

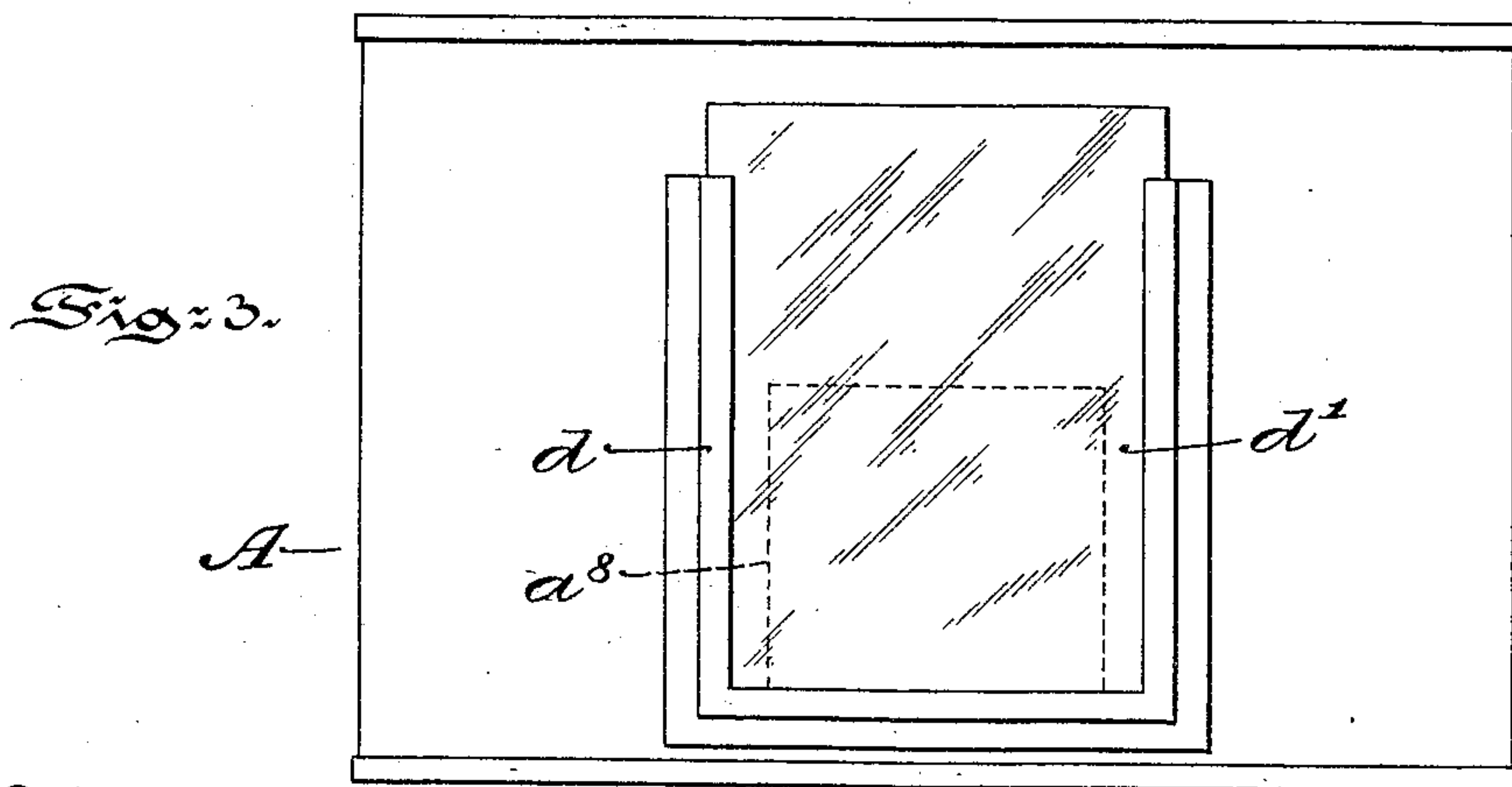
