

(No Model.)

A. O. KAISER.  
PHOTOGRAPHIC PLATE HOLDER.

No. 567,596.

Patented Sept. 15, 1896.

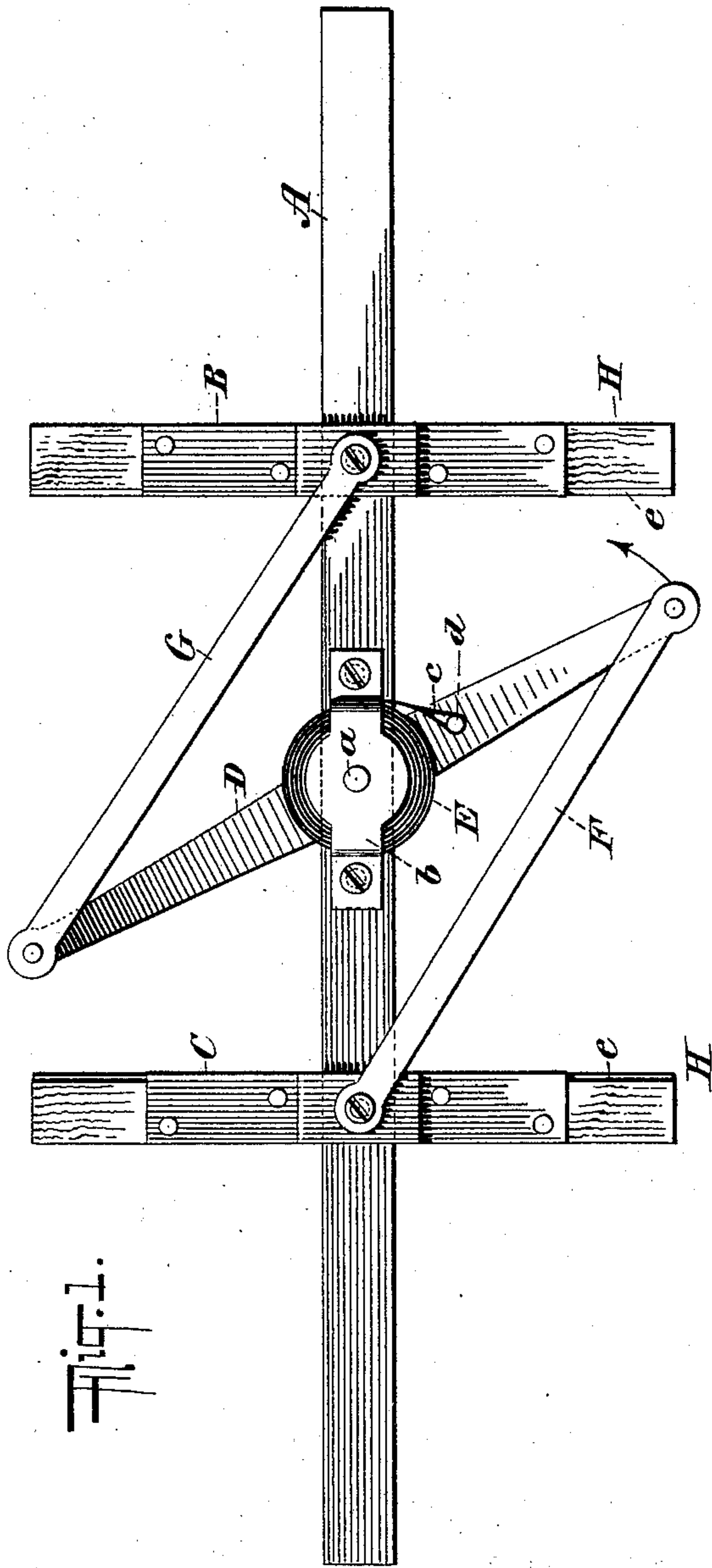


Fig. 1.

