

No. 637,745.

Patented Nov. 21, 1899.

J. L. BROUSE.

COMBINED PHOTOGRAPHIC PRINTING FRAME AND RETOUCHING STAND.

(Application filed Feb. 3, 1899.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

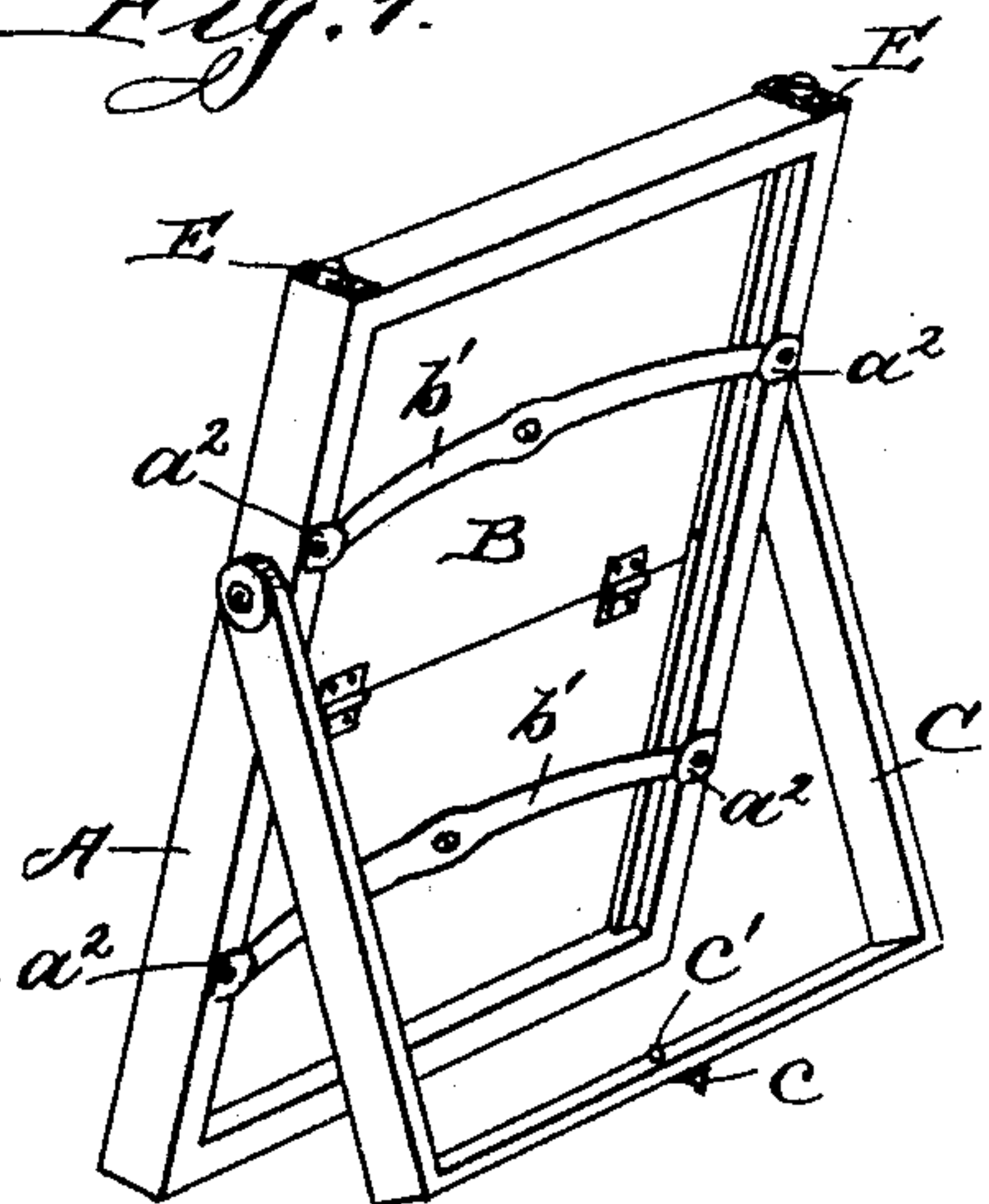


Fig. 2.

