

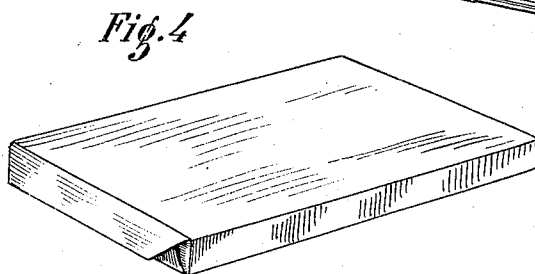
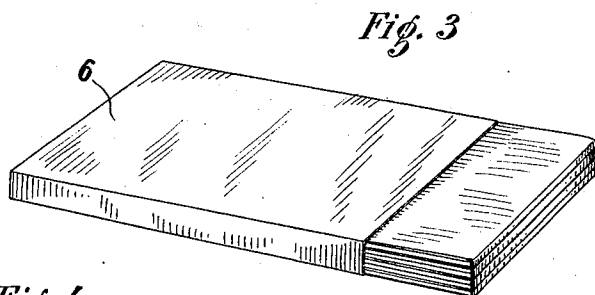
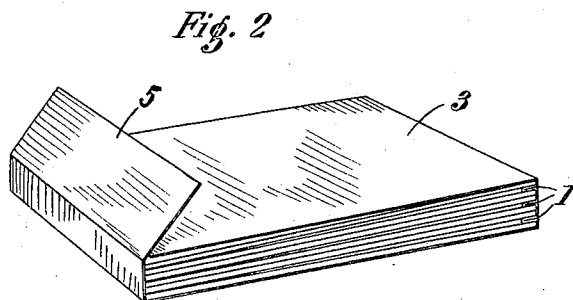
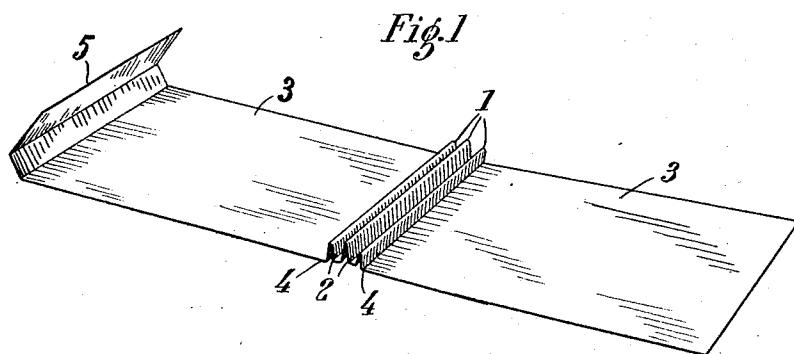
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PACKING PHOTOGRAPHIC PLATES

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UNITED STATES PATENT OFFICE

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PACKING PHOTOGRAPHIC PLATES

Application filed February 26, 1930, Serial No. 431,558, and in Germany March 16, 1929.

My present invention relates to a new packing for photographic plates and more particularly to a wrapper separating the plates situated in twos with the emulsion side adjacent to each other.

Photographic plates were hitherto, as a rule, packed by enveloping them in suitable paper in such a manner that the emulsion layers of two plates were opposite one another. If the plates are to be sent to tropical countries, strips of cardboard are frequently placed between the layers at the edges of every two plates in order to avoid a contact of the layers which would cause inconveniences.

In this kind of packing it is very difficult to ensure that the plates remain in a stationary position so that they are not displaced relatively to each other. This packing of photographic plates determined for the export to tropical countries with interposition of strips of cardboard is particularly circumstantial and wearisome.

According to the present invention all of these drawbacks are remedied by separating every two plates of a pile of plates positioned with their emulsion layers adjacent to each other at one edge or at two opposite edges by means of short folds of a paper strip wrapping the pile of plates on 4 sides. The plate-pile thus held together by the paper strip is advantageously inserted into a bag-like envelope made of paper closely embracing the upper and the lower side as well as the two free sides of the pile of plates not yet covered by the separating paper strip.

The accompanying drawings illustrate by way of example a plate pack according to my invention suitable for 6 plates.

Figure 1 represents a paper strip suited for keeping together the pile of plates;

Figure 2 shows the pile of plates covered at the upper and lower side and the two narrow sides by the paper strip;

Figure 3 shows the pile of plates (Fig. 2) while being inserted into an envelope closely embracing the upper and the lower side and furthermore the two longitudinal sides of it;

Figure 4 represents the pack also closed at the two narrow sides.

The plates of a pile of plates are fitted two by two, glass side next glass side, into the notches 2 of a paper strip 3 formed by the three folds 1 (Fig. 1) and thus fixed; the breadth of the paper strip is preferably adopted equal with that of the side of the plate at which it embraces the pile of plates. Thereupon one plate is placed into each of the angles 4 formed by the outer folds 1 and the parts 3, respectively, of the paper strip, and that with the layer side towards the interior, that is to say, next the pile of plates; the extremities 3 of the paper strip are then turned towards the glass sides of the two outer plates and finally the flap 5 of the paper strip is folded over the side of the pile of plates opposite the folds (Fig. 2). The pile of plates is then inserted, with the side covered by the flap 5 first, into the envelope 6 (Fig. 3) which in this case has the form of a rectangular channel open at both ends, which firmly embraces the upper and lower sides as well as the two uncovered longitudinal sides of the pile of plates and which is twice the thickness of the plate-pile longer than the longitudinal sides of the plates. After the open ends of the envelope have been folded, the pack is closed on all sides (see Fig. 4); thus, the plates are not in contact with each other at the layer side and are incapable of changing their position to each other by reason of the fact that by the action of the folds of the paper strip they are resiliently pressed into and closely embraced by the tube-like envelope. The form of the plate-pack illustrated in the figures of the annexed drawings according to the present invention has, by the fact of the layer sides of the plates being only separated at one edge by paper folds, the particular advantage of making at this edge the pack of plates thicker than at the opposite side so that it has a wedge-like shape and can, therefore, be more easily put into the envelope. Several plate packs of the kind above described are generally inserted into one solid plate-box.

Numerous other embodiments of my invention are possible. Thus, for instance, I may use instead of the envelope mentioned above any other wrapper enclosing the plates light-

tightly and fixing the form of the pile of plates. I contemplate as included within my invention all such modifications and equivalents as fall within the scope of the appended claim.

What I claim is:—

A pack consisting of a pile of photographic plates wherein the plates situated in twos with the emulsion side adjacent to each other, are separated by means of short folds of a paper strip wrapping the pile of plates on four sides, the pile thus prepared being inserted into a paper wrapper closely embracing it at the upper and lower sides and at the two sides not yet covered, said wrapper fixing the plates resiliently.

In testimony whereof, I affix my signature.

BERNHARD LIEBESKIND.