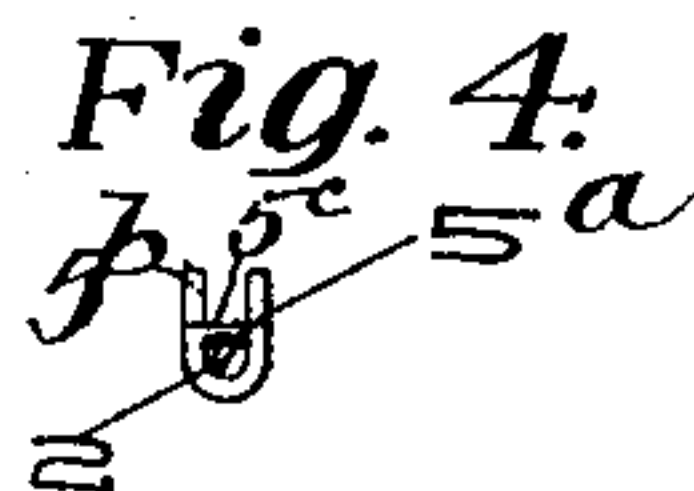
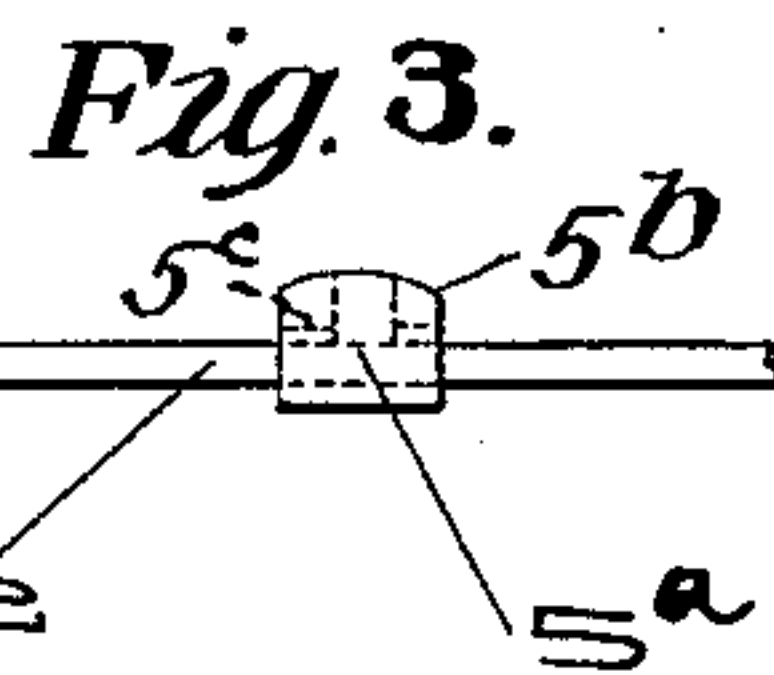
