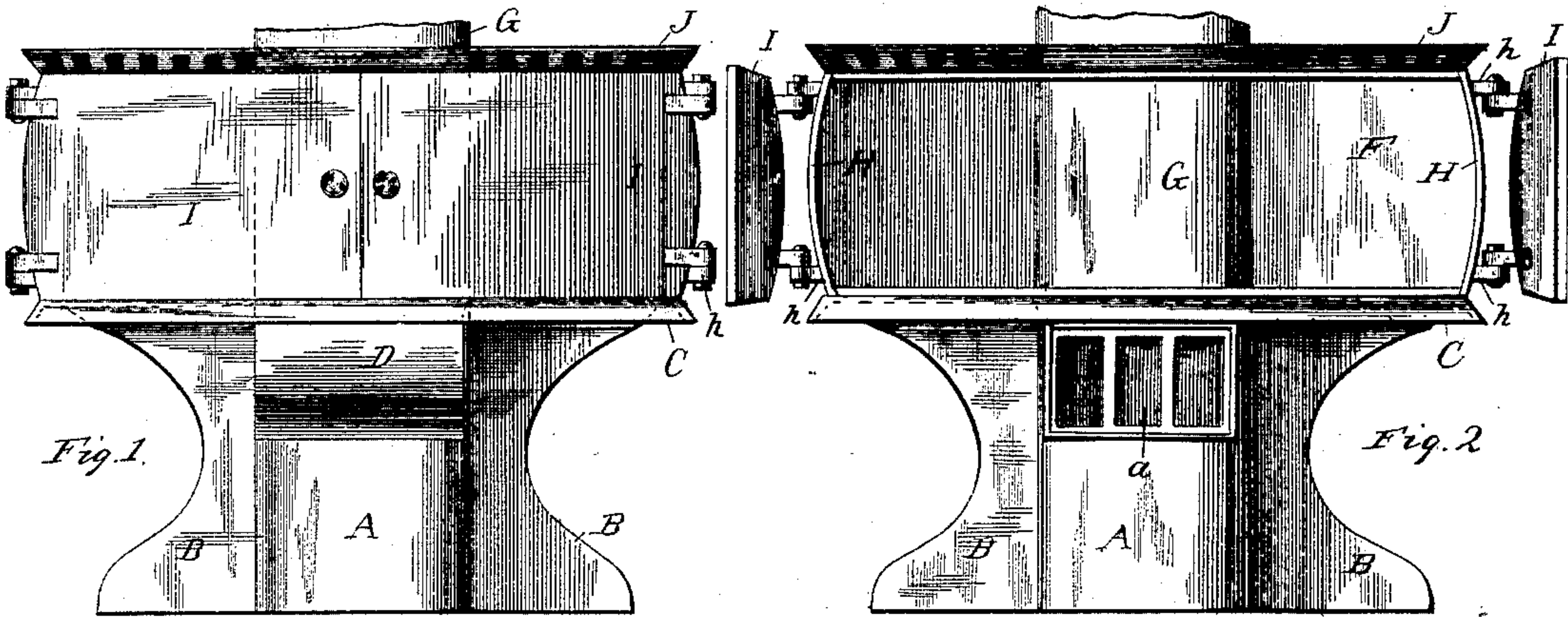


(No Model.)

W. J. KEEP.  
STOVE SHELF.

No. 374,364.

Patented Dec. 6, 1887.



Witnesses  
*W. J. Keefe*  
*Thos. E. Robertson*

Inventor  
*William J. Keefe*  
By his Attorney  
*T. J. W. Robertson*



# UNITED STATES PATENT OFFICE.

WILLIAM J. KEEP, OF DETROIT, MICHIGAN, ASSIGNOR TO THE MICHIGAN STOVE COMPANY, OF SAME PLACE.

## STOVE-SHELF.

SPECIFICATION forming part of Letters Patent No. 374,364, dated December 6, 1887.

Application filed March 22, 1887. Serial No. 231,965. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM J. KEEP, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Stove-Shelves, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 represents a front elevation of a stove-shelf constructed according to my improvement, with doors closed. Fig. 2 is a similar view, with the doors open and part removed. Fig. 3 is a side view of the same. Fig. 4 is also a side view, with parts arranged differently. Fig. 5 is a reversed plan of the shelf with the parts arranged as in Fig. 3. Fig. 6 is a similar plan with parts arranged as shown in Fig. 4.

