

W. H. HAMERSLY.
PHOTOGRAPHIC FILM HOLDER.

(Application filed May 6, 1902.)

(No Model.)

FIG. 1

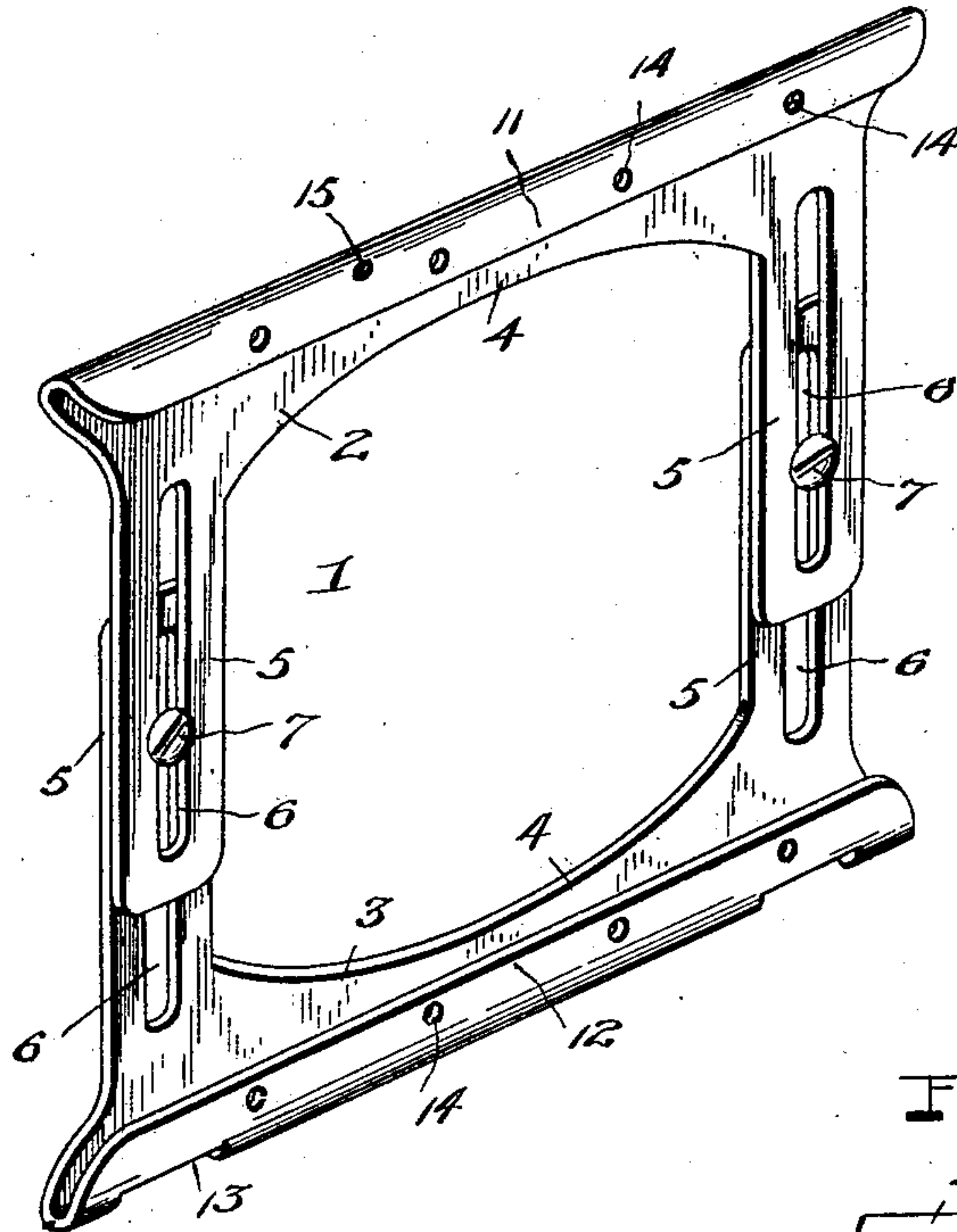


