

(No Model.)

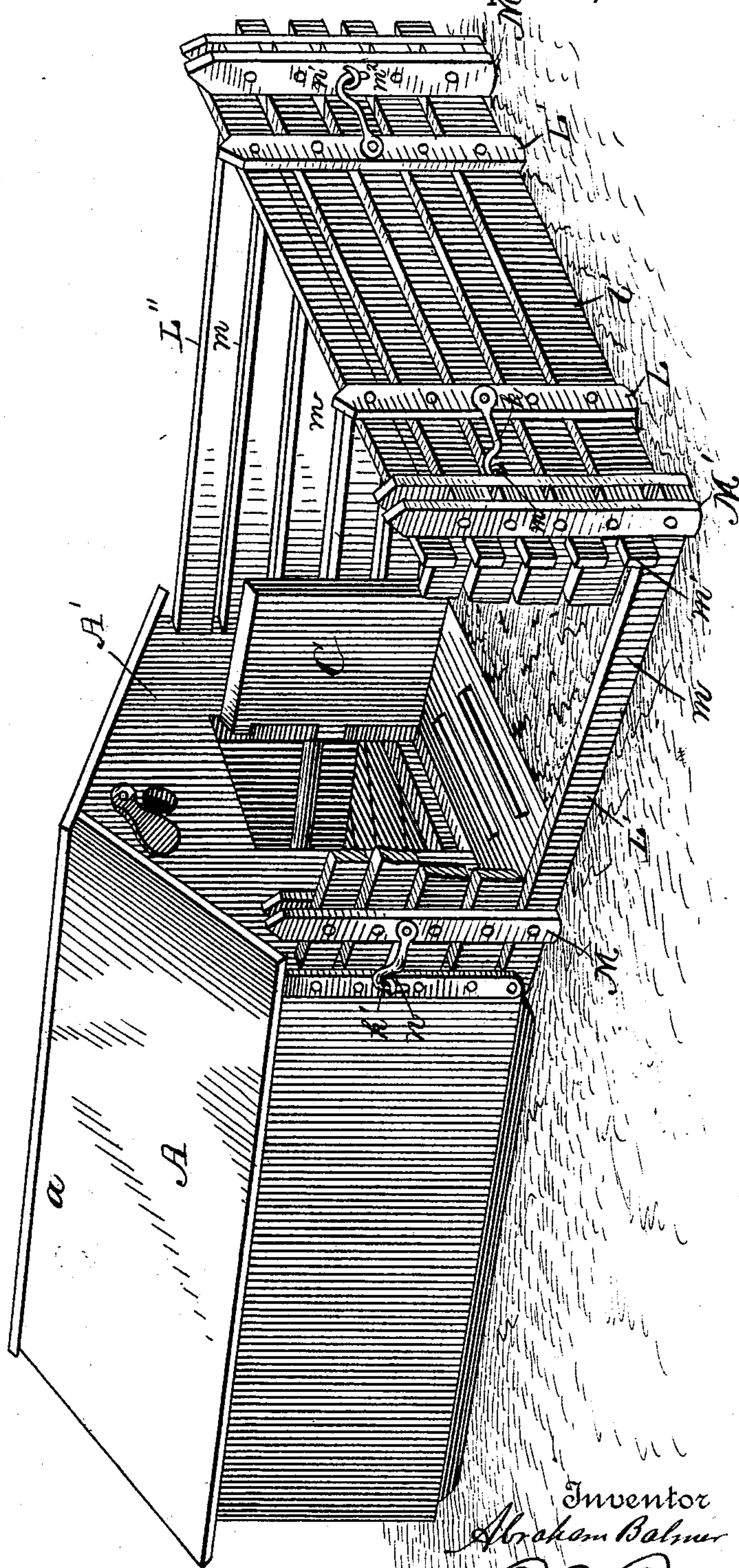
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A. BALMER.  
PEN FOR SWINE.

No. 349,200.

Patented Sept. 14, 1886.

Fig. 1.