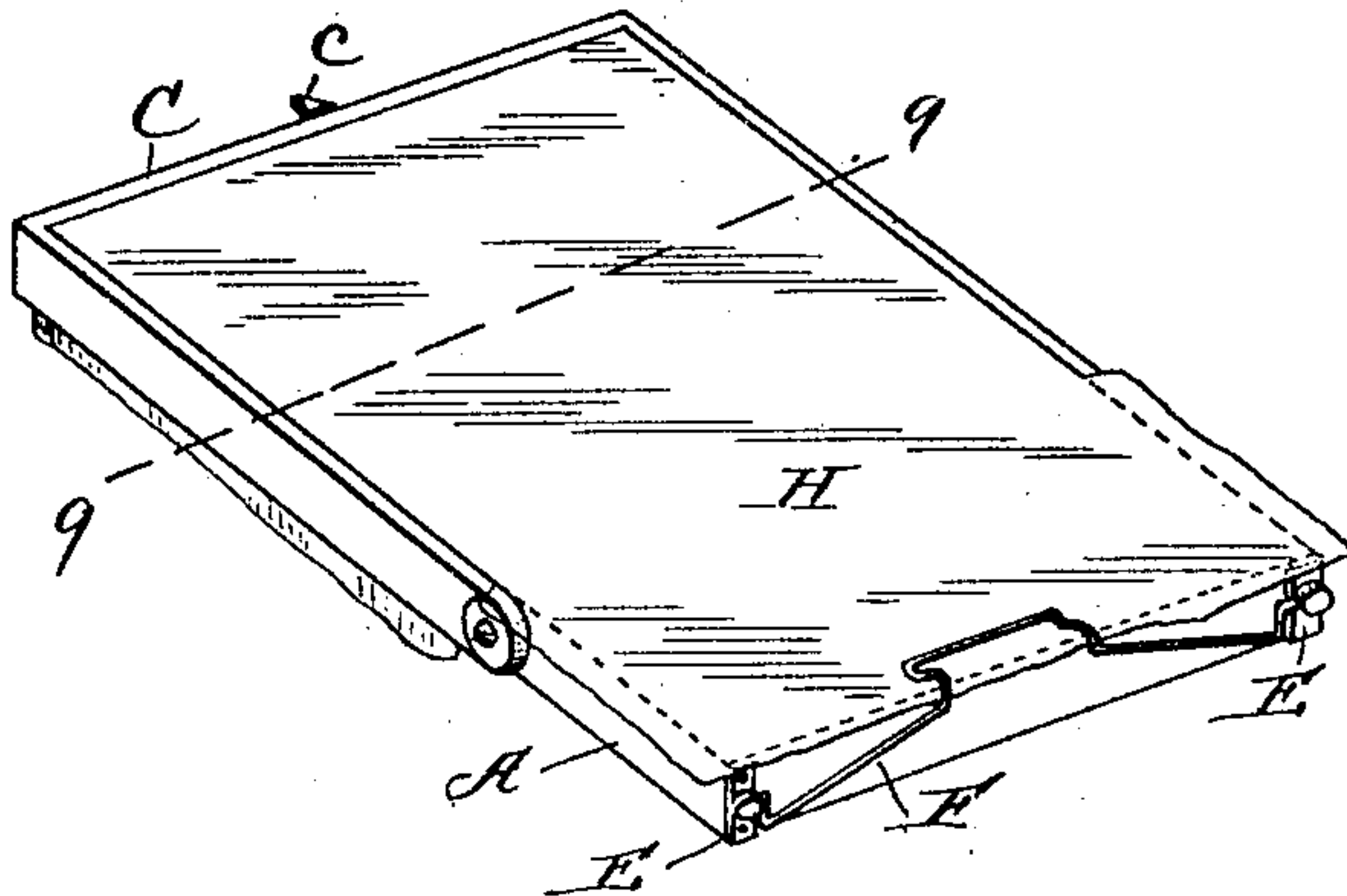


Fig. 3.