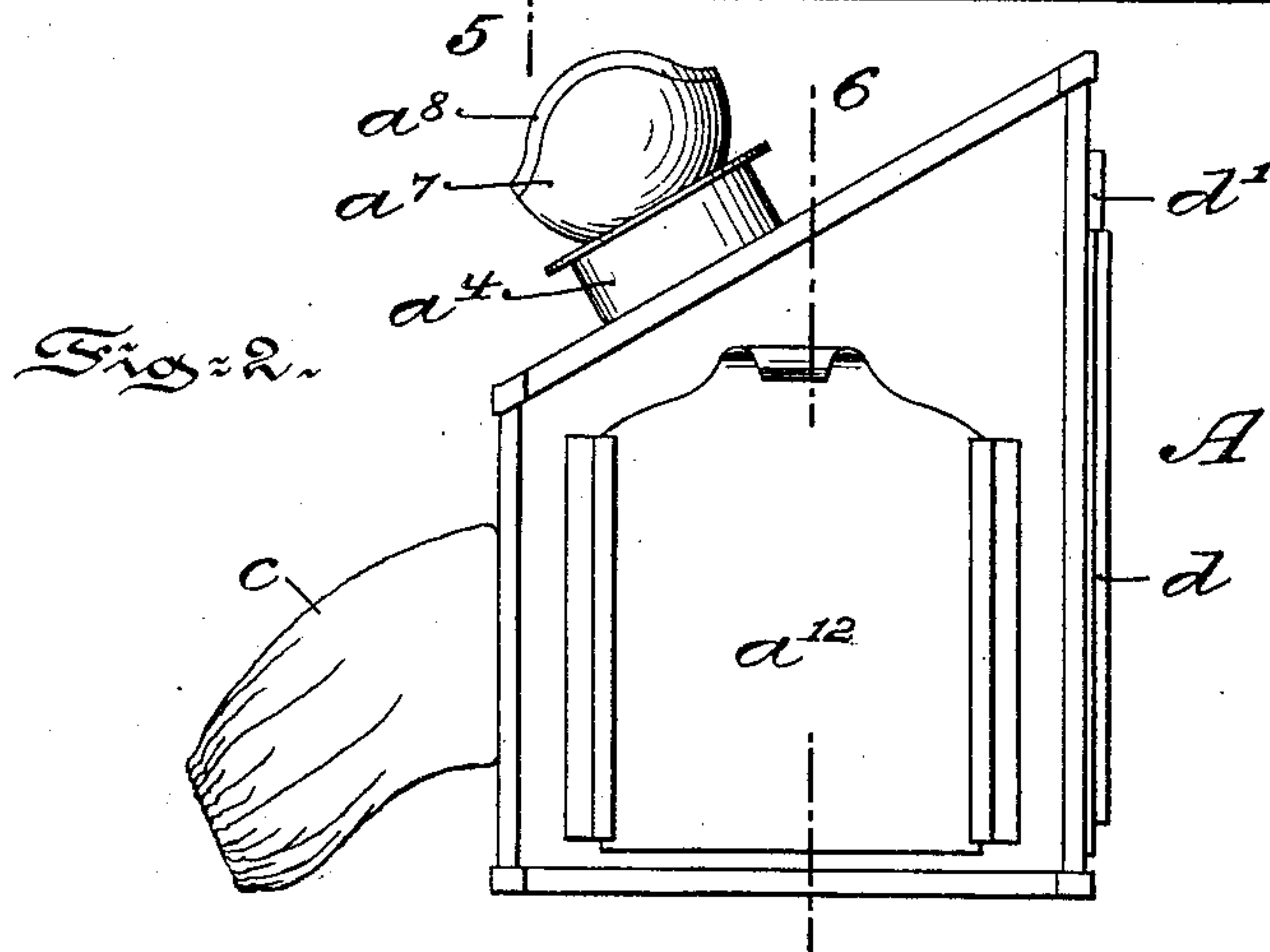