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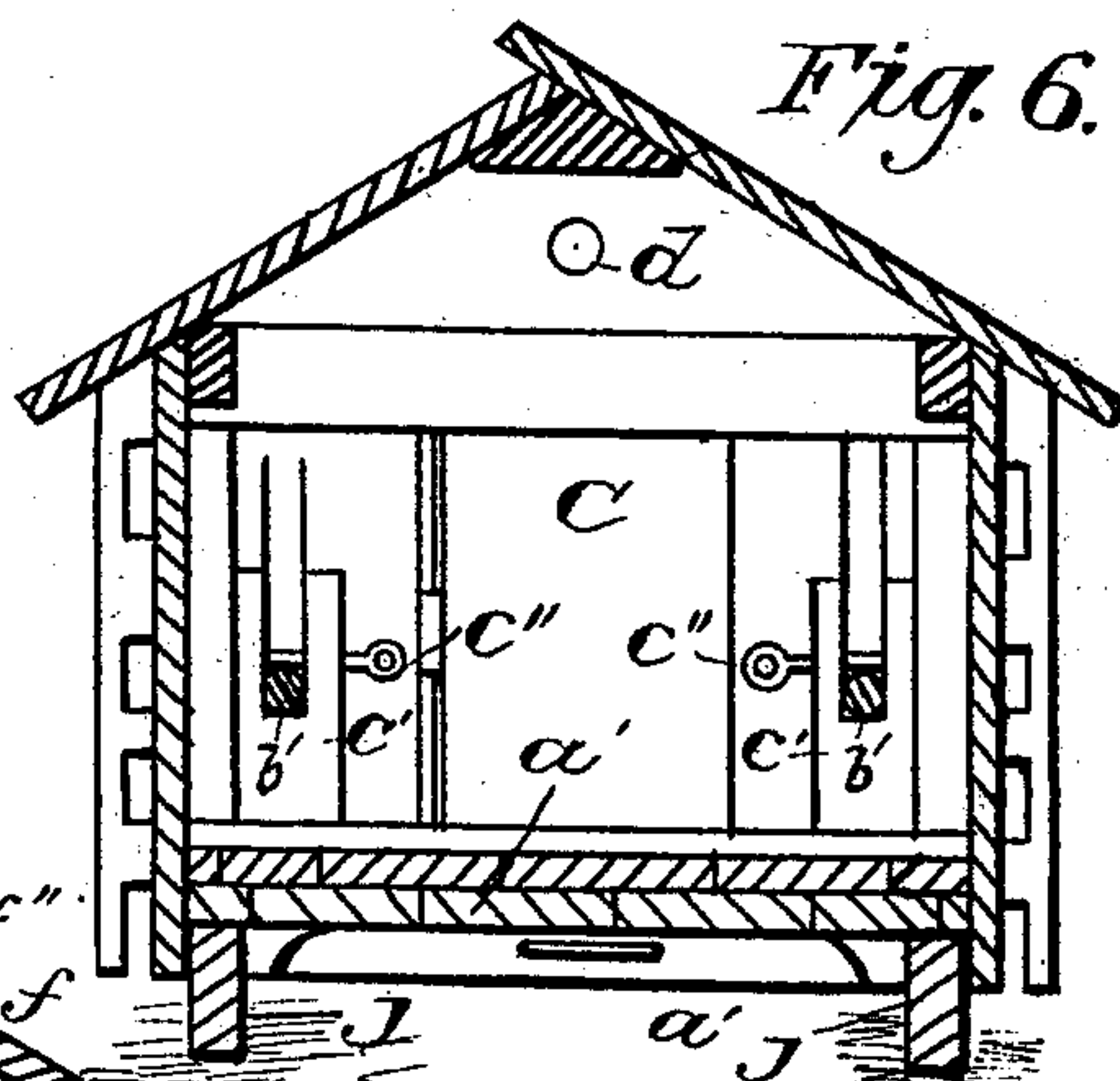