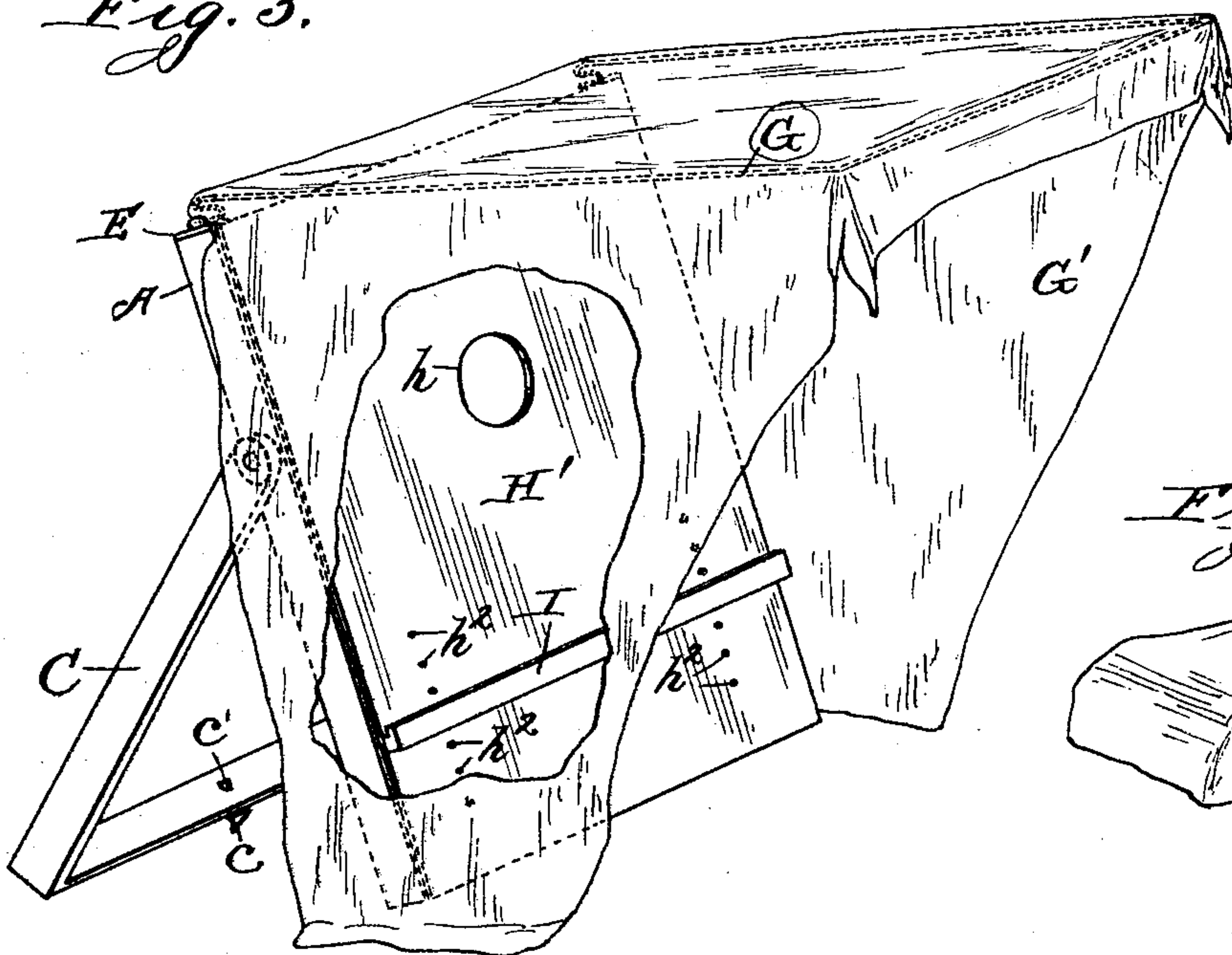
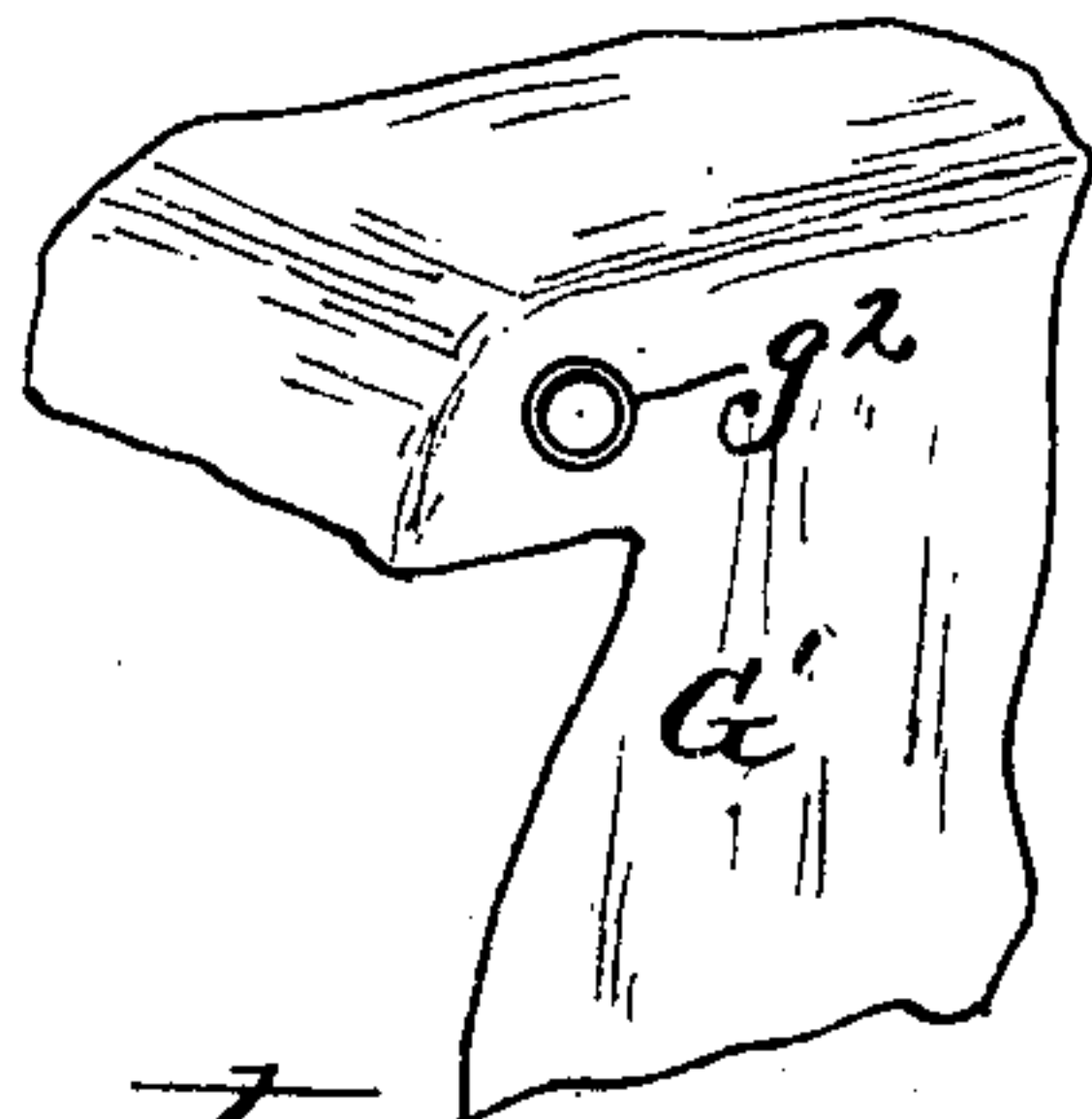


Fig. 4.



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2 Sheets—Sheet 2.

Fig. 5.