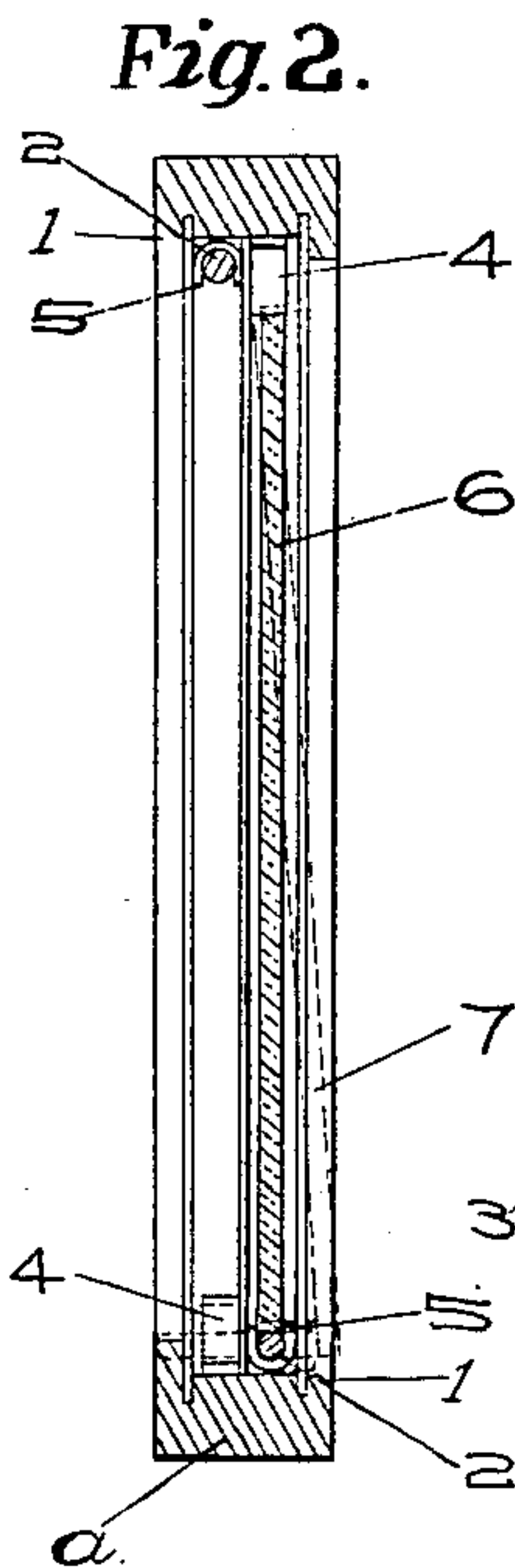
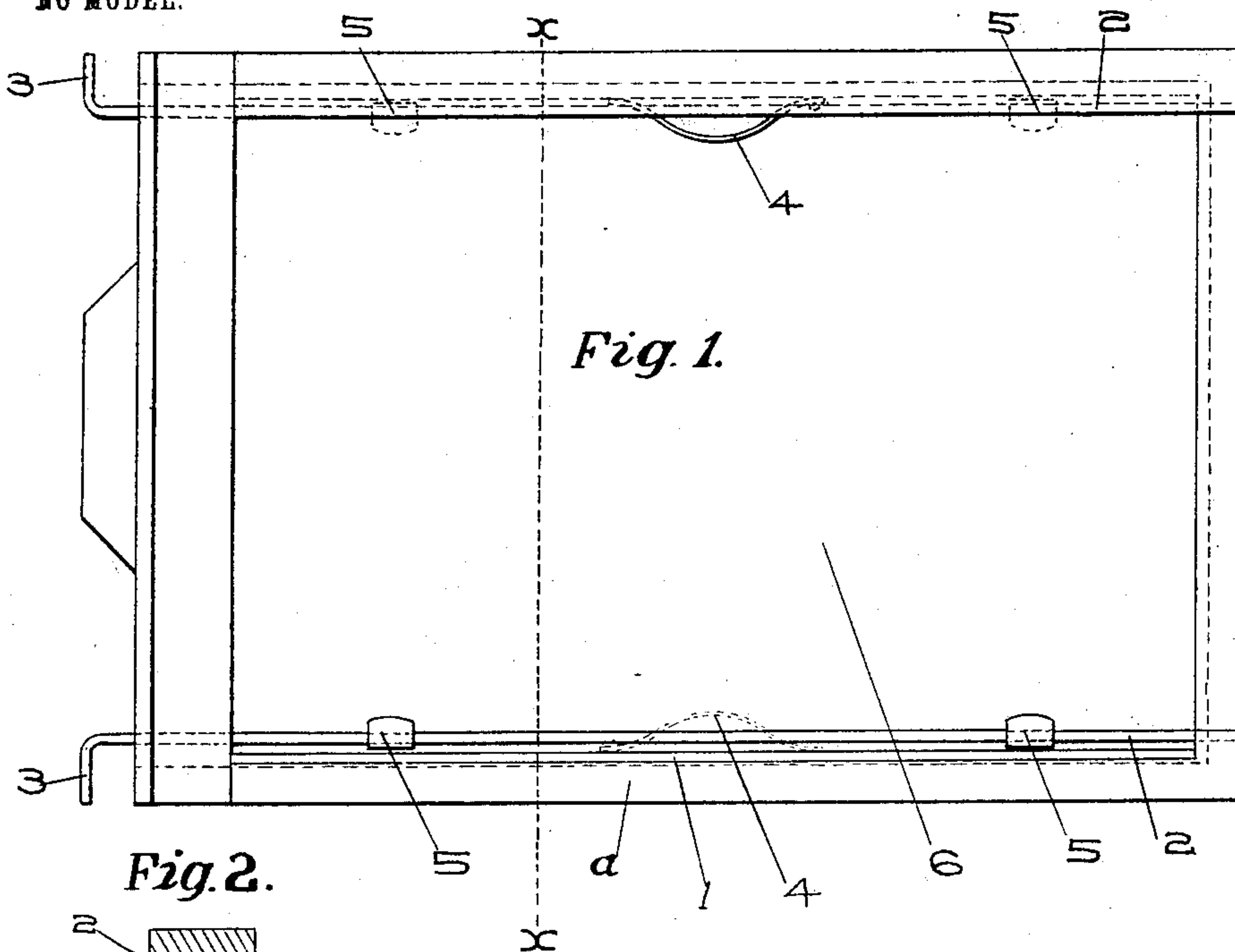