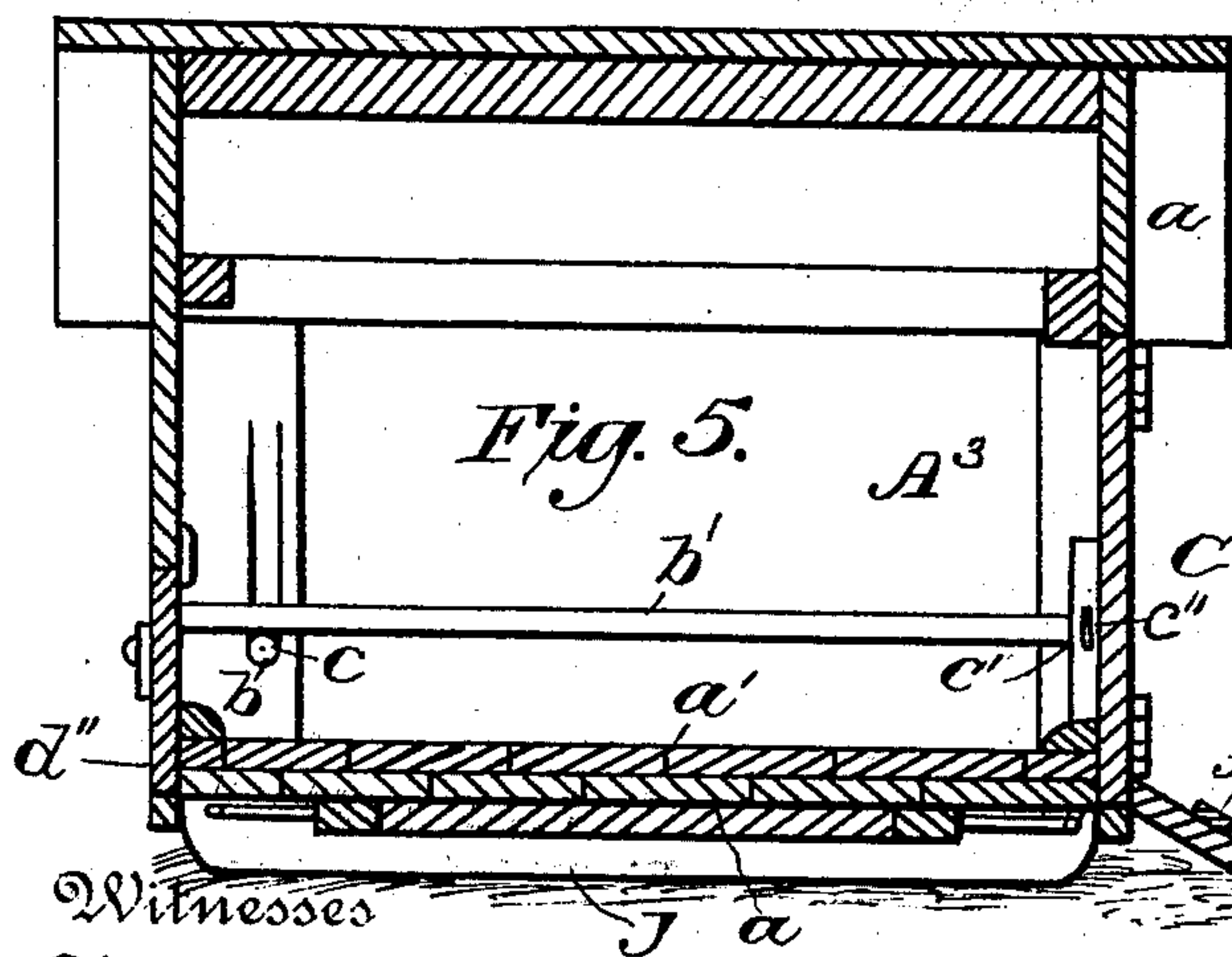
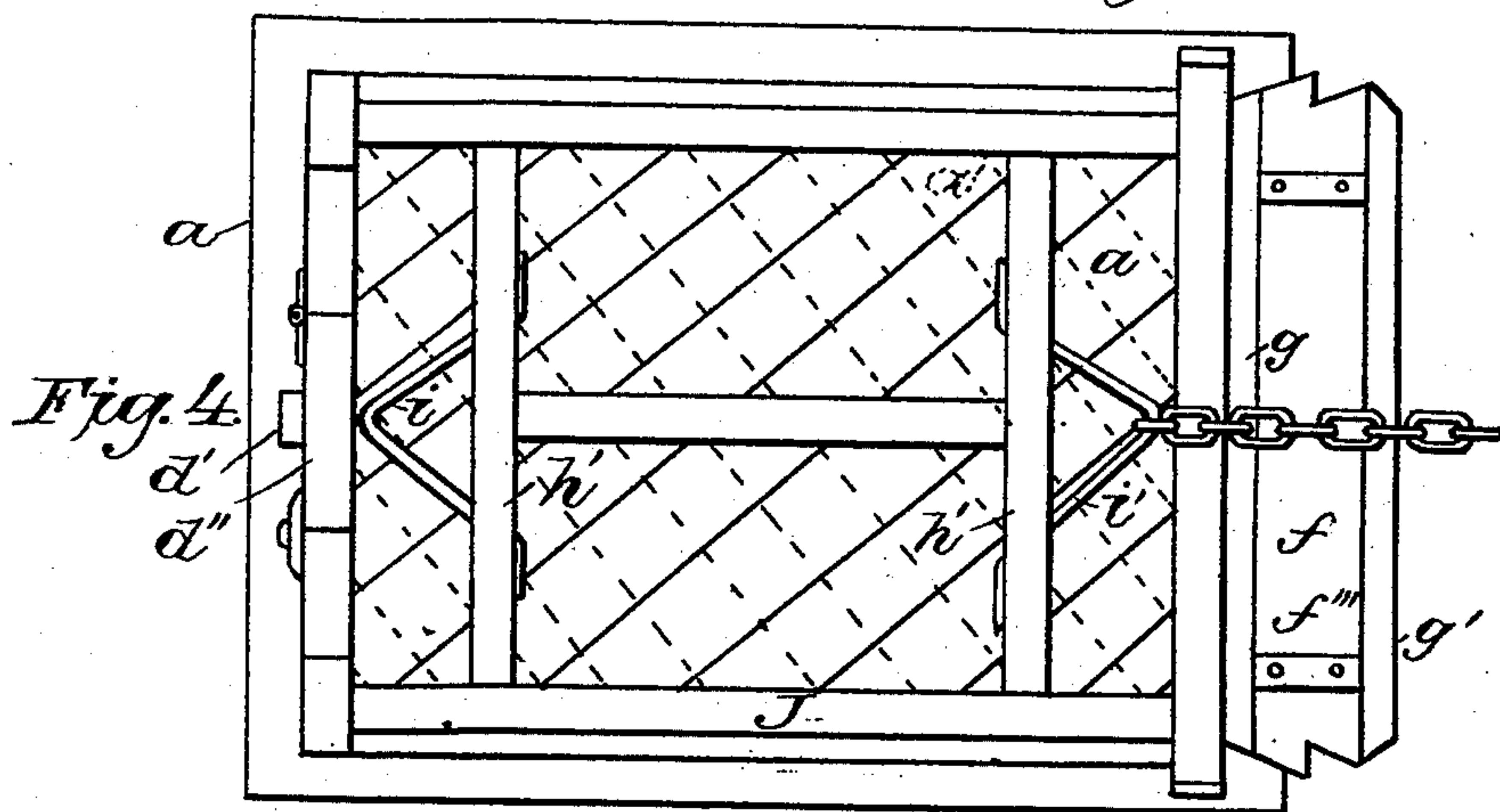