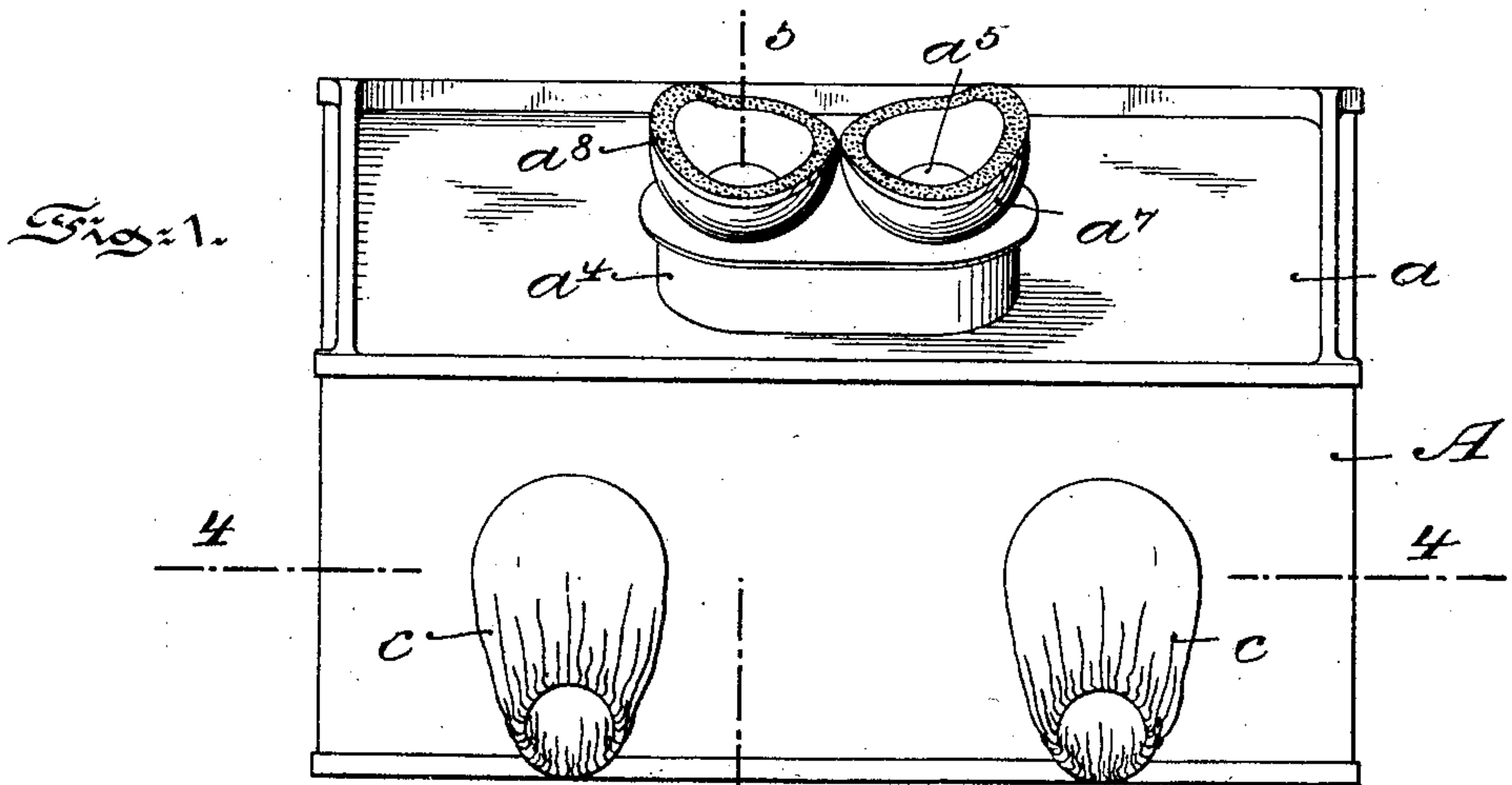
T. T. PATCHEL.

