

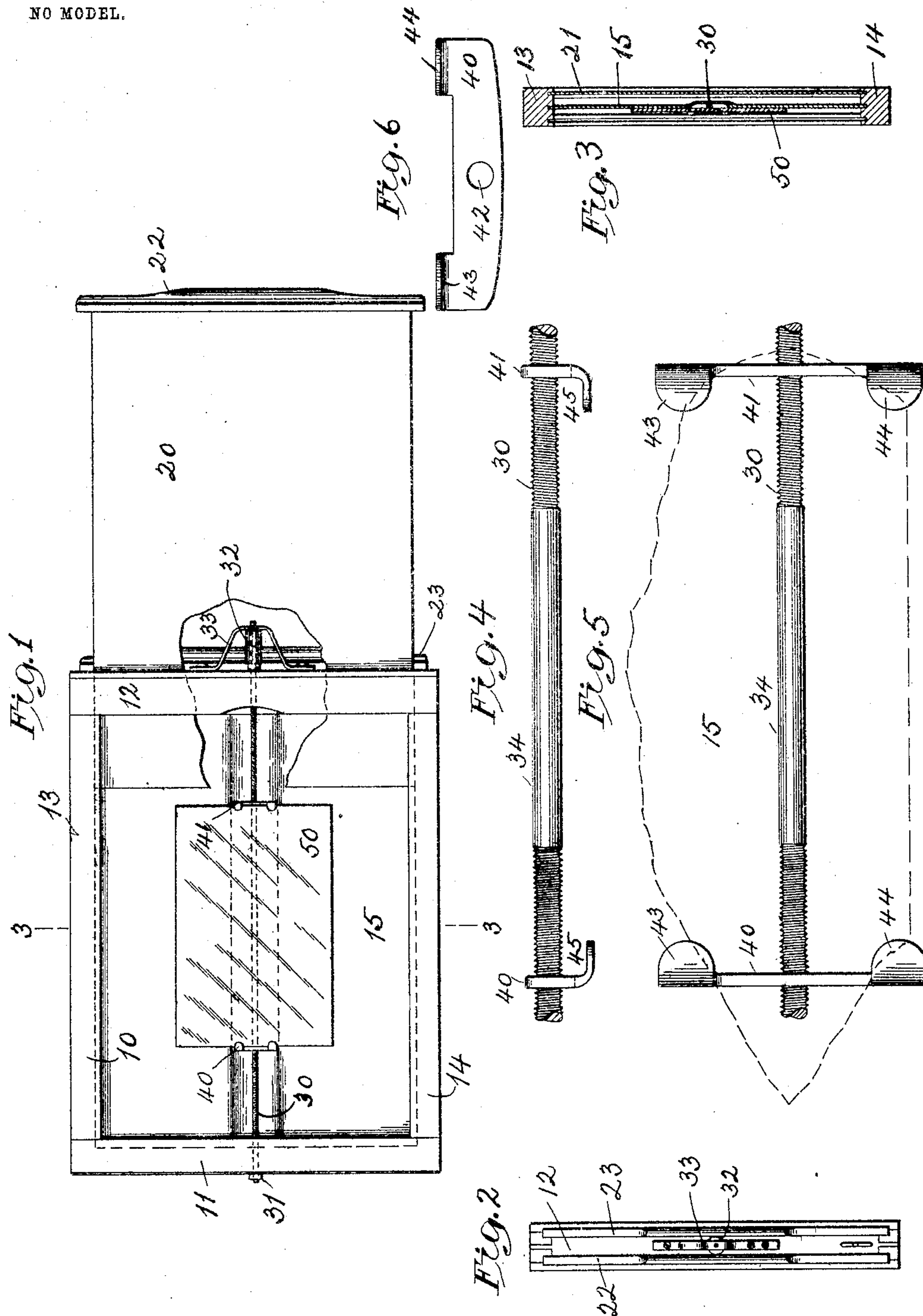
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PATENTED DEC. 6, 1904.

F. J. MAUBORGNE.
PHOTOGRAPHIC PLATE HOLDER.

APPLICATION FILED JULY 11, 1903.

NO MODEL.



