

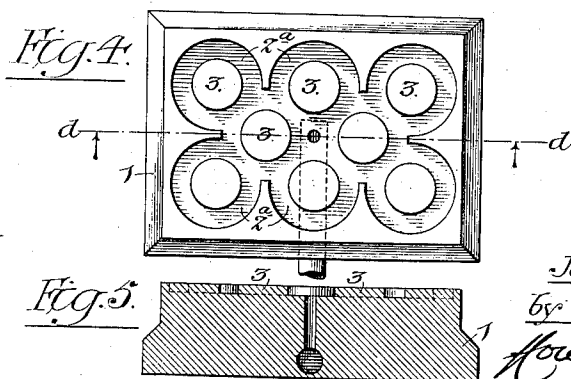
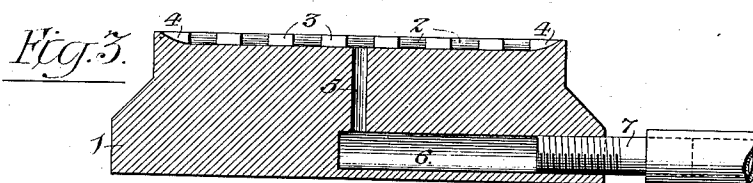
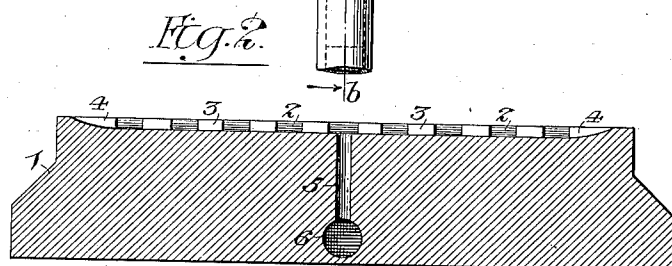
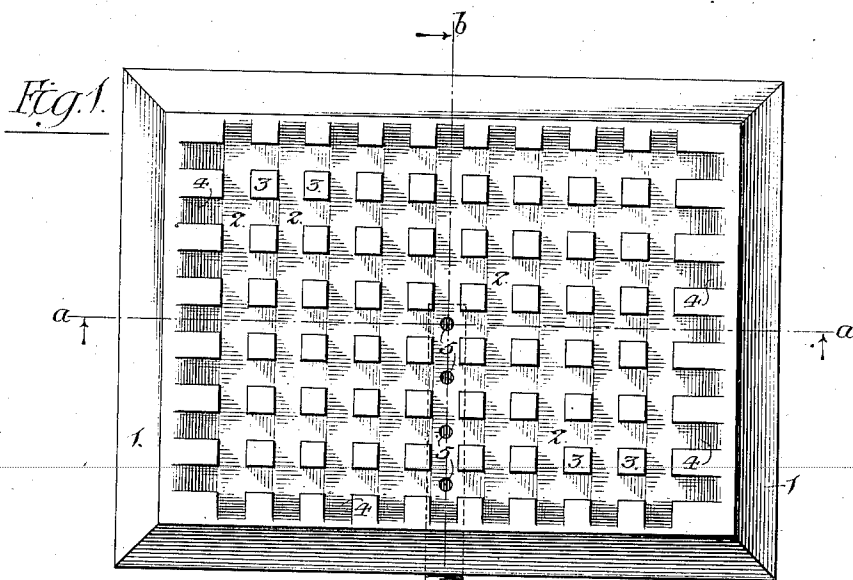
No. 661,840.

Patented Nov. 13, 1900.

J. G. BAKER.
PHOTOGRAPHIC PRINT HOLDER.

(Application filed Dec. 23, 1899.)

(Model.)



Witnesses:-

Louis H. Whitehead.
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UNITED STATES PATENT OFFICE.

JOHN G. BAKER, OF PHILADELPHIA, PENNSYLVANIA.

PHOTOGRAPHIC-PRINT HOLDER.

SPECIFICATION forming part of Letters Patent No. 661,840, dated November 13, 1900.

Application filed December 23, 1899. Serial No. 741,395. (Model.)

To all whom it may concern:

Be it known that I, JOHN G. BAKER, a citizen of the United States, residing in Philadelphia, Pennsylvania, have invented a certain
5 Improvement in Photographic-Print Holders, of which the follownig is a specification.

