

H. M. Hedden.

Photographic Paper.

Nº 98,375.

Patented Dec. 28, 1869.

Fig: 1.

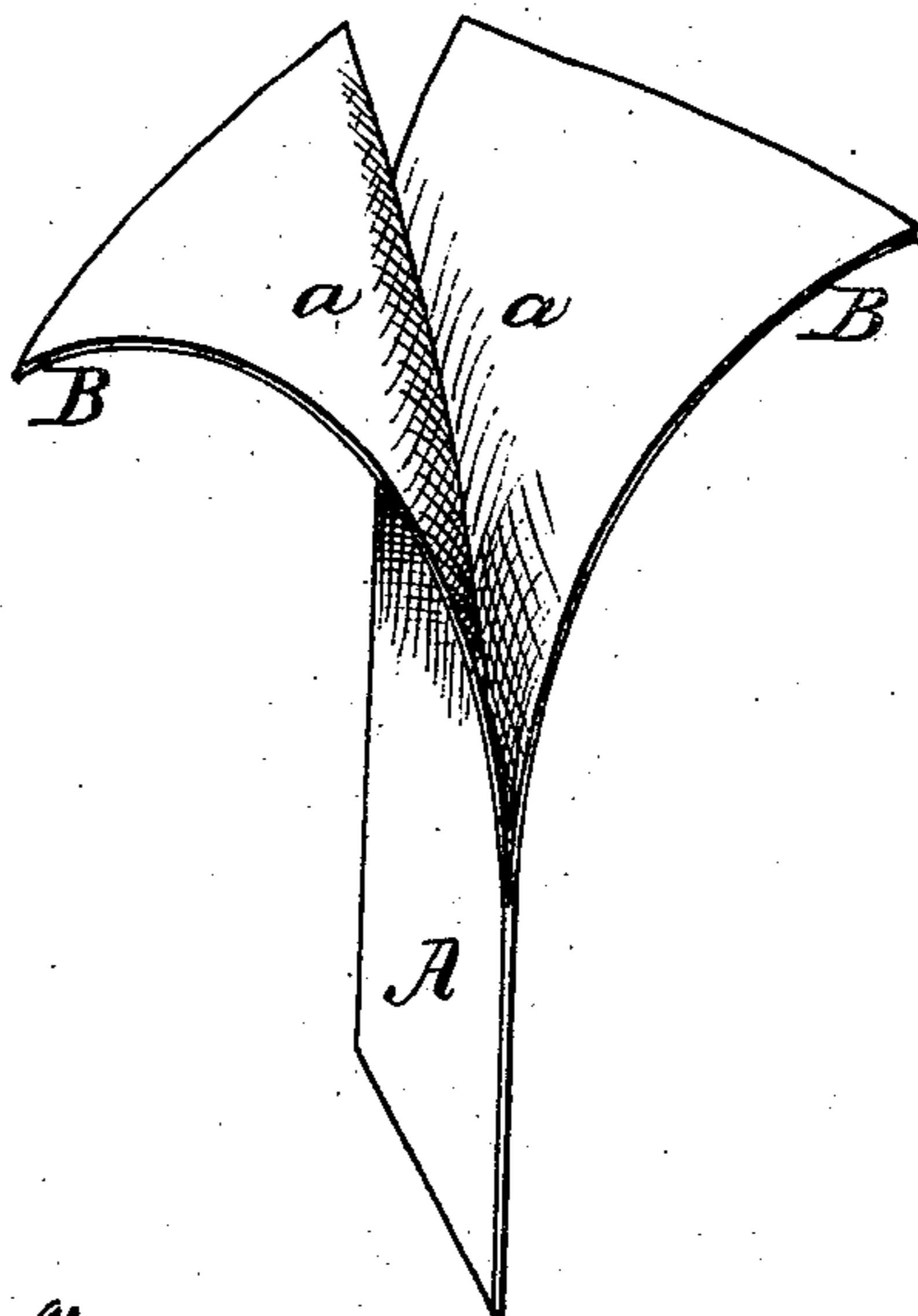


Fig: 2.