Witnesses
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UNITED STATES PATENT OFFICE.

FRANCIS JOSEPH MAUBORGNE, OF NEW YORK, N. Y.

PHOTOGRAPHIC-PLATE HOLDER.

SPECIFICATION forming part of Letters Patent No. 776,670, dated December 6, 1904.

Application filed July 11, 1903. Serial No. 165,065. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS JOSEPH MAUBORGNE, a citizen of the United States, and a resident of the city of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Photographic-Plate Holders, of which the following is a specification.

This invention relates to holders for photographic plates and the like, and its novelty consists in the construction and adaptation of the parts, as will be more fully hereinafter pointed out.

Plate-holders are usually made to hold plates of but one size. It has long been recognized that it would be convenient and desirable if plates of different sizes could be placed within the same holder. Attempts have been made to accomplish this by arranging the edge-embracing panels of the frame so as to engage the edges of plates of different sizes; but such methods in reality only provide for plates of sizes corresponding to the spaces within the steps. By this invention, presently to be described, a plate-holder is provided which will securely retain a plate of any size smaller than the interior area of the frame.

In the drawings, Figure 1 is a plan of the improved plate-holder with one of the slides partly removed from the frame and also cut away to show the concealed parts. Fig. 2 is an end view thereof with both slides in position, looking from left to right in Fig. 1. Fig. 3 is a transverse section on the plane of the line 3 3 in Fig. 1. Fig. 4 is an enlarged side view, and Fig. 5 a similar plane view, of the double-threaded clamp-rod. Fig. 6 is an enlarged view of one of the clamps.

In the drawings, 10 is the frame of the plate-holder, comprising the end members 11 and 12 and side members 13 and 14. The members 11, 13, and 14 are recessed, and the member 12 is apertured in the usual manner to receive the slides and the whole is provided with the opaque middle diaphragm 15.

20 and 21 are the usual opaque slides made of any suitable material and provided with the projecting edge members 22 and 23 at one end to permit of the slides being easily han-

dled and grasped to withdraw them from the frame.

Mounted longitudinally along the medial line of the frame is a double-threaded rod 30, the threads at one end being cut right hand and the other left hand. This rod is provided with bearings in the members 11 and 12 and terminates at one end in the nut 31 and at the other in the finger-piece 32, both of these being rigidly secured to the body of the rod and turning with it. A strap-bearing 33 is secured to the member 12 and encircles the finger-piece 32, the extreme end of the rod passing through an aperture in the strap. The middle portion 30 of the rod 30 is not threaded.

Mounted on the rod 30 are two clamps 40 and 41, each provided with an aperture 42, internally threaded to engage with the corresponding threads on the rod and each provided with inwardly-extending flanges 43 and 44. The space between the rod 30 and each of these flanges 43 and 44 forms a pocket 45, within which is placed the plate 50 desired to be secured in the holder.

If a plate, as 50, be placed above the rod 30 so that its edges can fall within the pockets 45, then rotating the finger-piece 32 will bring the clamps toward each other and securely hold the plate 50 in place.

It will be noted that by the use of a right and left hand screw the plate may thus be held substantially in the middle of the frame, and by the use of clamps having the inwardly-turned flanges, forming a pocket for the reception of the plate, the plate is rigidly held without further accessories and will not be displaced during the necessary handling of the holder after the plate is in it.

What I claim as new is—

A holder for photographic plates and the like, comprising two grooved side members, one grooved end member and one apertured end member, opaque diaphragms slidable in the grooves of the side members, and a strap-bearing secured on the outside of one of the end members, in combination with a rod journaled in the center of the end members and the strap-bearing, between the diaphragms and having its end portions within the frame

oppositely screw-threaded, two clamps each
consisting of a main body threaded on one of
the threaded ends of the rod and two inwardly-
turned flanges which with the rod form a
5 pocket to receive a plate, and a hand-piece se-
cured upon the rod between the end piece and
the strap-bearing.

Witness my hand this 9th day of July, 1903,
at the city of New York, in the county and
State of New York.

FRANCIS JOSEPH MAUBORGNE.

Witnesses:

HERMAN MEYER,
ESTELLE M. TITUS.