PORTABLE AND SEPARABLE PHOTOGRAPHIC DEVELOPING CASE OR DARK CABINET.

(Application filed Oct. 29, 1901.)

(No Model.)

2 Sheets—Sheet 1.



Witnesses:  
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 Thomas M. Smith.

Inventor:  
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 Attorney.

No. 706,101.

Patented Aug. 5, 1902.

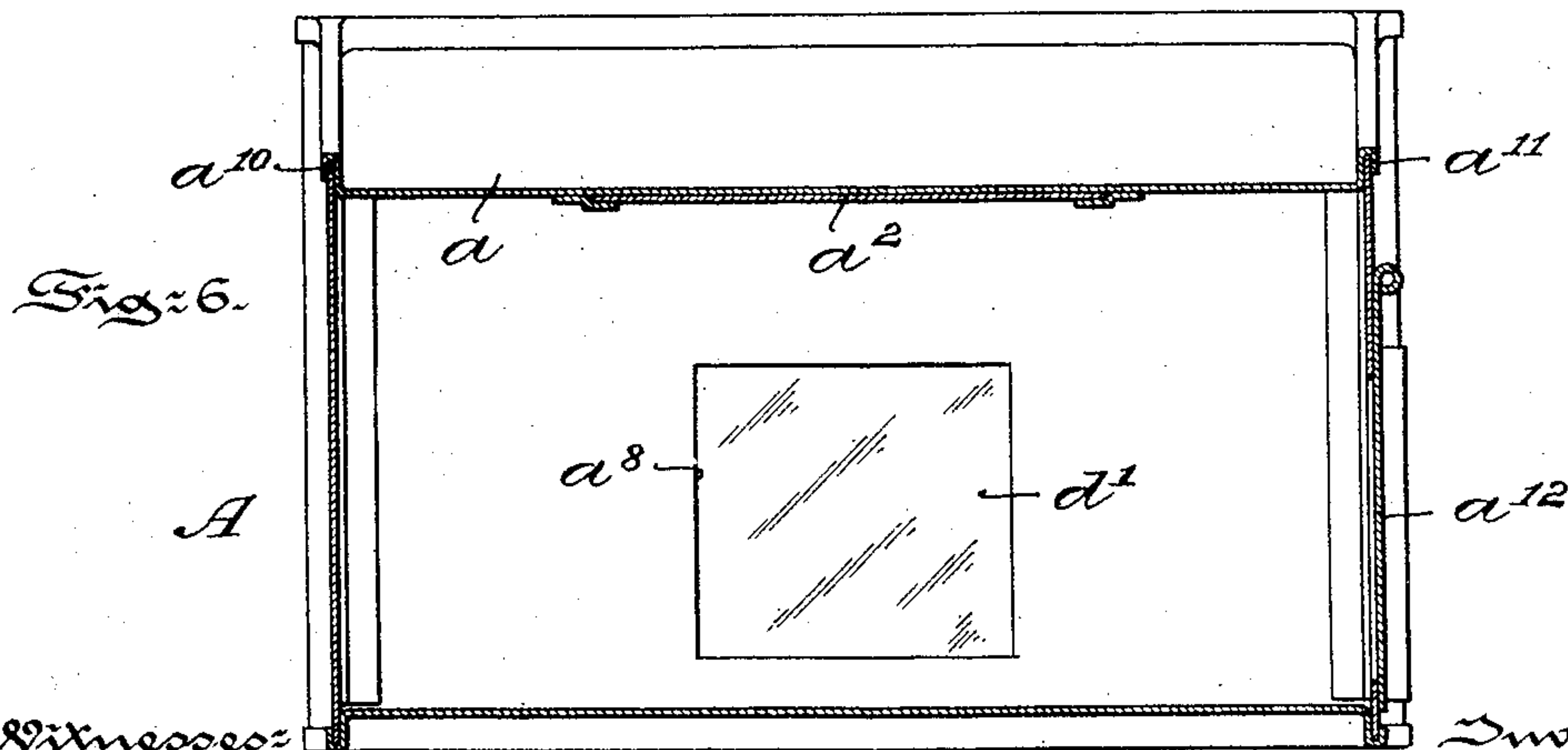
