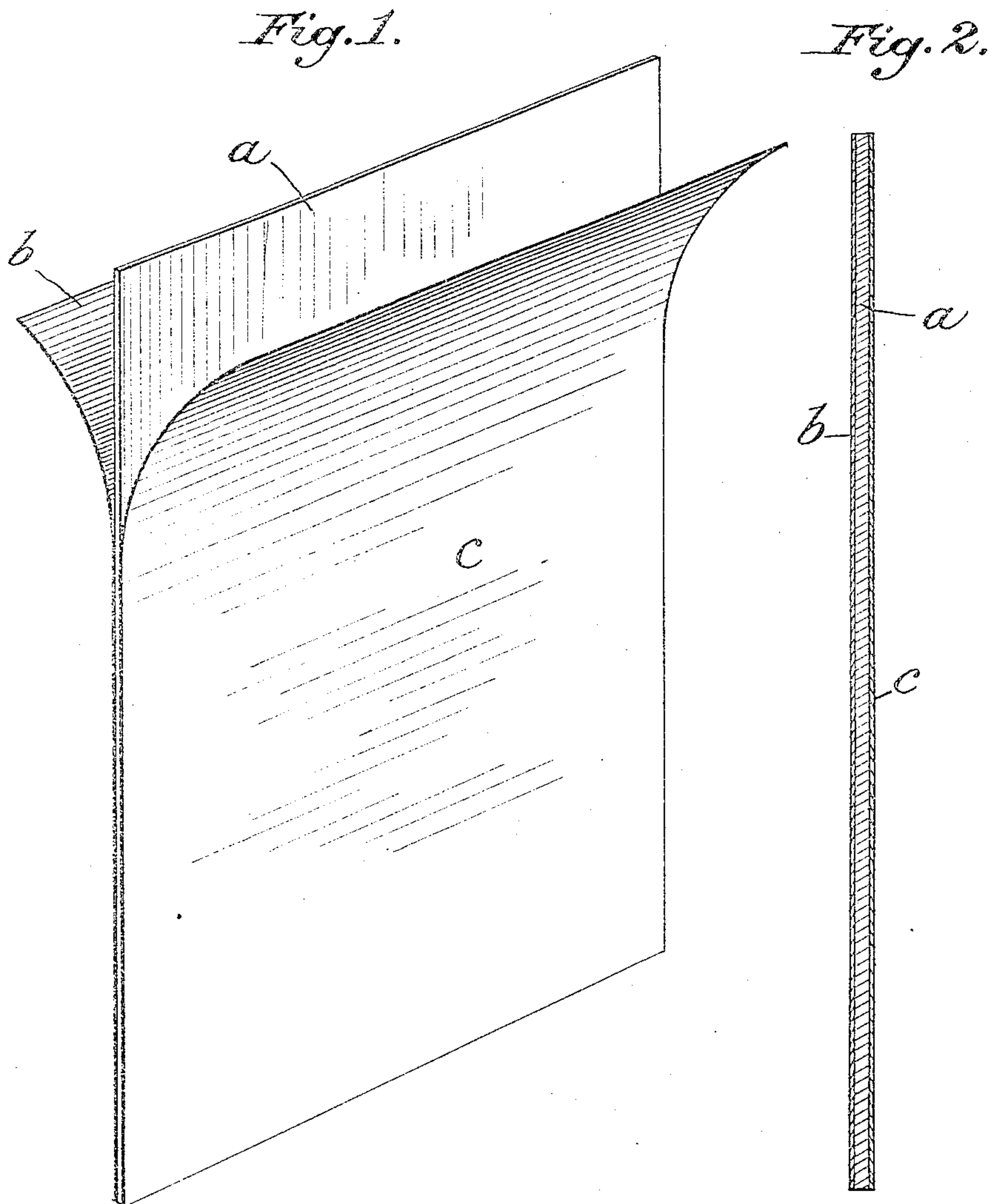


No. 778,740.

PATENTED DEC. 27, 1904.