FIG. 5

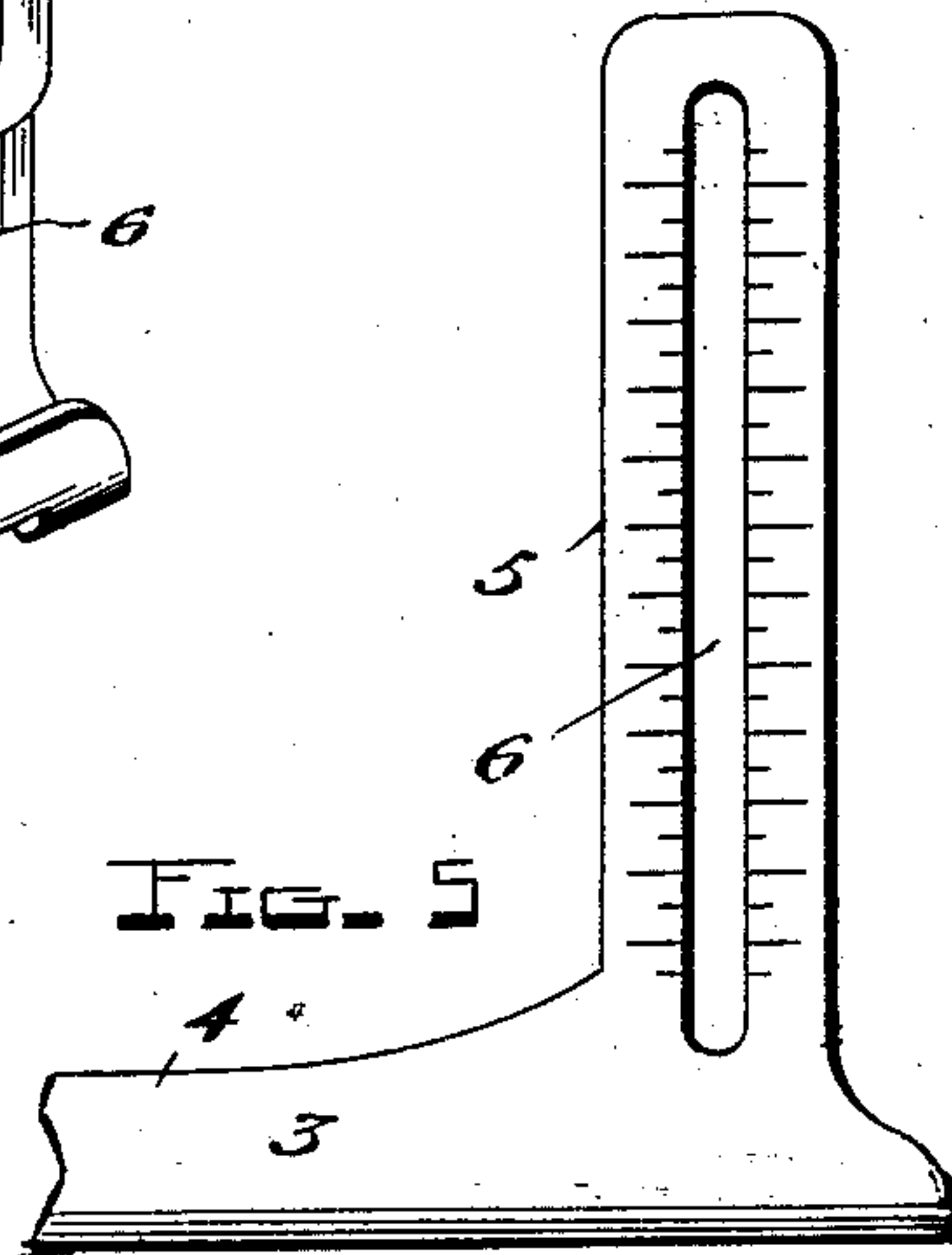


FIG. 2