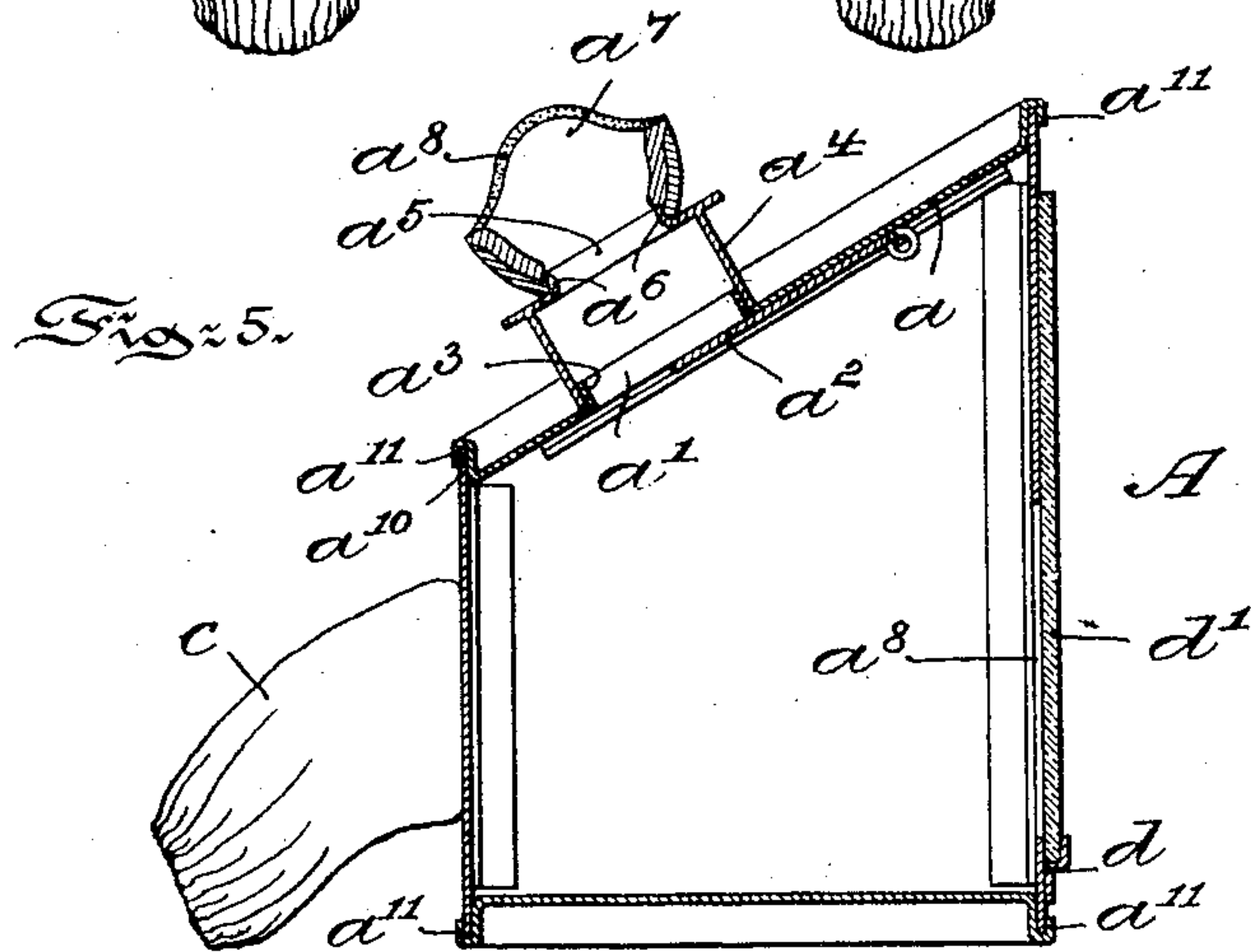
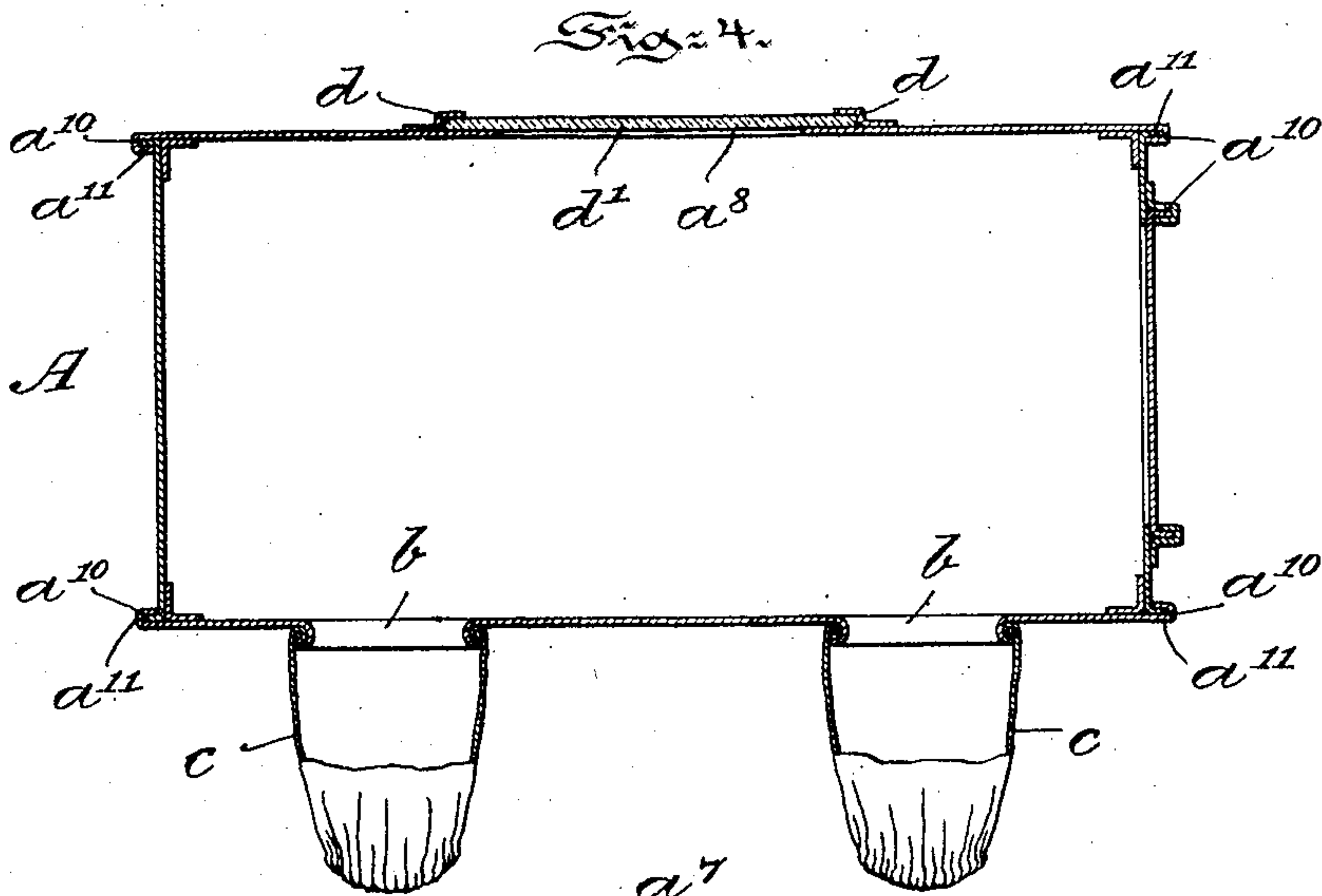
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PORTABLE AND SEPARABLE PHOTOGRAPHIC DEVELOPING CASE OR DARK CABINET.