This improvement relates to stove-pipe shelves, either with or without covers, to form warming-ovens; and the invention consists in the peculiar construction, arrangement, and combination of parts, hereinafter more particularly described, and then more definitely pointed out in the claims.

Referring now to the details of the drawings, A represents the exit-pipe, provided on opposite sides with openings, as *a*, (preferably exactly alike,) and the side wings, B, which help to form a support for the shelf C. At D is shown a pouch-bracket, which is so made as to cover the openings *a* on either side of the pipe A and to act as a bracket to support the shelf C. On the opposite side of the pipe is a plate, E, which covers up the opening on that side, and, like the pouch, will fit either opening. Above the shelf C is a covering for the same, consisting of the back plate, F, the end plates, H, doors I, and top J. At the back and forming part thereof, or made separately, as preferred, is a continuation, G, of the exit-pipe. All these parts are secured together in the usual manner, except that the end plates, H, have lugs *h* cast therewith to form one-half of the hinges on which the doors swing, thus dispensing with the door-frame or jamb-plate usually employed, which not only cheapens the cost of making, but gives more space at each door, so that a larger dish can be put in through the opening with only a single door

open than could be were a plate employed to carry the hinge-lugs, as usual.

The plate E or the pouch D may either or both be provided with a damper, if preferred, and being so made as to fit the openings on either side of the pipe A they can be readily used either in the position shown in Figs. 3 or 4, according to circumstances, or the arrangement of the stove or chimney into which the pipe leads.

The top is provided with a series of openings cast around the projecting edge, so as to allow articles lying on the top behind the edge to be seen. They may also be utilized as a means of supporting rods either of wood or metal, which, if passed through the holes in the back and front edges of the top, will be securely held there and form convenient means for drying clothes. These openings therefore not only form an ornament, but are useful as well.

The shelf is provided with a series of holes, *e*, through which screws or bolts pass into lugs *a'*, cast on the pipe A and pouch-bracket D, so that they will firmly hold the parts together in either of the positions shown in Figs. 3 and 4. It will be seen that by this construction the shelf can be set with its back directly over the pipe, or set back so that the pipe will be under the front of the shelf, and in either case the pouch or bracket not only forms a support for the shelf, but helps to increase the heated surface of the shelf by forming a hot-air chamber underneath the same, and thus keep warm whatever articles may be placed thereon. When the pipe A is set in front, the pouch-bracket forms a flue connecting the two sections of pipe.

I prefer to make the pouch-bracket and pipe in separate pieces; but it is obvious that the pouch may be cast in one piece with one of the walls of the pipe, and that by reversing the position of the parts the same effect could be produced as when the pouch was made separately; but in such case the wings B might sometimes be rather more in the way. This, however, would be a minor consideration, and I do not consider that such change would be without the spirit of my invention as covered by the following claims.

What I claim as new is—

1. The combination of a pipe having an opening on the side, a shelf resting on the top of said pipe, a second pipe in line with a hole in said shelf and resting on the top thereof, 5 and a bracket-pouch having openings on two contiguous sides, one of which connects with the opening in the lower pipe, and the other is parallel with the under side of the shelf, substantially as described.
- 10 2. The combination of a stove-pipe shelf and two pipes arranged in different vertical lines with a bracket-pouch leading from an opening in the side of one pipe to the bottom of the second pipe, substantially as described.
- 15 3. The combination of a pipe having an opening in the side, a shelf set on the top of and having an opening on one side of said pipe, with a second pipe in line with the opening

in the shelf, and a pouch-bracket having a passage leading from the opening in one pipe to 20 the opening through the shelf and making a communication between the two pipes, substantially as described.

4. The combination of a shelf, C, a pipe, A, having openings on opposite sides below the 25 shelf, a second pipe, G, above the same, a pouch-bracket, D, and a plate, E, constructed to fit the openings in the pipe A, whereby they may be interchanged, substantially as described.

In testimony whereof I affix my signature, in 30 presence of two witnesses, this 18th day of March, 1887.

WILLIAM J. KEEP.

Witnesses:

CHAS. W. KEMPT,

FRANK L. BROMLEY.