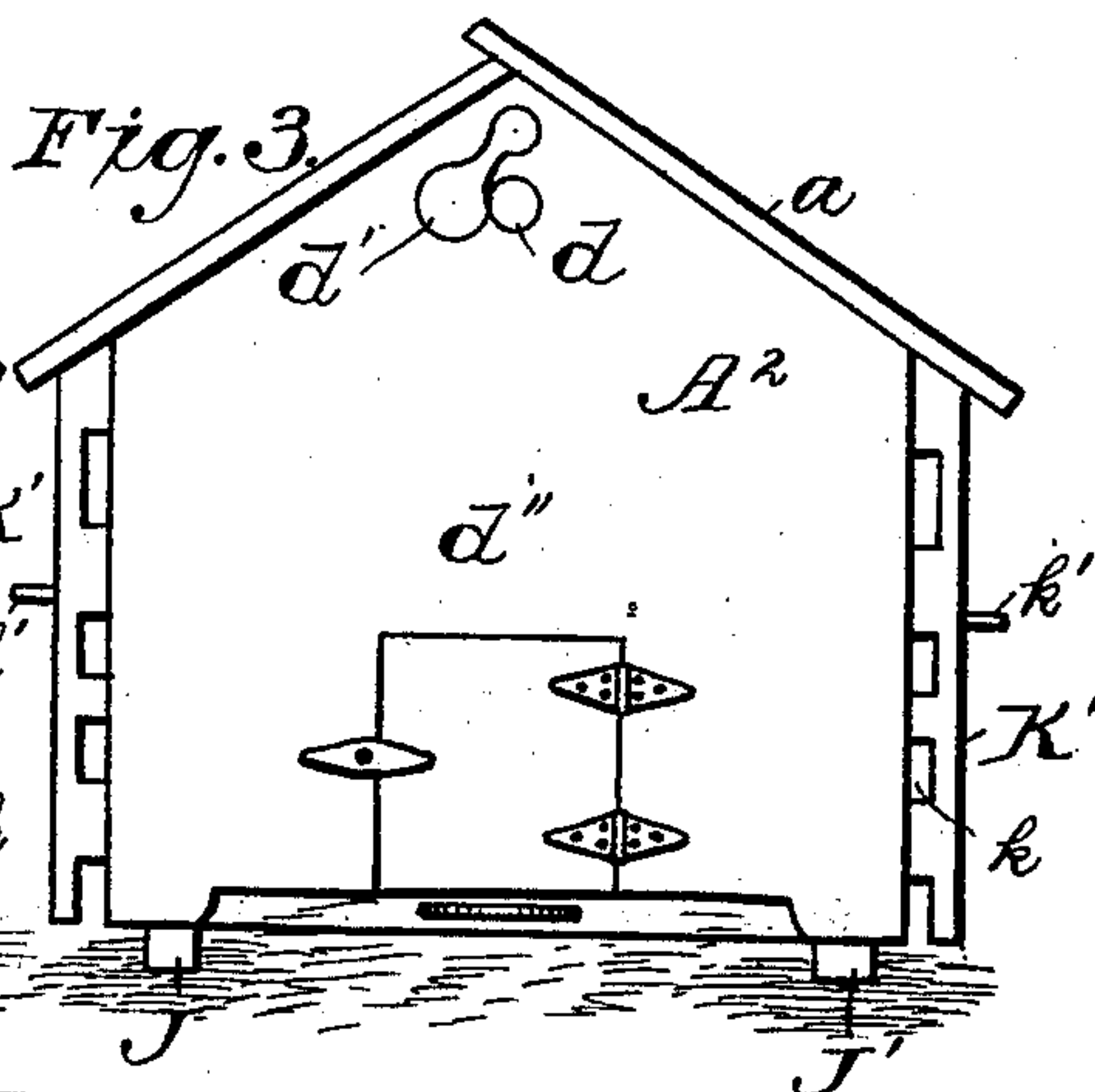
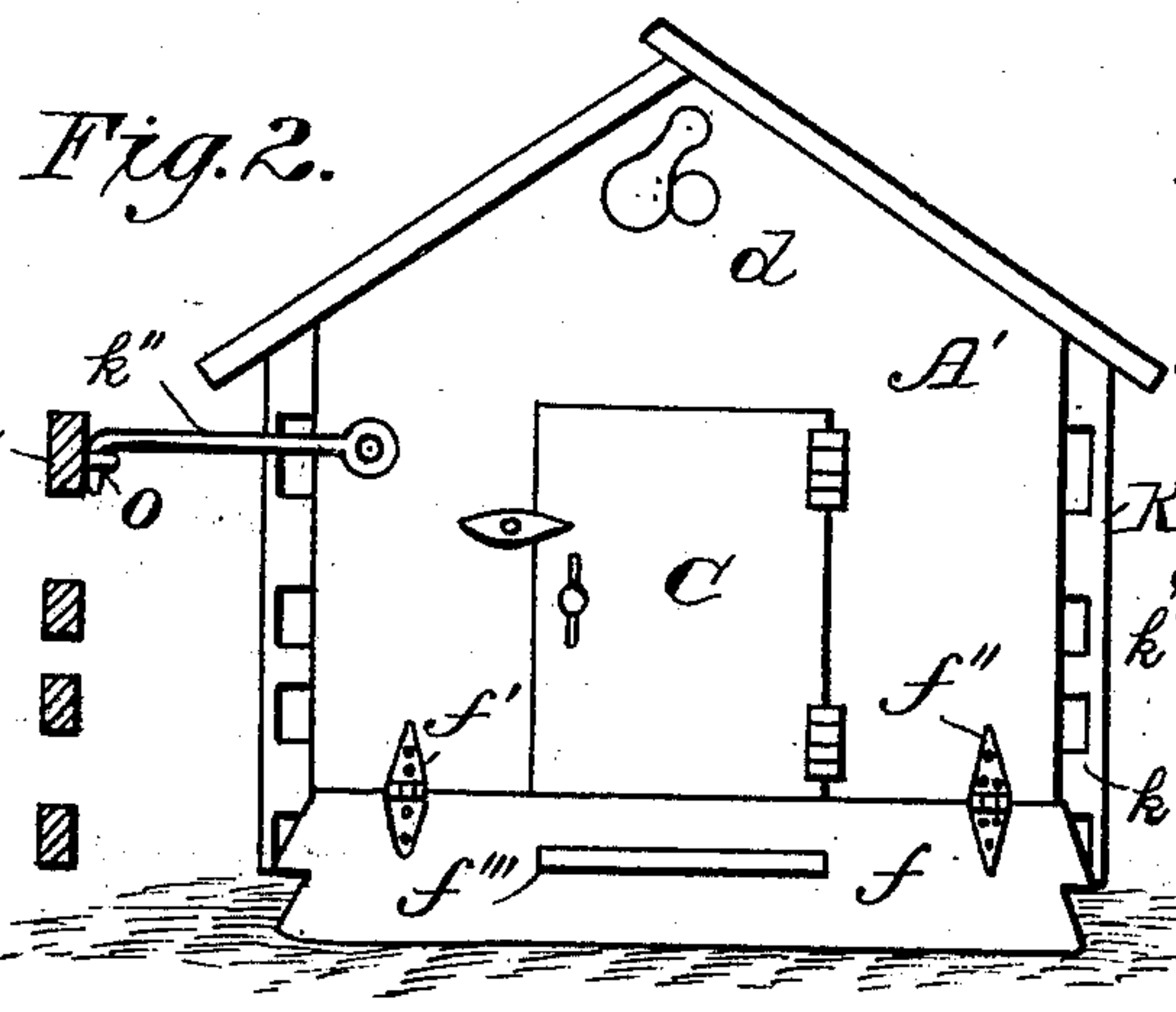
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2 Sheets—Sheet 2.