My invention consists of a certain improvement in the photographic-print holder for which I have obtained Letters Patent No.
10 627,069, dated June 13, 1899, the objects of my present invention being to simplify the construction of the device and to provide within a given size of block a greater area of chamber from which the air can be exhausted
15 and a closer disposition of the supporting-surfaces for the print, so as to insure the firm retention of the print upon the surface of the block without indenting or otherwise injuring said print. These objects I attain in the
20 manner hereinafter set forth, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view of a photographic-print holder or retainer constructed in accordance with my present invention. Fig. 2 is a longitudinal section of the same on the line
25 *a a*, Fig. 1. Fig. 3 is a transverse section on the line *b b*, Fig. 1. Fig. 4 is a plan view of another form of print-retainer embodying my invention, and Fig. 5 is a longitudinal section of the same on the line *d d*, Fig. 4.

The device forming the subject of my before-mentioned patent consists of a block having distributed throughout its area a series of
35 openings which are connected by longitudinal and transverse channels or passages with each other and with a central opening in the lower portion of the block, this latter opening being in communication with an exhaust-pipe,
40 whereby a partial vacuum can be produced in each of the openings extending to the face of the block.

My present invention aims to simplify the construction of the device and to provide a
45 greater area of vacuum-chamber and a closer disposition of the supporting-surfaces for the print, whereby the latter can be held firmly in contact with the face of the block without risk of indenting the same, as when any portion of the print was unsupported throughout
50 a considerable area.

With these objects in view my invention consists in forming in the upper face of the block a series of intersecting grooves extending throughout the greater portion of the area
55 of the block and having disposed throughout its extent a series of projecting supporting posts or blocks on which the print can rest.

In that form of the print-holder shown in Fig. 1 the face of the block 1 has formed in
60 it a series of intersecting longitudinal and transverse kerfs or grooves 2, which may be formed by means of a circular saw or other rotating cutter or in any other convenient way, so as to produce between the grooves
65 the projecting studs or posts 3 and at the same time form inclined channels 4, which extend from the edges of the recess or chamber to the upper surface of the block, as shown in Figs. 2 and 3.

The depression or chamber in the top of
70 the block communicates through one or more vertical openings 5 with a horizontal opening 6, formed in the lower portion of the block and receiving the exhaust-pipe 7, so that when
75 the air is exhausted through this pipe after depositing a print upon the surface of the block 1 a partial vacuum will be formed in the chamber, which extends throughout almost the entire area of the print, and the firm retention
80 of the latter upon the face of the block will be thereby insured, while neither of the grooves is of sufficient width to deprive the print of support throughout such area as would cause indenting of the print by the pressure of air
85 upon it.

Horizontal slipping of the print on the face of the block may be further guarded against by providing said face with a coating of thin rubber, rubber cement, or other elastic material, as in the patented device.

In that form of holder shown in Figs. 4 and 5 the depression or chamber in the face of the block is formed by a series of intersecting or merging annular grooves 2^a instead of
95 by intersecting longitudinal and transverse grooves crossing each other, as shown in Fig. 1, the supporting studs or posts 3 in this case being circular instead of rectangular and the annular recesses being formed by means of
100 a hollow auger or other tool available for the purpose.

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

- 5 1. A photographic-print holder consisting of a block of rigid material having in the face of the same intersecting grooves extending throughout the greater portion of the area of said face and forming throughout its extent upwardly - projecting supporting posts or
10 studs, the block also having an air-exhausting pipe and passages, whereby said air-exhausting pipe is placed in communication with the said intersecting grooves in the face of the block, substantially as specified.
- 15 2. A photographic-print holder consisting of a block of rigid material having in the face of the same intersecting grooves extending

throughout the greater portion of the area of the block and forming throughout its extent upwardly - projecting supporting posts or
20 studs, the block also having inclined channels extending from the edges of said grooves to the face of the block, an air-exhausting pipe and passages whereby said pipe is placed in communication with said chamber or de-
25 pression in the face of the block, substantially as specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN G. BAKER.

Witnesses:

F. E. BECHTOLD,
JOS. H. KLEIN.