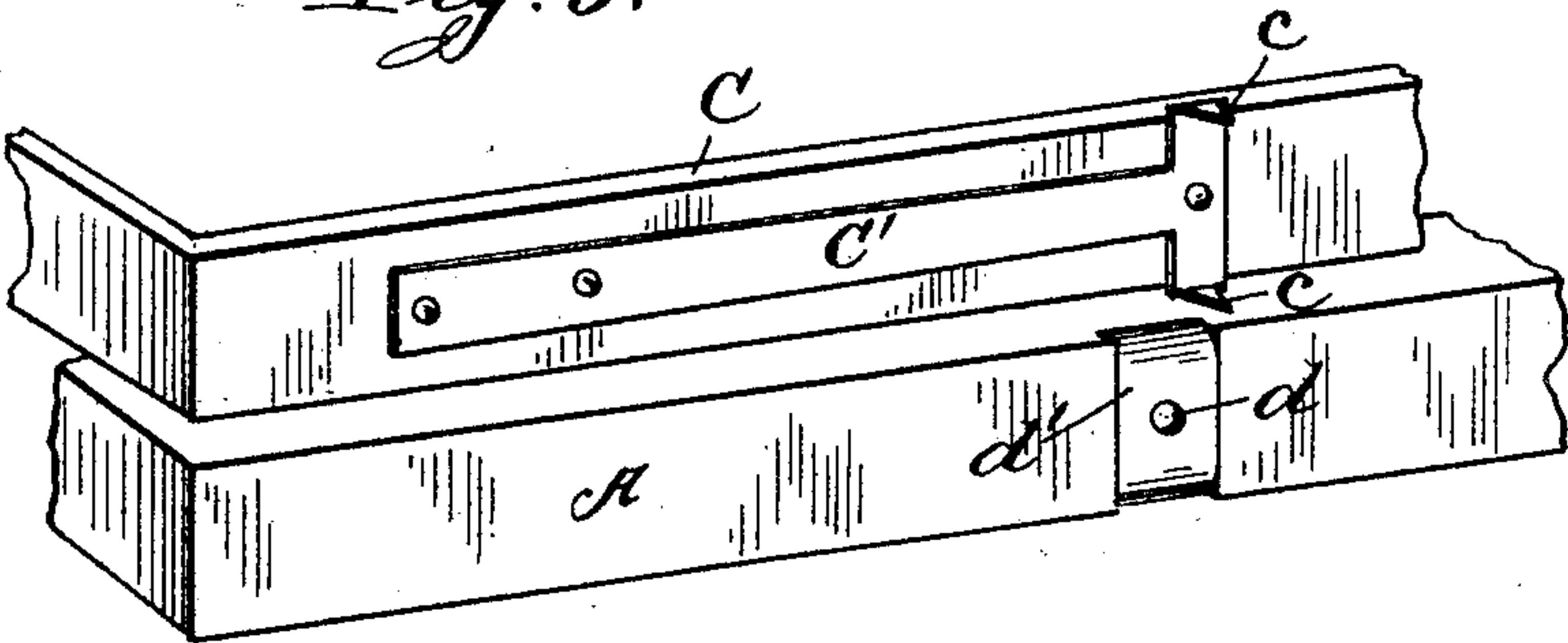


Fig. 6.

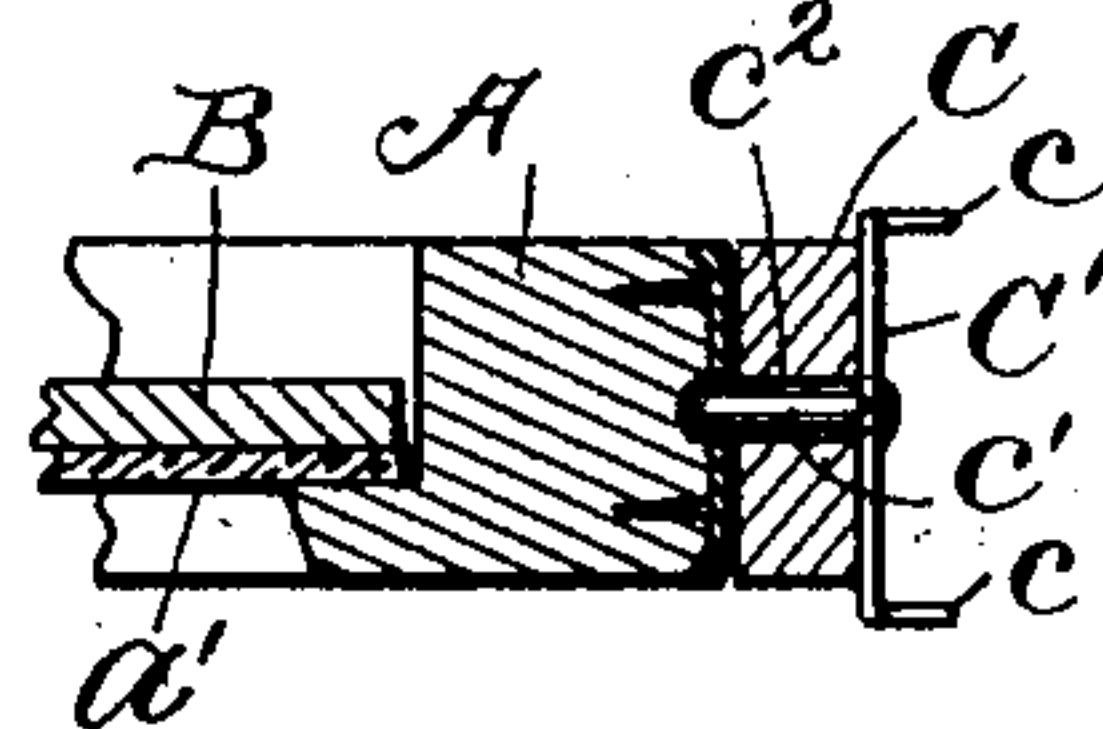


Fig. 7.