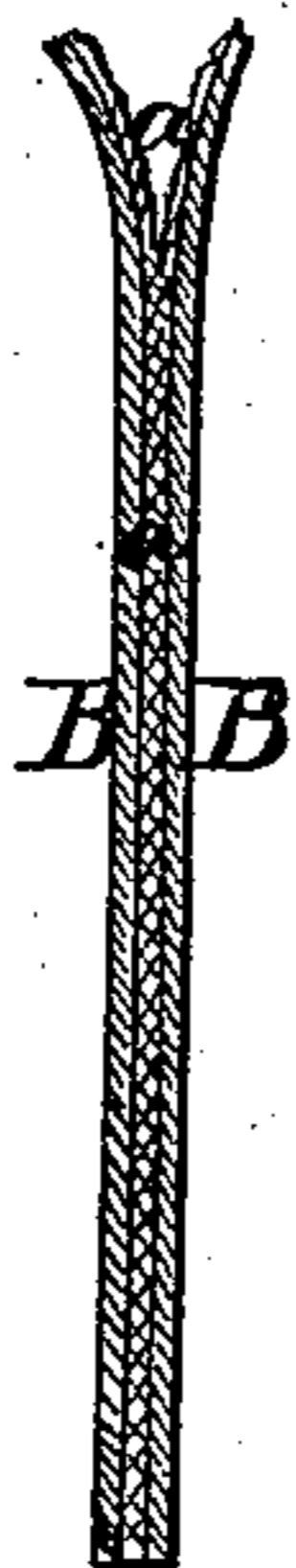
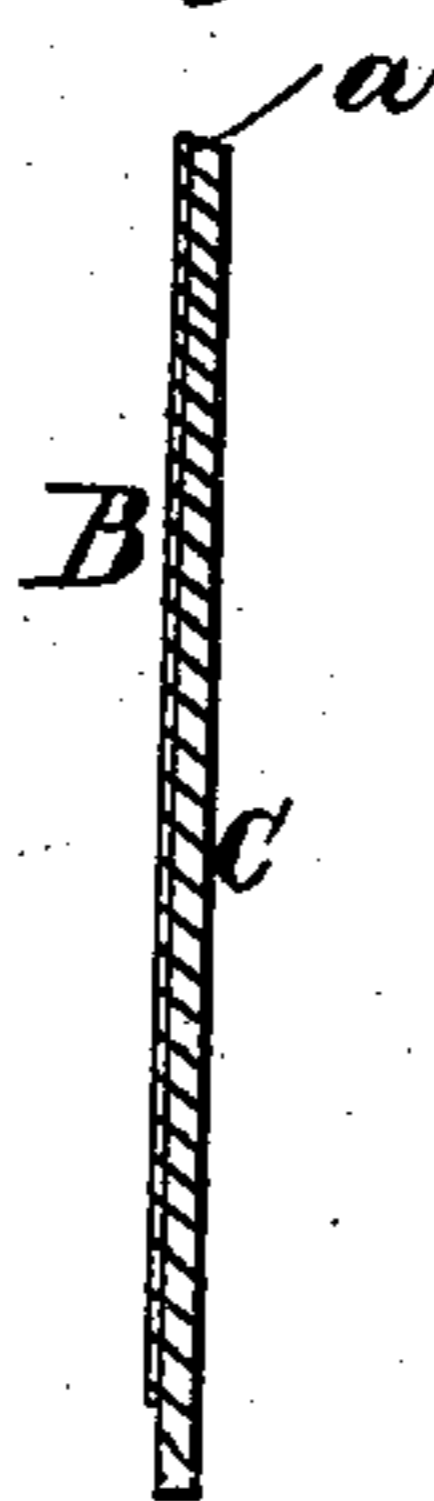


Fig: 3.



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Letters Patent No. 98,375, dated December 28, 1869.

PHOTOGRAPHIC-PAPER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, H. M. HEDDEN, of the city and county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Photograph-Paper; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of a piece of my improved photograph-paper, with the upper part of it separated, to illustrate and show more fully the character of the paper as hereafter explained;

Figure 2 represents, upon an enlarged scale, a section of a piece of my improved photograph-paper, as hereafter explained; and

Figure 3 represents a section of a card, after the picture has been taken on my improved paper, and mounted or pasted upon the card.

To enable those skilled in the art to which my invention belongs, to make and use the same, I will proceed to describe it more in detail.

In the drawings—

A represents a piece or strip of my improved photograph-paper, which is made of two strips B B, of card or Bristol-board, composed of fibres of fine or hard texture.

The two strips or layers B B are united to a central piece of paper, *a*, of a loose pulpy nature.

The paper thus made is prepared on both sides, the same as if pictures were to be taken on both sides, whereby the inner layer *a*, as well as the insides of the strips or layers B B, are fully protected from the action of both water and the chemicals used or employed in the process of taking the pictures.

After the picture has been taken on one side, and preparatory to being mounted upon a supporting-card, the two pieces or layers of paper B B are torn apart or separated, and which operation can be easily effected, since the loose pulpy fibres, compassing the layer of papers *a*, yield quickly when and as soon as the layers B B are drawn apart, as indicated in figs. 1 and 2 of the drawings.

It will be observed, by reference to the drawings, that a part of the loose, fibrous material, composing the central layer *a*, adheres to the inside of each of the layers or strips B B, thus furnishing the proper and desirable surface for receiving the paste or adhesive substance, by means of which the piece of paper or card-board, upon which the picture is taken, is properly secured to the card C.

The pieces or strips of paper or card-board B, which

are separated from those upon which the pictures have been taken, as above described, can then be pasted together and cut up for taking small pictures, similar to those called "tin-types," whereby all, or nearly all the paper-stock can be utilized and saved.

Those skilled in the art to which my invention belongs will readily understand and appreciate the importance and value of my invention.

The pictures taken on my improved paper are those called "positive pictures," and the paper or card-board, as heretofore made and used, has been covered with varnish or some other resisting material on the back, to protect the fibres of the paper from the action of the water and chemicals used during the operation of taking and preparing the picture, and artists find it very difficult to paste the paper thus coated upon a supporting-card, in such a manner as to secure it in such position for any great length of time, in a neat and tasty manner.

Then, again, by the use of my paper, the surface upon which the picture is taken, especially when several pictures are taken upon one sheet of paper, is retained in a very uniform and even manner, owing to the fact that the card-board or paper is comparatively quite thick as used during the process of taking the pictures. This last feature, the thickness of the paper, which would be objectionable, as rendering the picture, when mounted upon the card, thick and clumsy, is entirely obviated by the separation of the paper, as above explained, preparatory to mounting the picture upon the supporting-card.

I am, therefore, able to obtain a more perfect picture, and at a reduced cost and expense, by the use of my improved photograph-paper, while, at the same time, all of the objections incident to the varnishing or coating of the surface of the paper which is to receive the paste by which the picture is secured to the supporting card, are obviated.

Having described my improvements in photograph-paper,

What I claim therein as new and of my invention, and desire to secure by Letters Patent, as an improved article of manufacture, is—

1. A photograph-paper, constructed substantially as and for the purposes set forth.
2. The loose central fibrous layer *a*, in combination with the sides B B, substantially as and for the purposes set forth.

H. M. HEDDEN.

Witnesses:

THOS. H. DODGE,
ALBERT E. PEIRCE.