A. BALMER.  
PEN FOR SWINE.

No. 349,200.

Patented Sept. 14, 1886.



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# UNITED STATES PATENT OFFICE.

ABRAHAM BALMER, OF BLUFFTON, OHIO.

## PEN FOR SWINE.

SPECIFICATION forming part of Letters Patent No. 349,200, dated September 14, 1886.

Application filed May 23, 1886. Serial No. 203,513. (No model.)

*To all whom it may concern:*

Be it known that I, ABRAHAM BALMER, of Bluffton, in the county of Allen and State of Ohio, have invented certain new and useful  
5 Improvements in Pens for Swine; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same,  
10 reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

My invention relates to pens for swine, and has for its object to furnish an improved construction thereof, especially designed for the  
15 accommodation of a sow and her brood of pigs, although it may be readily adapted to the accommodation of hogs.

My invention will be first fully described,  
20 and then specifically pointed out in the claims.

In the accompanying drawings, Figure 1 is a perspective view showing my improved pen and stable, part of the fence being broken away to show the end of the stable clearly, the  
25 stable-door being open. Fig. 2 is a front elevation of the stable, showing also on the left in dotted lines the position in which the end of the left side panel of the pen may be held by a hook when it is desired to let the hogs  
30 out. Fig. 3 is a rear view of the stable. Fig. 4 is a bottom plan view thereof. Fig. 5 is a central vertical section longitudinally through the stable, showing the bridge in the position it assumes when the stable is being moved;  
35 and Fig. 6 is an inner end view of the front of the stable, showing the means for fastening rails in position, the rear end of the stable being removed for a better illustration thereof.

Like letters of reference mark the same parts  
40 in all the figures.

Referring to the drawings by letters, A is a stable, having a front, A', rear A'', and sides A''' A''', the stable being rectangular in plan. It is provided with an ordinary roof, a, made  
45 of any suitable material. The walls may be made of any ordinary planking, secured properly to any suitable system of sills, posts, or studding. The floor is composed of two superposed layers of boards, a' a'', laid diagonally, crossing each other, for the purposes of  
50 securing greater warmth and rigidity.

In the interior of the stable, at a distance of

about six inches from the sides and rear walls, and about eight inches from the floor, are poles  
b b'. The pole b is supported in grooves in 55 the side walls, and one end of each of the poles b' is supported in a hole or socket, C, in the rear wall, and the other end slipped into a notch in an upright post, c', and held therein by a pin, c''. The pole b, next to the rear wall, 60 being under the side poles, is held down by them and needs no pin. These poles serve as guards to prevent the sow from lying down on the young pigs.