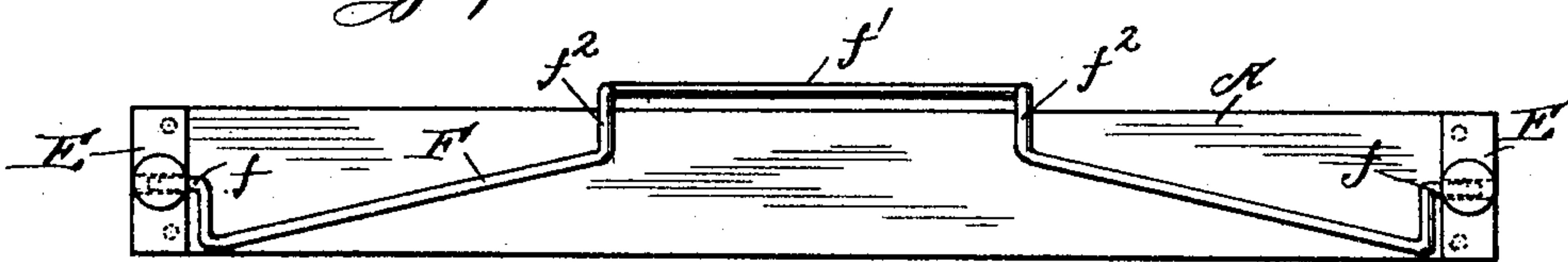


Fig. 8.

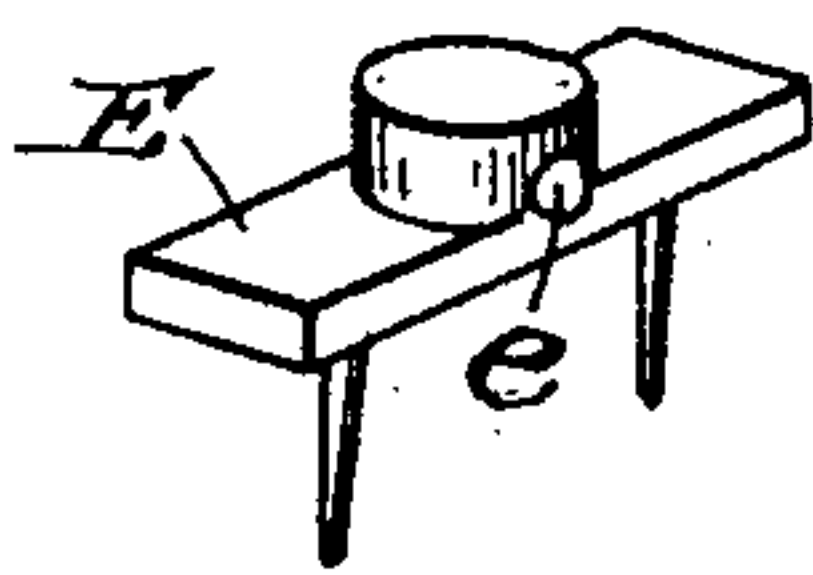


Fig. 9.

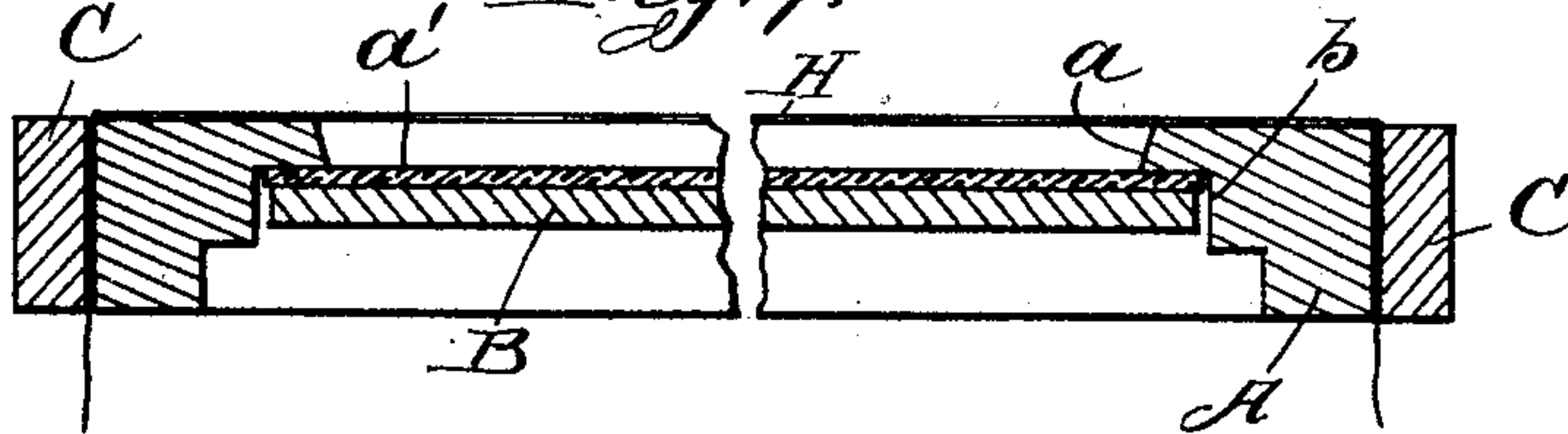


Fig. 10.