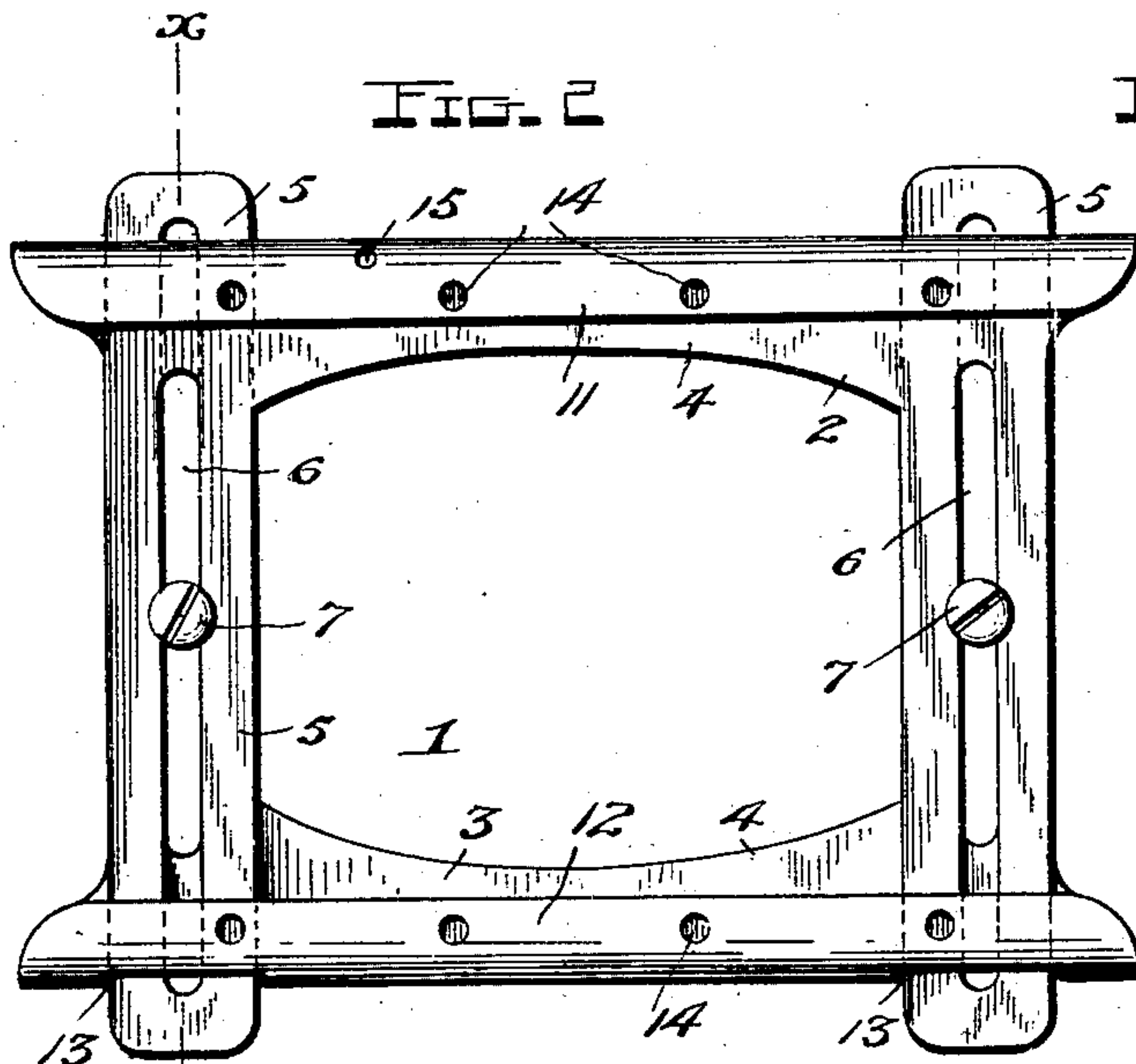
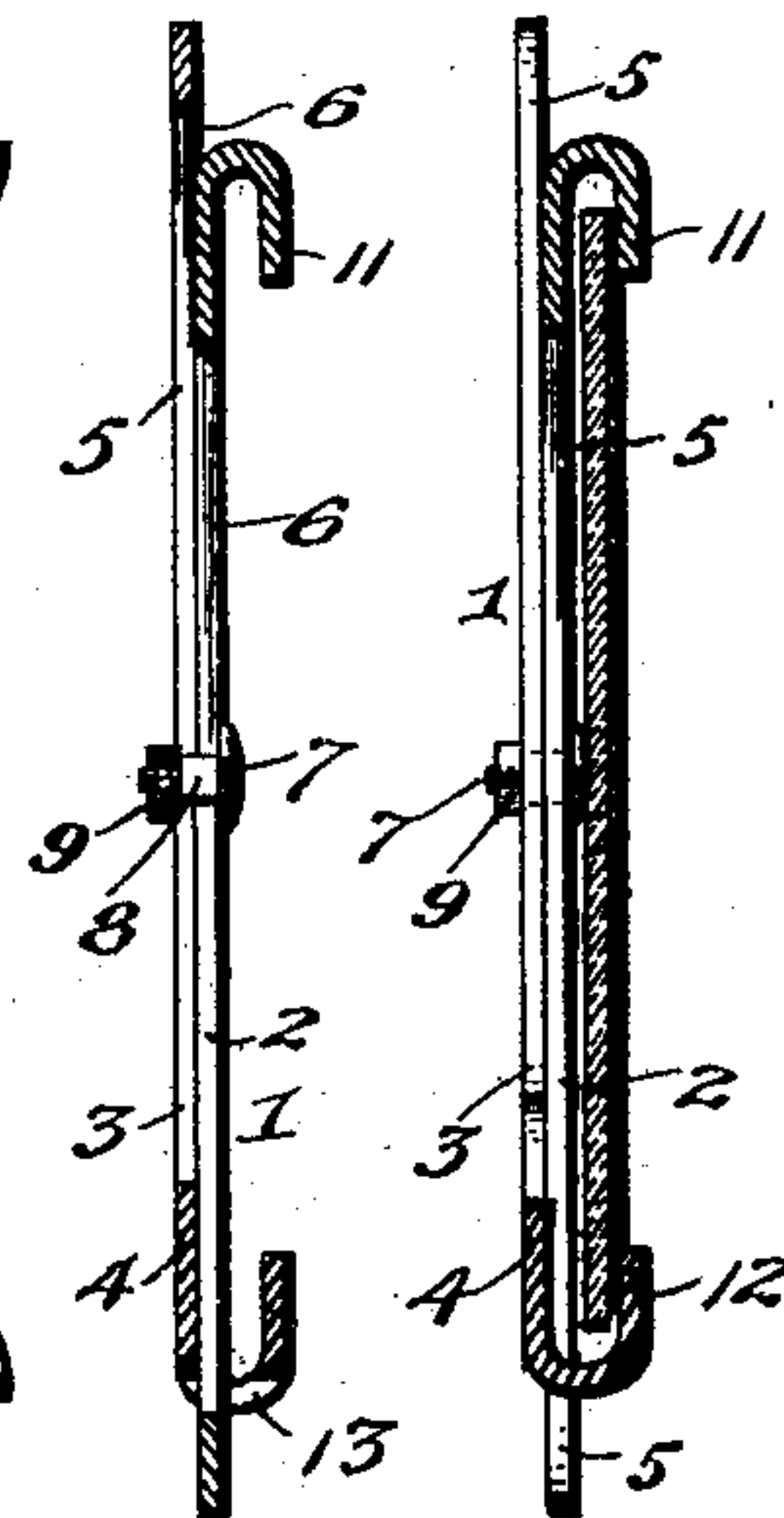


