

W. S. BENSON & J. BRIELOFF.
 PHOTOGRAPHIC PLATE.
 APPLICATION FILED MAR. 11, 1911.

1,012,505.

Patented Dec. 19, 1911.

Fig. 1

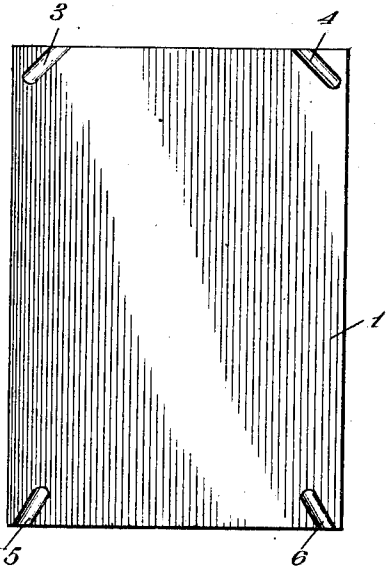


Fig. 2

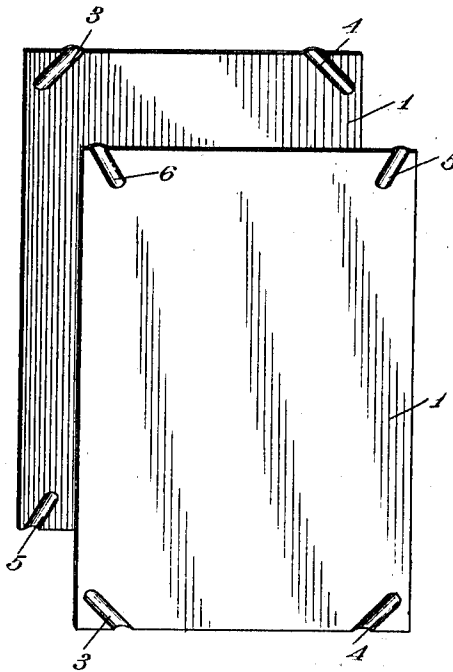
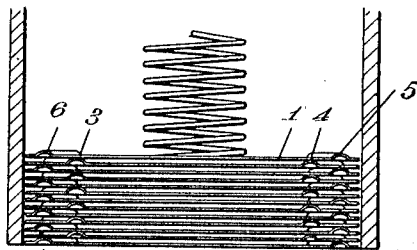


Fig. 3



WITNESSES:

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PHOTOGRAPHIC PLATE.

1,012,505.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that we, WILLIAM S. BENSON and JOSEPH BRIELOFF, both citizens of the United States, and residents of the city of New York, borough of Manhattan, in the county and State of New York, have invented a new and Improved Photographic Plate, of which the following is a full, clear, and exact description.

This invention relates to a new and improved photographic plate of a type adapted to be constructed of some thin material, such as metal, and to be used in magazine cameras.

It has been found that in such types of magazine cameras as use thin metallic plates in packs, it has been difficult to separate the several plates from each other, in order to feed each successive plate in opposition to the lens.

It is therefore an object of this invention to provide a camera plate with means for affording sufficient space between the separate plates when arranged in a pack, to give the required clearance, so that one plate can be separated from the others.

A further object of this invention is to provide a camera plate which will be extremely thin, and yet which will afford the desired clearance without the wasting of any excessive metal, and without the necessity of any complicated mechanism for forming the same.

These and further objects, together with the construction and combination of parts, will be more fully described hereinafter and particularly set forth in the claims.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a face view of one of the plates; Fig. 2 shows two juxtaposed plates in perspective, bringing out their relative positions, whereby the alternate plates are staggered when placed in a pack, so that the offsets will intersect each other at an angle, thereby affording the proper clearance; and Fig. 3 is a top plan view, showing a series of plates in a pack.

Referring more particularly to the details of this invention as embodied in the form shown in the drawings, 1 indicates a photographic plate, which may be of any suitable material, such as sheet metal, and

which may be coated with a sensitive film of any suitable character.

It will be noted that the plate is stamped, expanded, or punched out adjacent its edges to form a plurality of offsets 3, 4, 5 and 6. These offsets are arranged in pairs, which may slope toward each other, with the pair at one end sloping in substantially the same direction as the pair at the other end, although the angle may be slightly different, if desired. The main idea is to have opposite offsets extending in angular relation with respect to each other, so that when two plates are placed in juxtaposition to each other, with one end of one adjacent the opposite end of the other, and facing in the same direction, the offsets of one, in this instance represented at 6 and 5, will be opposite the offsets of the other, represented at 3 and 4, as indicated in Fig. 2, so that they cross at an angle, thereby preventing the offsets fitting into each other, thus affording the necessary clearance, due to the amount of the extension of the offsets.

While we have shown one embodiment of our invention, we do not wish to be limited to the specific details thereof, but desire to be protected in various changes, alterations and modifications which may come within the scope of the appended claims.

Having thus described our invention, we claim as new and desire to secure by Letters Patent:—

1. A photographic plate, comprising a sheet having portions adjacent the edges thereof stamped out to form offsets adapted to space said plate apart from a similar plate when said plates are placed in contact with each other, said offsets being arranged in pairs, the members of the pairs sloping toward each other, the members of each pair sloping in substantially the same direction as the corresponding members of the other pairs.

2. A camera pack, comprising a plurality of thin plates arranged in juxtaposition to each other, each plate having a series of offsets arranged in pairs in angular relation with respect to each other, the members of each pair being substantially parallel to the corresponding members of the other pair, each alternate plate being inverted with respect to the adjacent plates so as to have the adjacent offsets on the adjacent plates extending at angles to each other.

3. A photographic plate, comprising a

sheet having portions adjacent the edges thereof stamped out to form offsets having a greater linear magnitude in one direction than another, each offset extending at an angle to an opposite offset, so that the adjacent offsets on two plates placed with a face of one plate registering with a face of the other plate in inverted relation with respect to each other will extend at an angle to each other, thereby preventing the off-

sets of one plate fitting into the offsets of the other plate.

In testimony whereof we have signed our names to this specification in the presence of two subscribing witnesses.

WILLIAM S. BENSON.
JOSEPH BRIELOFF.

Witnesses:

H. WHITING,
PHILIP D. ROLLHAUS.