F. W. G. CHELIUS.
PHOTOGRAPHIC MOUNT AND PROCESS OF MAKING SAME.
APPLICATION FILED JUNE 22, 1904.



WITNESSES:

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FRIEDRICH WILHELM GUSTAV CHELIUS, OF FRANKFORT-ON-THE-MAIN,
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PHOTOGRAPHIC MOUNT AND PROCESS OF MAKING SAME.

SPECIFICATION forming part of Letters Patent No. 778,740, dated December 27, 1904.

Application filed June 22, 1904. Serial No. 213,748.

To all whom it may concern:

Be it known that I, FRIEDRICH WILHELM GUSTAV CHELIUS, a citizen of the United States, residing at Frankfort-on-the-Main, Germany, have invented certain new and useful Improvements in Photographic Mounts and Processes of Making Same; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

The present invention consists of a process for mounting photographs and the like; and its object is to enable the photograph to be mounted just as it comes from the bath in a wet condition without first having to coat the same with an adhesive.

In the accompanying drawings I have illustrated, in Figure 1, a sheet of photographic paper prepared according to my process and having the several layers separated at one end to show their relation; and in Fig. 2, an edge view of a similar sheet.

According to the present invention the face of the photographic paper *a* is provided with the usual light-sensitive surface *b*, while the rear side of the photographic paper is coated with a layer *c*, consisting of gelatin, starch, isinglass, shellac, or the like, which is adhesive when moist. The coating may be applied by means of a brush or rollers in any convenient manner. This layer *c* is difficultly soluble in water and becomes sticky or adhesive when the photograph is wetted or placed in the toning or water bath, without, however, causing the pictures to stick together in the bath and without rubbing off the paper when the picture is treated with a sponge or moved about in the bath, even when the paper is left in the bath for a considerable time. Thus when the picture is taken out of the bath the rear side of it is evenly coated with adhesive, and it may be mounted at once, when it will adhere to the cardboard or other mounting evenly at all points.

By the term "difficultly soluble" as used in the specification and claims is meant a coat-

ing which is not readily soluble to a degree which will render the same liable to be removed from the paper by the steps of developing, toning, fixing, or washing.

Photographic paper may be introduced into commerce prepared in the above manner ready for use.

The present process offers the advantage that the photograph need not be first dried and then coated with the adhesive, but may be immediately mounted when taken out of the bath and in a wet condition, which is particularly advantageous for amateur photographers.

The adhesive coating at the back has, furthermore, a tendency to counteract the curling tendency of the sensitive film at the front, as is the case with the known paper when provided at the back with traganth and similar substances.

In order to prevent the gelatin layer from being mistaken for the sensitive coating, the former may be lightly tinted.

I claim as my invention—

1. A process for mounting photographs and the like, which consists in applying to the reverse side of the sensitive paper a coating difficultly soluble in water which becomes adhesive when moist, exposing the paper to the printing action, wetting the paper, and applying while moist to a suitable mount.

2. A process for mounting photographs and the like, which consists in applying to the reverse side of the sensitive paper a tinted coating difficultly soluble in water which becomes adhesive when moist, exposing the paper to the printing action, wetting the paper, and applying while moist to a suitable mount.

3. A process for mounting photographs and the like, which consists in applying to the reverse side of the sensitive paper a tinted coating of difficultly-soluble gelatin which becomes adhesive when moist, exposing the paper to the printing action, wetting the paper, and applying while moist to a suitable mount.

4. An article of manufacture comprising paper having a light-sensitive coating on one

side and a difficultly-soluble coating on the reverse side which becomes adhesive when moistened.

5 5. An article of manufacture comprising paper having a light-sensitive coating on one side and a tinted difficultly-soluble coating on the reverse side which becomes adhesive when moistened.

10 6. An article of manufacture comprising paper having a light-sensitive coating on one

side and a tinted coating of difficultly-soluble gelatin on the reverse side, said coating arranged to become adhesive when moistened.

In testimony whereof I affix my signature to this specification in the presence of two witnesses. 15

FRIEDRICH WILHELM GUSTAV CHELIUS.

Witnesses:

FRITZ HAGER,

WILHELM BLUMSTEIN.