FIG. 3 FIG. 4



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Witnesses

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UNITED STATES PATENT OFFICE.

WILLIAM H. HAMERSLY, OF HARRISBURG, PENNSYLVANIA.

PHOTOGRAPHIC-FILM HOLDER.

SPECIFICATION forming part of Letters Patent No. 715,372, dated December 9, 1902.

Application filed May 6, 1902. Serial No. 106,199. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. HAMERSLY, a citizen of the United States, residing at Harrisburg, in the county of Dauphin and State of Pennsylvania, have invented certain new and useful Improvements in Photographic-Film 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.

The invention relates to photographic-film holders.

The object of the invention is to provide a device of this character which shall be simple of construction, durable in use, comparatively inexpensive of production, and which will positively and securely hold and retain the photographic film in a flat condition against curling in the act of toning, fixing, washing, and drying, thus rendering it wholly unnecessary to employ glycerin for the purpose of preventing the curling of the film and also obviating the objectionable practice of bending down the four corners of the film in drying it.

A further object of the invention is to provide the holder with a plate to form a backing for the film when it is desired to retouch the same.

With these and other objects in view the invention consists of certain novel features of construction, combination, and arrangement of parts, which will be hereinafter more fully described, and particularly pointed out in the appended claims.

In the accompanying drawings, Figure 1 is a perspective view of my improved film-holder. Fig. 2 is a front view of the same, showing the parts of the holder adjusted to accommodate a film of a different size from that to be accommodated by the holder when the parts thereof are adjusted to the position shown in Fig. 1. Fig. 3 is a vertical sectional view on line *xx* of Fig. 2. Fig. 4 is a similar view centrally through the device, showing a plate secured in the frame under a film, by the use of which plate a backing for the film is provided whereby said film may be retouched; and Fig. 5 is a fragmentary view of the rear side of one of the vertical portions of one of the frames, showing a row of graduations.

Referring to the drawings, 1 denotes the

frame of the holder, which consists of two adjustable sections 2 and 3, each of which consists of a horizontal portion 4 and vertically-disposed arms 5, arranged at right angles to the horizontal portion and provided with longitudinal slots 6 and adjustably fastened together in any suitable manner. A convenient way of effecting this adjustment is shown in the drawings and consists of a bolt 7, having a square shank 8, which engages the side walls of one of the slots to prevent turning of the bolt and is provided with a nut 9 for locking the parts together after they have been properly adjusted. Any other suitable means, however, may be employed without departing from or sacrificing the principles of the invention.

The horizontal portions of the holder are provided with flanges or jaws 11 and 12, projecting toward each other, the flange or jaw 12 being formed with apertures 13 to receive the lower ends of the arms of the opposite section of the frame when the holder is adjusted to the position shown in Fig. 2, thus enabling me to obtain a wide range of adjustment, and each of the flanges or jaws is provided with perforations 14 to allow those edges of the film covered by the flanges or jaws to be subjected to the action of the chemical solution and the film to be uniformly developed.

One of the sections may be provided with an aperture 15, by means of which the holder may be engaged with a nail and hung up against a wall in the drying of the film.

In retouching a plate may be placed in proper position between the side flanges or jaws and the film laid flat out on the plate with its edges also between the jaws, in which position the plate will act as a backing for the film and permit of its being readily retouched.

As shown in Fig. 5, the vertical members of one of the horizontal portions of the frame may be provided with graduations, whereby the parts of the frame may be properly adjusted to receive films of different sizes, it being understood that the films are inserted into the holder by being slid in between the jaws at the ends thereof.

From the foregoing description, taken in connection with the accompanying drawings, the construction, mode of operation, and ad-

vantages of the invention will be readily understood without requiring an extended explanation.

5 It may, however, be well to state that it has been demonstrated in practice that by the use of a film-holder of this character the film after having been developed and dried in the holder will remain flat and be prevented from rolling or curling.

10 Various changes in the form, proportion, and details may be made within the scope of the invention without departing from the spirit or sacrificing any of the advantages thereof.

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

1. A photographic-film holder comprising two adjustable frames provided with coacting jaws each of which extends throughout the entire length of the frame and which are adapted to receive and hold in a straight position the opposite edges of the film, and means for holding the films in adjusted position, substantially as set forth.

2. A photographic-film holder comprising two adjustable frames each of which is composed of a horizontal portion having a jaw, and vertical portions having longitudinal slots, bolts projecting through said slots, and

nuts secured upon the ends of said bolts, substantially as set forth.

3. A photographic-film holder comprising two adjustable frames each of which is composed of a horizontal portion having a jaw, and vertical portions having longitudinal slots, one of the jaws being provided with apertures to receive the lower ends of the vertical portions of the other jaw, bolts projecting through the vertical slots, and nuts secured upon the ends of said bolts, substantially as set forth.

4. A photographic-film holder comprising two adjustable frames each of which is composed of a horizontal portion having a jaw, and vertical portions having longitudinal slots, one of the jaws being provided with apertures to receive the lower ends of the vertical portions of the other jaw, bolts projecting through the vertical slots, and nuts secured upon the ends of said bolts, said jaws being provided with perforations, substantially as set forth.

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

WILLIAM H. HAMERSLY.

Witnesses:

JOHN C. NISSLEY,
AMY R. HARNER.