(Application filed Oct. 29, 1901.)

(No Model.)

2 Sheets—Sheet 2.



Witnesses:  
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# UNITED STATES PATENT OFFICE.

THOMAS T. PATCHEL, OF WESTCHESTER, PENNSYLVANIA, ASSIGNOR, BY  
MESNE ASSIGNMENTS, OF ONE-HALF TO GEORGE G. PATCHEL, OF MEDIA,  
PENNSYLVANIA.

PORTABLE AND SEPARABLE PHOTOGRAPHIC DEVELOPING-CASE OR DARK CABINET.

SPECIFICATION forming part of Letters Patent No. 706,101, dated August 5, 1902.

Application filed October 29, 1901. Serial No. 80,413. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS T. PATCHEL, a citizen of the United States, residing at Westchester, in the county of Chester and State of Pennsylvania, have invented certain new and useful Improvements in Portable and Separable Photographic Developing-Cases or Dark Cabinets, of which the following is a specification.

My invention relates to a portable and separable photographic developing-case or dark room or cabinet, and in such connection it relates to the particular construction and arrangement thereof.

My invention has for its principal object to provide a portable developing-case or dark cabinet for photographers' use in which the several parts are readily separable, so as to occupy comparatively little space for being handled or carried about, and also arranged so as to be readily assembled and when assembled the apparatus adapted to exclude all objectionable rays of light during the manipulations of plates or films therein, which would tend to fog or render useless the resultant negative.

My invention, stated in general terms, consists of a portable and separable photographic developing-case or dark cabinet when constructed and arranged in substantially the manner hereinafter described and claimed.

The nature and characteristic features of my invention will be more fully understood from the following description, taken in connection with the accompanying drawings, forming part hereof, in which—

Figure 1 is a front elevational view of a portable and separable photographic developing-case or dark cabinet embodying features of my invention. Fig. 2 is a side elevational view of the same. Fig. 3 is a rear elevational view of Fig. 1. Fig. 4 is a transverse sectional view through the case or cabinet on the line 4 4 of Fig. 1. Fig. 5 is a vertical central sectional view of the case or cabinet on the line 5 5 of Fig. 1, and Fig. 6 is a vertical longitudinal sectional view of the said case or cabinet on the line 6 6 of Fig. 2.

Referring to the drawings, the oblong case or cabinet A is provided with an inclined roof  $\alpha$  at an angle of forty-five degrees, more

or less, with an opening  $\alpha'$  therein adapted to be closed by a slide  $\alpha^2$ , as illustrated in Figs. 5 and 6, provided on the inner side of the roof. The opening  $\alpha'$  in the roof is flanged at  $\alpha^3$  for the reception of a crown  $\alpha^4$ , provided with eyes  $\alpha^5$ . These eyes  $\alpha^5$  have their peripheral walls grooved at  $\alpha^6$  for receiving and detachably holding eye-guards  $\alpha^7$ , as clearly illustrated in Figs. 1 and 5. These guards, of rubber or other suitable material, are preferably tufted at  $\alpha^8$  with a dark material on the inner side and extending to the outer surface of each of them to not only protect the eyes of the operator, but also to guard against rays of light gaining entrance to the interior of the case or cabinet.