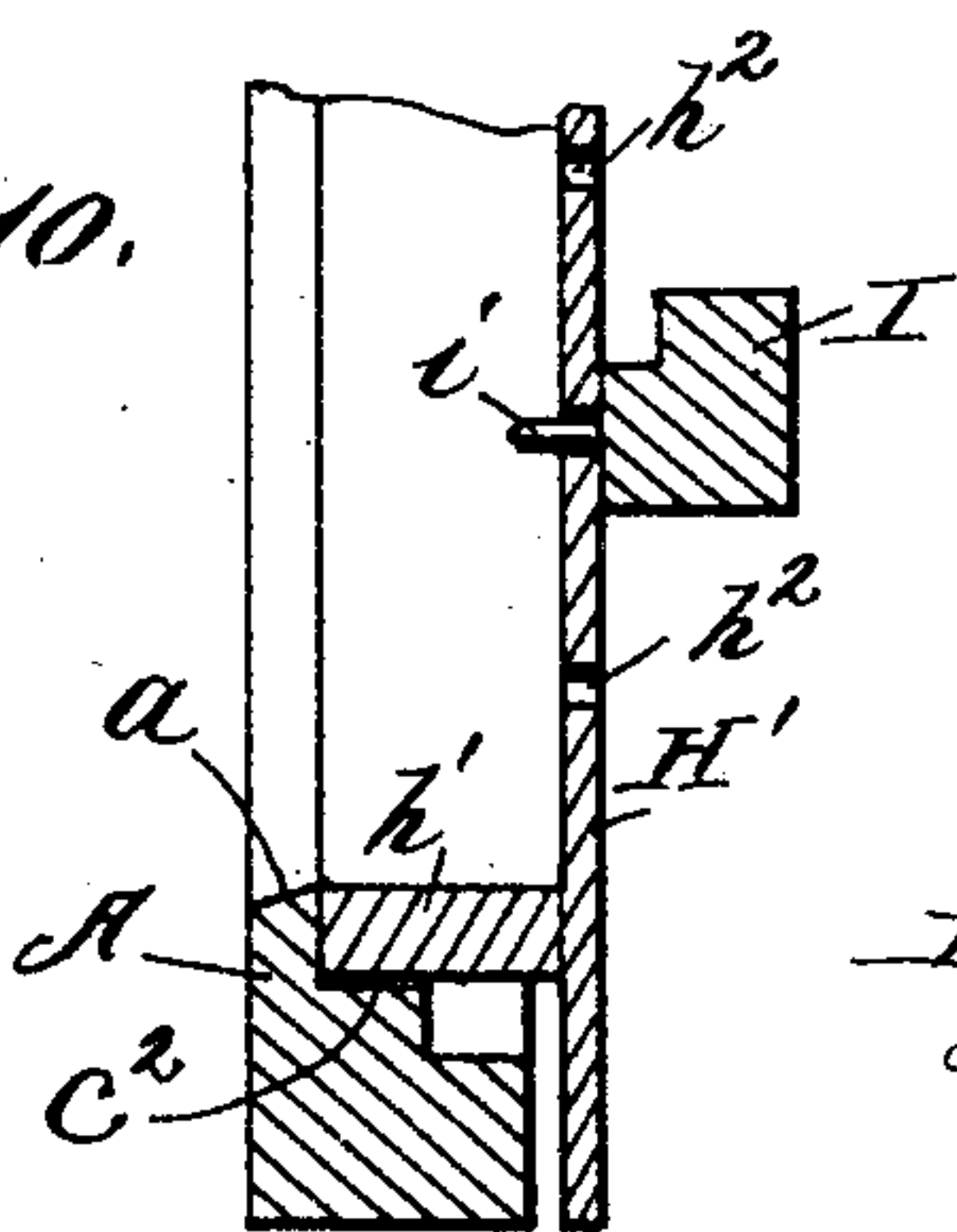


Fig. 11.

