

J. G. ROWLAND.
Copying-Pads.

No. 149,158.

Patented March 31, 1874.

Fig. 1.

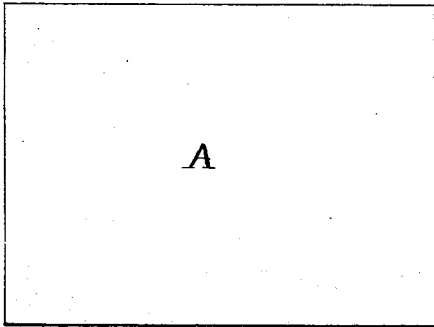


Fig. 3.

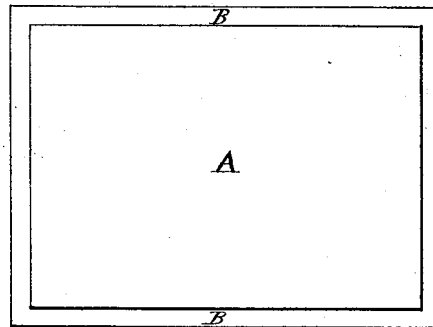


Fig. 2.

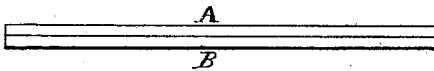


Fig. 4.

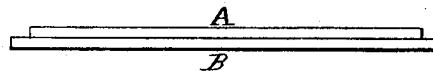


Fig. 5.

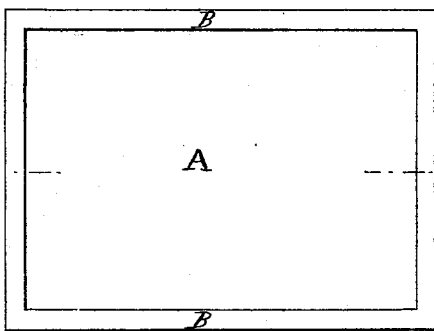


Fig. 7.

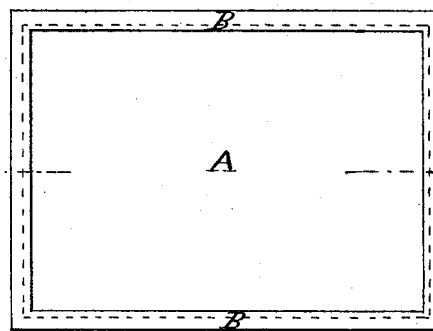


Fig. 6.

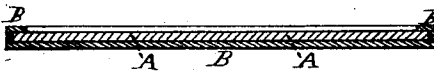
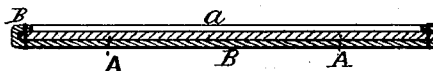


Fig. 8.



Witnesses.
H. Schiller.
D. P. Cowl

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by his atty.
Cox & Cox.

UNITED STATES PATENT OFFICE.

JOSEPH G. ROWLAND, OF QUINCY, ILLINOIS.

IMPROVEMENT IN COPYING-PADS.

Specification forming part of Letters Patent No. **149,158**, dated March 31, 1874; application filed March 20, 1874.

To all whom it may concern:

Be it known that I, JOSEPH G. ROWLAND, of Quincy, Illinois, have invented certain new and useful Improvements in Copying-Pads, of which the following is a description, reference being had to the accompanying drawings.

The invention relates to a copying-pad, and consists in providing a sheet of blotting-paper, felt, or other bibulous or absorbent material, with a backing of rubber, oiled silk, or other non-absorbent material, so that the leaf of a book placed upon the absorbent surface will be dampened, while that opposite the non-absorbent surface will remain dry.

The object of the invention is to afford a convenient device for copying letters.

Figures 1 and 2 are plan sectional views of a device embodying the elements of the invention when the sheets A and B are of the same size. Figs. 3 and 4 are similar views of a like device, wherein the non-absorbent sheet B is larger than the absorbent sheet A. Figs. 5 and 6 are similar views of a like device, wherein the edges of the non-absorbent sheet B overlap the edges of the absorbent sheet A. Figs. 6 and 7 are similar views of a like device, wherein the overlapping edges of the sheet B are connected by the cloth or textile material *a*.

In the accompanying drawings, A represents a sheet of bibulous or absorbent material of proper size, to one side of which is attached, in any suitable manner, the sheet B of non-absorbent material, and of similar size.

The invention may be embraced in various forms. Thus the sheet B may be made longer than the sheet A, and its edges lapped over the edges of the absorbent material, leaving a suitable space of bibulous surface exposed; or the construction last above specified may

be employed, and the edges of the sheet B connected by cloth or other textile material *a* of such a character that water can permeate it, covering the surface of the sheet A exposed between the lapped edges of the sheet B. If the absorbent material is easily disintegrated, the last-specified form of construction may be found preferable. It is also obvious that by treating one surface of the absorbent sheet chemically or otherwise, so as to render it non-absorbent, while the other side of the sheet retains its absorbent nature, will enable the purposes of the invention to be effected by the single sheet.

The sheet A is properly dampened, and the device laid in the copying-book; the leaf or leaves upon which the copy is to be taken are then laid over the absorbent sheet, and the manuscript, written in copying-ink, is then placed upon the leaf, with the written surface toward the sheet A; the book is then closed, and pressure applied to it, thus accomplishing the copying, the water in the sheet A dampening the leaf, and thus assisting in the result, while the opposite leaf is pressed dry, being in contact with the non-absorbent sheet B.

What I claim as my invention, and desire to secure by Letters Patent, is—

A copying-pad one side of which is composed of absorbent and the other of non-absorbent material.

In testimony that I claim the foregoing improvements in dampening-pads, as above described, I have hereunto set my hand and seal.

JOSEPH G. ROWLAND. [L. S.]

Witnesses:

U. S. PENFIELD,
GEO. S. JASPER.