In each wall end of the stable, near the roof, 65 are one or more air-holes, d, provided with turn-button or other doors, as at d', for closing them when desired. In the rear wall is a small door, d'', for use in driving the pigs out the front, or for cleansing purposes. In the 70 front wall is a door, e, hung on suitable hinges and provided with suitable fastenings for ingress and egress. Immediately below, and inclining downward from this door is a hinged bridge, f, hung on strap-hinges f', which in its 75 normal position just reaches and rests on the ground, and is provided with suitable cleats or strips, f'', to aid the pigs in their ascent to the door. It is formed of ordinary boards suitably held together by battens f''' on the 80 bottom. Its edges are beveled, the edges g to rest against the front wall, and the edge g' to rest on the ground when down, both serving as stops and supports.

The floor rests upon suitable joists, which 85 may be of any desired size and arrangement, provided only that cross-joists h h' be placed near the ends to receive bails i i', one extending frontward and the other rearward, by means of which ropes or traces may be attached 90 for pulling the stable in either direction.

The whole structure rests upon parallel longitudinal beams j j, rounded at each end, to serve as runners in moving the stable, as set forth. 95

When the stable is moved forward, the chain, rope, or trace passing under the bridge will hold it off the ground, and when moving backward it will slide over the ground easily, rising on its hinges when passing over stones or 100 other unevenness, so that in either event it is not necessary to pay any attention to it.

On each side of the front of the stable is secured a post, K' K', provided with mortises,



$k$ , &c., and a staple,  $k'$ , and to the front, at one side, is secured a hook,  $k''$ .

My pen is composed of three or more panels, three being shown marked  $L$   $L'$   $L''$ . The panel  
 5  $L$  forms the front, and is composed of posts or uprights  $ll$  and boards  $l'$ , the number and style of which may be varied, the boards projecting beyond the posts and cut to fit between the boards of the side panel. The side panels,  
 10  $L'$   $L''$ , are composed of posts  $M$   $M'$  and boards  $m$ , of any size or material desired or suitable, the post  $M'$  being flush with the outer ends of the boards, while the boards project beyond the post  $M$ , and are cut to fit into the mortises  
 15  $k$ . The outer ends of the boards, just inside the post  $M'$ , are cut to form mortises  $m'$ , to receive the ends of the boards  $l'$  of the front panel. In each case—that is, where the ends of the boards  $m$  fit into mortises  $k$  and the  
 20 boards  $l'$  into the mortises  $m'$ —the shoulders formed by cutting down the ends of the boards to form tenons prevent the boards from entering too far. The side panels are held in position against the stable by hooks  $n$ , and the  
 25 front panel to the sides by hooks  $n'$ , the former being pivoted on posts  $M$  and entering staples  $k'$ , and the latter being pivoted on posts  $L$  and entering staple  $m''$  in posts  $M'$ . Bolts may be used instead of the hooks and  
 30 staples. This construction admits of the ready construction and taking down or removal of the pen.

When it is desired to take the pigs out of the pen, one of the side panels is disengaged  
 35 from the stable and turned out a slight distance, where it is held, as shown in Fig. 2, by engaging the hook  $k''$  in a staple,  $o$ , on the inside of one of the boards  $m$  of the said panel.

The pen will be detached when it is desired to move the stable and afterward reattached, 40 the pigs having been driven into the stable and shut in previous to removing the pen, and kept inside while moving. The bridge also prevents the pigs from getting under the stable.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The stable having cross-joists, front and rear bails secured therein, longitudinal beams 50 rounded at both ends to form runners, and the loosely-hinged inclined bridge, whereby the stable may be moved from place to place without removing the bridge, all as hereinbefore set forth.

2. A portable stable having side and end walls, the side walls having grooves, a guard-rod which fits therein, the rear wall provided with a socket near each side above the level of the rear guard-rod, uprights against the front 60 wall, provided with notches, the two side guard-rods fitting into the sockets at their rear ends over the rear guard rod, and having their front ends dropped into the notches in the uprights, and pins for holding them therein, in 65 combination with the loosely-inclined bridge, cross-bars, and bails, substantially as set forth.

In testimony that I claim the foregoing as my own I hereunto affix my signature in presence of two witnesses.

ABRAHAM BALMER.

Witnesses:

JOHN E. LUGIBILL,  
 JOHN J. KLORY.