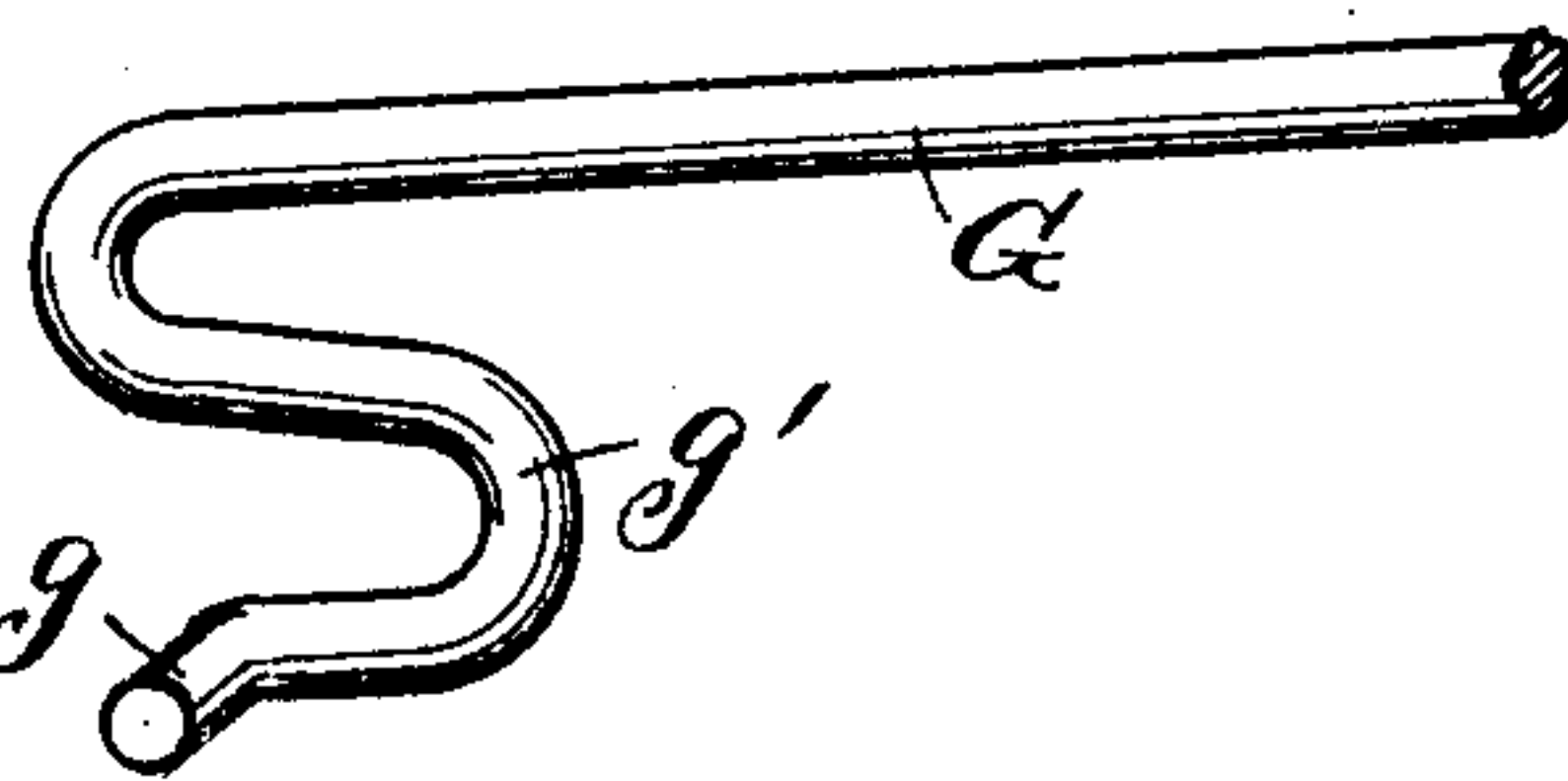
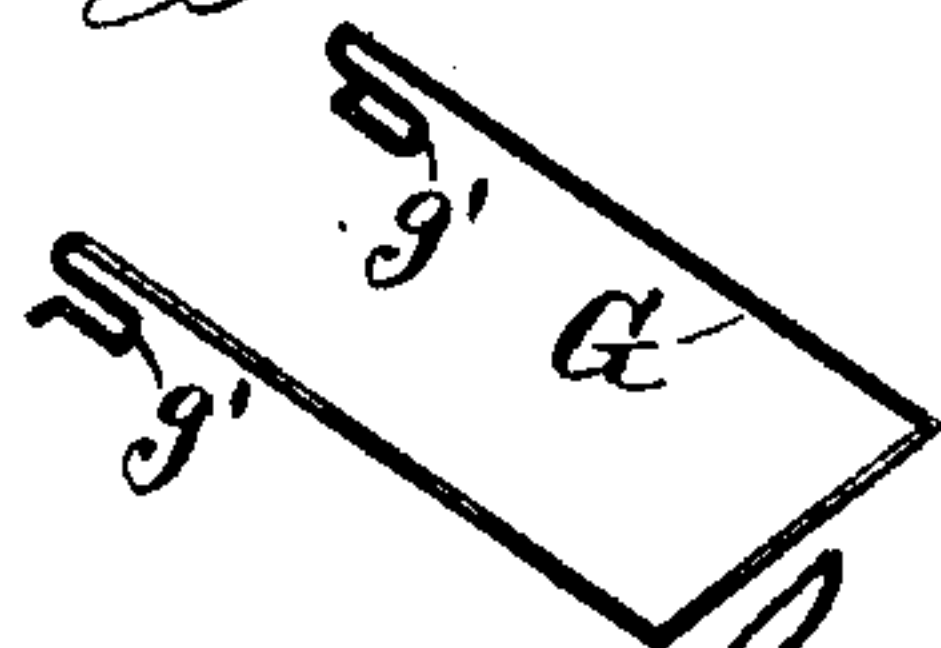


Fig. 12.



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# UNITED STATES PATENT OFFICE.

JOSEPH L. BROUSE, OF CHICAGO, ILLINOIS.

COMBINED PHOTOGRAPHIC-PRINTING FRAME AND RETOUCHING-STAND.

**SPECIFICATION** forming part of Letters Patent No. 637,745, dated November 21, 1899.

Application filed February 3, 1899. Serial No. 704,376. (No model.)

*To all whom it may concern:*

Be it known that I, JOSEPH L. BROUSE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have  
5 invented certain new and useful Improvements in a Combined Photographic-Printing Frame and Retouching-Stand, of which the following is a specification.

This invention relates to improvements in a  
10 combined photographic-printing frame and retouching-stand; and it consists in certain peculiarities of the construction, novel arrangement, and operation of the various parts thereof, as will be hereinafter more fully set  
15 forth and specifically claimed.

One object of my invention is to provide a  
10 printing-frame which may be easily converted into a retouching-stand provided with a hood to exclude the light and which when used as  
20 a printing-frame may be readily adjusted to any desired angle, so as to cause the rays of light to fall at right angles to the plane of the frame.

Another object of my invention is to so construct the printing-frame that a piece of tissue-paper or other suitable material may be  
25 removably secured thereover in a taut and smooth position, so as to soften the light to which the negative may be exposed in taking  
30 a print.

Other objects and advantages will appear in the description hereinafter contained.