In the front wall of the cabinet are provided openings  $b$ , the walls of which are provided with grooved flanges for engaging armlets or sleeves  $c$  thereto, as clearly illustrated in Fig. 4. These armlets or sleeves may be made of any flexible material found best adapted for the purpose.

In the back wall of the cabinet A is provided an offset rim  $d$ , forming a receptacle for a detachable colored glass  $d'$ , adapted to be engaged therein, so as to span an opening  $\alpha^8$  in the rear wall of the cabinet for enabling the operator to determine from time to time the condition of the plate or film being manipulated within the cabinet and without the same being fogged or otherwise ruined by rays of light gaining access thereto before a full development of the plate.

In one of the end walls of the cabinet is provided a sliding door  $\alpha^{12}$  for permitting of the introduction and withdrawal of a plate or film to and from the case or cabinet A, as occasion may require.

The parts or members of the case or cabinet A are respectively provided with ribs or feathers  $\alpha^{10}$  and with angular grooves  $\alpha^{11}$ , whereby the ribs or feathers  $\alpha^{10}$  of one member can be readily brought into locking engagement with the grooves  $\alpha^{11}$  of another member, so that the said members may be readily assembled to assume the structural form of a case or cabinet, for example, as illustrated in Fig. 1 of the drawings. By this manner of arranging the members of the case or cabinet it can be readily taken apart for



shipment and also of being handled and carried about in neat or compact form. Again, by uniting the parts to form the cabinet as described rays of light cannot possibly enter  
 5 the cabinet to interfere with the developing of a plate or film therein. Moreover, the arranging of the armlets or sleeves in front rather than in the ends of the case or cabinet affords an easier handling of the plates or  
 10 films within the cabinet, and with the eye-guards in the inclined roof of the cabinet conjoint use of the hands and of the eyes of the operator is afforded to facilitate the internal treatment of the plate or film within the cabinet and without fear of the rays of light possibly  
 15 gaining entrance and fogging or otherwise rendering unfit for subsequent use the plate or film being developed therein.

Having thus described the nature and objects of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a photographic dark room, a separable box provided with an inclined roof having an opening therein, a slide adapted to  
 25 close said opening, a crown surrounding said opening and carrying peep-holes, detachable eye-guards fitted to said crown, armlets projecting from the front of the box and a detachable slide in one end wall of said box and  
 30 adapted to close the opening provided in said wall.

2. In a photographic dark room, a separable box, the front wall whereof is provided with openings and the roof whereof is inclined  
 35 downward toward the front wall and having an opening, a flanged rim surrounding each opening in the front wall, a flexible armlet

adapted to detachably engage said flanged rim, a crown inclosing the opening in the inclined roof, two flanges projecting upward  
 40 from the crown to form peep-holes therein, and detachable eye-guards engaging said flanges of the crown.

3. In a photographic dark room, a separable box, an inclined roof for said box having  
 45 an opening, a slide arranged within the box and adapted to close the opening in the roof, a crown surrounding the roof-opening and projecting from the exterior of the box, said crown having two openings or peep-holes, a  
 50 flanged rim surrounding each peep-hole, and an eye-guard detachably connected to each flanged rim.

4. In a photographic dark room, a separable box, comprising a floor, side walls and an  
 55 inclined roof having an opening, the meeting edges of the walls floor and roof of said box being complementally formed into feathers and grooves, the feathers of certain edges adapted to slide into and out of the grooves  
 60 of the other complemental edges, a slide arranged to close the opening in the roof, a crown surrounding the roof-opening and having peep-holes, a flanged rim surrounding each peep-hole, and an eye-guard detachably  
 65 connected to each flanged rim.

In testimony whereof I have hereunto set my signature in the presence of two subscribing witnesses.

THOMAS T. PATCHEL.

Witnesses:

J. WALTER DOUGLASS,  
 THOMAS M. SMITH.