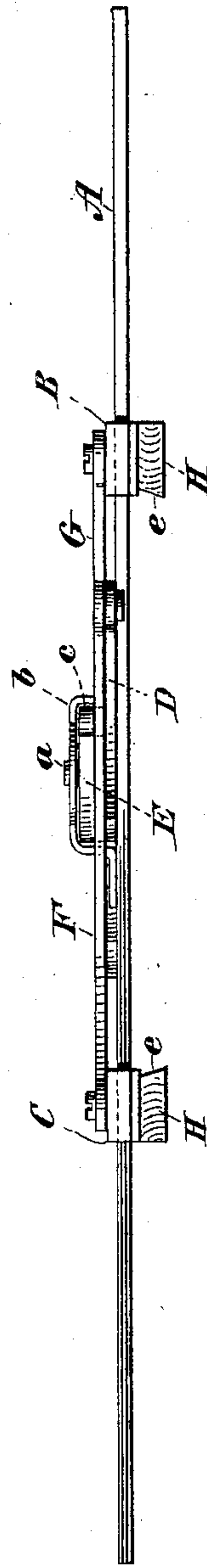


Fig. 2.

WITNESSES:

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INVENTOR

*Alexander O. Kaiser*  
BY *Briesen & Mautz*

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

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## PHOTOGRAPHIC-PLATE HOLDER.

SPECIFICATION forming part of Letters Patent No. 567,596, dated September 15, 1896.

Application filed February 12, 1896. Serial No. 579,026. (No model.)

*To all whom it may concern:*

Be it known that I, ALEXANDER OTTO KAISER, a resident of Brooklyn, Kings county, State of New York, have invented certain new and useful Improvements in Photographic-Plate Holders, of which the following is a specification.

My invention relates to extensible photographic-plate holders for carrying various sizes of plates.

My invention consists in the construction hereinafter set forth and claimed.

My invention will be understood by reference to the accompanying drawings, in which—

Figure 1 is a plan view of a plate-holder embodying my invention, and Fig. 2 is a side or edge view thereof.

In the drawings, A is the main bar or guide of the plate-holder, upon which slide cross-bars B and C. A swinging bar D is pivoted by its middle to the main bar A by means of the pin *a*, a strap or stirrup *b* being mounted upon the main bar and serving to secure the pivot *a* and to confine a spring E, whose inner end is preferably secured to the pivot and whose outer end, in the present instance, is shown to terminate in a loop *c*, which is connected with any movable part of the device, as to a pin *d* on the swinging bar D, to draw the cross-bars B C toward each other. Each end of the swinging bar is connected to one of the sliding cross-bars B C, preferably by means of a link, as indicated at F G. The sliding cross-bars are each provided with suitable means, as a batten H, having a beveled face *e*, for securely holding the photographic plate. The spring E, tending to swing the swinging bar in the direction of the arrow, will cause the said bar to pull upon the links and thus draw the sliding cross-bars nearer together.

It will be observed that in the construction shown the swinging bar D extends an equal

distance on each side of its pivot, and the links F G are of equal extent, so that the cross-bars B C maintain the plate properly centered in the holder, no matter what size plate is used. In use the cross-bars are slid apart the distance required, the plate is inserted between them, and the spring acting upon the parts causes the battens of the cross-bars to firmly grip the plate in the proper position.

It will be understood that in practice the construction hereinbefore described is mounted in the usual or any preferred construction of casing of a plate-holder, and it may sometimes be found desirable, in mounting the device, to dispense with the main bar A.

It is obvious that in practice I may duplicate some of the parts, so as to provide a holder capable of holding two or more plates at the same time.

What I claim, and desire to secure by Letters Patent, is—

1. In a plate-holder, the combination of sliding cross-bars, a swinging bar, connections between the cross-bars and the swinging bar and a spring connected with moving parts of said plate-holder to cause the cross-bars to be forced toward each other.

2. The combination of a main bar, cross-bars sliding thereon, a spring-actuated swinging bar and links connecting the swinging bar with the sliding cross-bars.

3. The combination of the main cross-bar A, the sliding bars B and C sliding thereon, the swinging bar D pivoted to the main cross-bar, the link connections F G intervening between the swinging bar and the sliding bars, and a spring connected by one end to a movable part of the plate-holder, and by the other end to the pivot of the swinging bar.

ALEXANDER OTTO KAISER.

Witnesses:

CHARLES E. SMITH,  
GEO. E. MORSE.