In order to enable others skilled in the art to which my invention pertains to make and  
35 use the same, I will now proceed to describe it, referring to the accompanying drawings, in which—

Figure 1 is a rear perspective view of the printing-frame, showing it in position ready  
40 for use. Fig. 2 is a perspective view of the printing-frame, showing the manner of securing a piece of tissue-paper or other material thereon. Fig. 3 is a front perspective view of the frame, showing it equipped and in position as a retouching-stand. Fig. 4 is a frag-  
45 mental view of the hood used on the retouching-stand. Fig. 5 is a perspective view of a portion of the printing-frame and a part of the adjustable support therefor, showing them  
50 in an unlocked position. Fig. 6 is a cross-sectional view of a part of the frame, show-

ing the adjustable supporting-piece in its locked position. Fig. 7 is an end view in elevation of the frame, showing the spring-holder for holding the tissue-paper thereon. 55  
Fig. 8 is a detached perspective view of one of the bearing-plates for the said spring-holder or hood-holder. Fig. 9 is a cross-sectional view taken on line 9 9 of Fig. 2. Fig. 10 is a vertical sectional view of a portion of 60  
the retouching-stand. Fig. 11 is a similar view of a part of the hood-holder for the retouching-stand, and Fig. 12 is a reduced perspective view of the hood-holder for the re-  
touching-stand. 65

Similar letters refer to like parts throughout the different views of the drawings.

A represents the main frame, which may be made of any suitable size and material, but preferably of wood and rectangular in shape, 70  
as shown in the drawings. This frame is formed with a central opening *a*, which may be closed by a glass *a'*, which rests in suitable recesses *b* on the inner rear surface of the pieces forming the frame. Secured to 75  
the rear surfaces of the side pieces of the frame are projections *a''*, which project inwardly a slight distance to engage the ends of the bow-springs *b'*, which are secured about  
their middle to the rear surface of the shut- 80  
ter or door B, which is preferably made of two pieces hinged together, as shown in Fig. 1 of the drawings. Pivotaly secured to the  
sides of the frame A is a supporting-piece C, which comprises three sides of a rectangular 85  
figure and is of a size to fit snugly around the lower portion of the frame. This supporting-piece is provided on the outer surface of its lower or horizontal portion with a spring  
C', formed at its free end with projections *c*, 90  
which extend outwardly and are employed to prevent the piece C slipping when the frame is placed at an angle. The free end of the spring C' is also provided with a pin *c'*, which  
passes through an opening *c''* in the lower or 95  
horizontal portion of the supporting-piece C and into a socket or opening *d* in a plate *d'*, secured to the lower part of the main frame. Attached to the upper surface of the frame  
A, at each of its corners, is a bearing-plate E, 100  
which has a transverse opening *e* for the reception and retention of the spring-holder F



or hood-holder G, which may be employed when the device is used as a retouching-stand, as will be presently explained.

The spring-holder F is formed at each of its 5 ends with a double bend, so as to form short stub-shafts, which have their bearings in the openings *e* of the plates E, which, as before stated, are secured at the upper corners of the main frame. The middle portion of the 10 piece F is provided with a clamping portion *f'*, by bending the wire of which the said piece is made laterally, as at *f*<sup>2</sup>, and then at about right angles thereto, so as to overlap the front surface of the upper portion of the frame. 15 This holder is used to aid in holding in position a piece of tissue-paper H or other partly-transparent material which may be necessary to soften the light over the negative. The lower portion of the sheet H is held in position by means of the supporting-piece C, which 20 fits snugly around the main frame, as is clearly shown in Fig. 2 of the drawings.

To convert the frame into a retouching-stand, the cover B is removed from the frame 25 by disengaging the ends of the springs *b'* from the projections *a*<sup>2</sup> and also removing the glass *a'* and spring-holder F, when the supporting-piece C may be turned on its pivots, so as to extend in the opposite direction from that 30 shown in Fig. 1 of the drawings, in which position the frame may be adjusted to any desired angle. A board H', having a central opening *h* and provided with transverse cleats *h'* near its top and bottom, is then placed on 35 the frame, so that said cleats will rest on the recesses *c*<sup>2</sup> of the main frame. This board is provided near its edges with a series of openings *h*<sup>2</sup> to receive pins *i* on the cross-piece I, which is employed to support the negative 40 when being retouched. The openings *h*<sup>2</sup> in the board H' being arranged in vertical rows, (see Fig. 3,) it is apparent that the cross-piece I may be raised or lowered to accommodate pictures of different sizes or as the process 45 of retouching may require. Secured in the openings *e* of the bearing-plates E are the stub-shafts *g* of the hood-holder G, which is

preferably made of wire, bent to form three sides of a rectangular figure, as shown, and extends when in position at about a right 50 angle from the stand. Each end of the holder G is provided with an S-shaped bend *g'*, which terminates with a stub-shaft *g* to fit in the openings of the bearings at the upper corners of the frame, as before stated. The 55 hood G' is provided at proper places with eyelets *g*<sup>2</sup>, through which the stub-shafts *g* pass, and is hung over the holder G in such a manner as to exclude the light from the top and sides of the retouching-stand. 60

It is apparent that by pivotally securing the supporting-piece C to the frame any desired inclination may be given thereto, so as to adjust the frame to the rays of light from the sun. 65

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

1. The combination with a main frame having a central opening, of a supporting- 70 piece pivotally secured thereto and being capable of fitting closely around a portion of the frame, and a holder secured to the upper portion of the frame, substantially as described. 75

2. The combination with a main frame having an opening and provided on its outer surface with a socket, of a supporting-piece 80 pivotally secured to the frame and adapted to fit closely around a portion of the frame, a spring secured to the lower portion of the supporting-piece and having at its free end outwardly-extending projections, and an inwardly-extending pin to fit within the socket 85 of the main frame, bearing-plates having openings and secured to the upper portion of the main frame, a holder having stub-shafts at its ends to fit in the openings of the bearing-plates, substantially as described.

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