G. A. HAGNER.
PHOTOGRAPHIC PLATE HOLDER.
APPLICATION FILED JULY 1, 1902.

NO MODEL.



Witnesses
W. M. Gaudin
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Gustav A. Hagner Inventor

By Attorney *Nathan V. Crowell*

UNITED STATES PATENT OFFICE.

GUSTAVE A. HAGNER, OF MERIDEN, CONNECTICUT.

PHOTOGRAPHIC-PLATE HOLDER.

SPECIFICATION forming part of Letters Patent No. 740,850, dated October 6, 1903.

Application filed July 1, 1902. Serial No. 113,986. (No model.)

To all whom it may concern:

Be it known that I, GUSTAVE A. HAGNER, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Photographic-Plate Holders; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to improvements in photographic-plate holders; and it consists in certain novel features of construction and arrangement of parts, which will be more fully hereinafter described in the following specification, and pointed out in the claims.

The object of this invention is to produce a cheap, durable, and efficient plate-holder for photographic purposes from which the plate can be more readily and easily ejected than from those now in use, and I attain these objects by means of the mechanism illustrated in the accompanying drawings, in which—

Figure 1 is a view in elevation of a form of holder well calculated to illustrate and carry out the spirit of my invention. Fig. 2 is a view of a transverse section, taken on the line X X of Fig. 1. Fig. 3 is a detached view of the ejector-rod with one of the retaining and ejecting jaws or dogs mounted thereon. Fig. 4 is an end view of the portion shown in the preceding figure.

Similar letters and figures refer to similar parts throughout the entire views.

A represents a frame of usual construction with the exception that one of the inner edges of each of its side pieces is beveled or slanted off, as shown at 1 in Figs. 1 and 2.

2 represents the shaft or spindle mounted in the frame A and is secured in place in any well-known and approved manner. The outer end of the shaft or spindle 2 is bent at an angle, as shown at 3, to form a handle or lever by which to turn it when manipulating the device.

4 is a spring secured to the inner edge of the frame A and is located in approximately the same plane as the shaft or spindle 2.

5 5 are jaws or dogs mounted upon the shaft or spindle 2 and are formed approximately U shape, as shown in Fig. 2. The jaws or dogs may consist of strips secured to the shaft, or, as shown in Figs. 3 and 4, each may comprise a body 5^a with extended sides 5^b to engage the glass. In this form a flat portion 5^c is produced against which the edge of the glass bears. This form will prevent accidental rotation of the shaft.

In Fig. 2, 6 represents the plate in its retained position.

7 illustrates in dotted lines the manner in which the plate 6 is released and ejected by a partial revolution of the shaft or spindle 2.

The operation of the device is as follows: With the jaws or dogs in their retaining position one edge of the plate 6 is pressed against the spring 4 until the said spring is sufficiently depressed to admit of passing the opposite edge of the said plate over into the jaws or dogs 5 5, when it will be retained in position by reason of the spring-pressure being exerted directly over the center of the shaft or spindle 2. To release and eject the plate, it is simply necessary to turn the handle 3 in the proper direction, when the edge of the plate will be thrown forward, and the spring then acts to eject the plate from the holder in a manner which will be readily understood.

It is obvious that numerous similar constructions may be made without departing from the spirit of my invention. Therefore I do not wish to be understood as limiting myself to the exact construction shown, but desire the liberty to enjoy the full scope of my invention and to construct the same in any manner which I may deem desirable.

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

1. A photographic-plate holder, comprising a frame, a rotatable shaft, or spindle, provided with one or more jaws, or dogs, and mounted therein, and a spring arranged within said frame, and adapted to act in conjunction with said jaws, or dogs to either retain within, or eject a plate from said frame, substantially as shown and described.

2. In a photographic-plate holder, a frame, a rotatable shaft, jaws carried by the shaft

and a spring coacting with the jaws as and for the purpose described.

3. A photographic-plate holder comprising a frame and in combination a shaft journaled
5 along the inner edge of one side of the frame, jaws carried by the shaft and a spring on the inner edge of the side of the frame opposite the shaft, the dogs being arranged to embrace

the edge of a plate when turned inwardly, as and for the purpose described. 10

In testimony whereof I affix my signature in presence of two witnesses.

GUSTAVE A. HAGNER.

Witnesses:

T. M. BYXBEE,

JOHN M. BREWER.