

(Model.)

W. G. MORSE.

COPYING PAD.

No. 250,380.

Patented Dec. 6, 1881.

Fig. 1

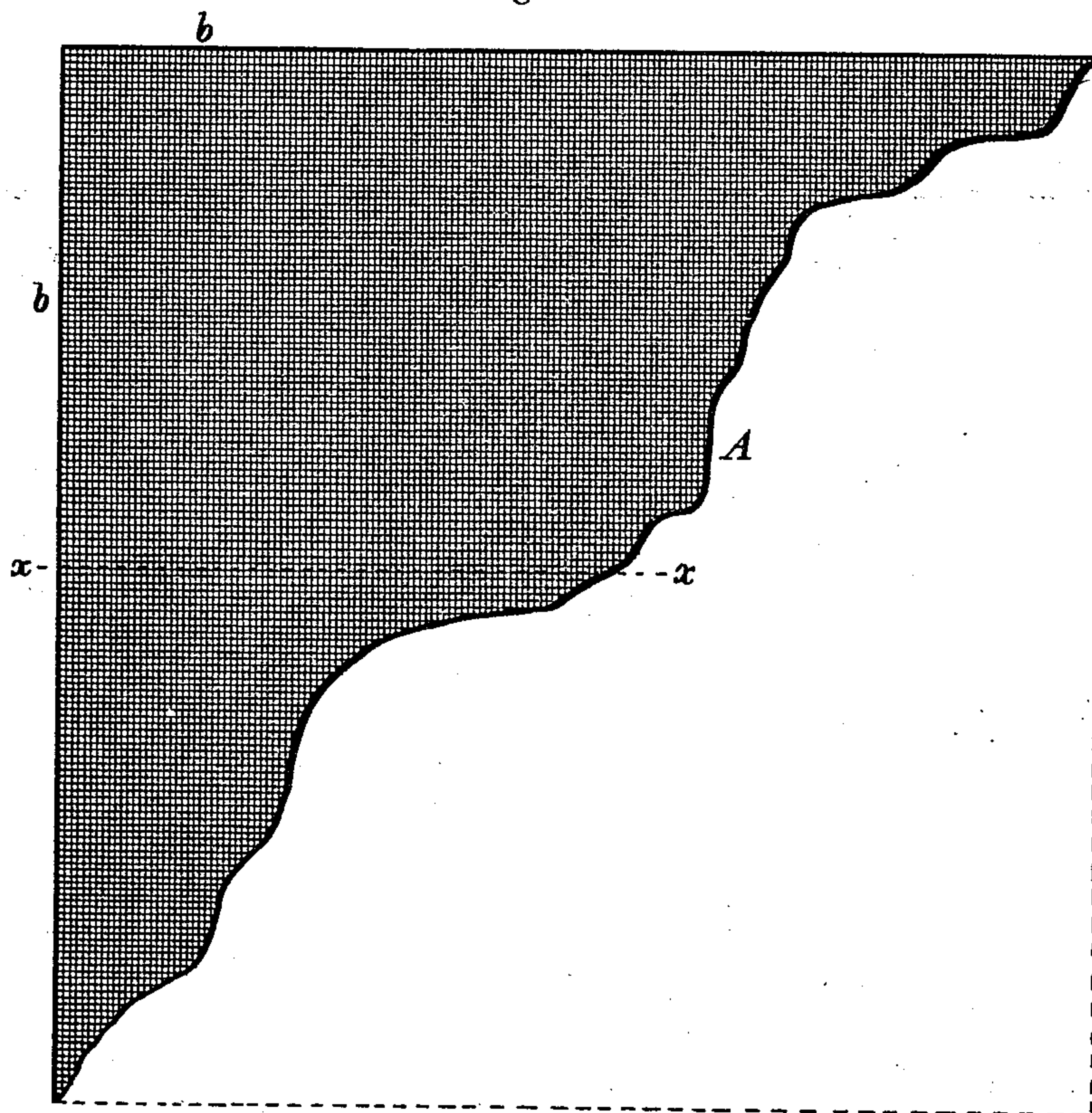
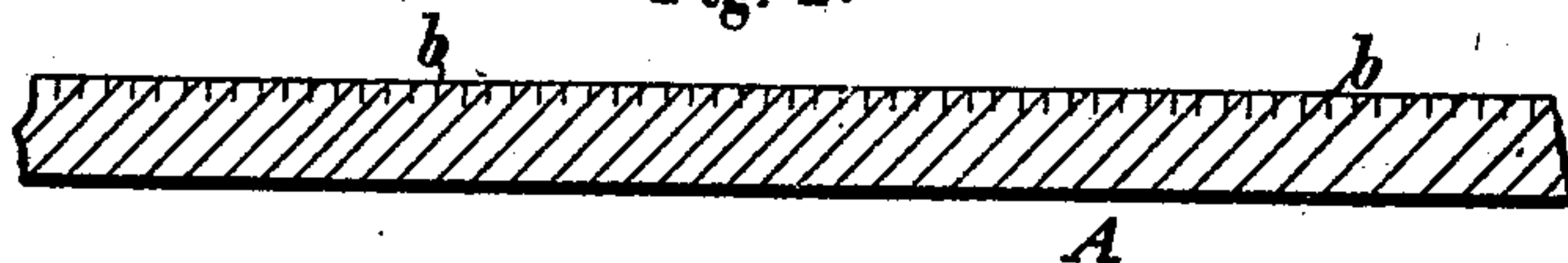


Fig. 2.



WITNESSES-

H. G. Phillips.  
H. H. Schleber.

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Waldo G. Morse

# UNITED STATES PATENT OFFICE.

WALDO G. MORSE, OF ROCHESTER, NEW YORK, ASSIGNOR OF ONE-HALF  
TO WILLIAM S. OLIVER, OF SAME PLACE.

## COPYING-PAD.

SPECIFICATION forming part of Letters Patent No. 250,380, dated December 6, 1881.

Application filed September 15, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, WALDO G. MORSE, of Rochester, Monroe county, New York, have invented an Improved Copying-Pad, of which  
5 the following is a specification, reference being had to the annexed drawings.

My invention relates to an improved copying-pad; and it consists in an improved copying-pad formed of a sheet of rubber or other  
10 suitable material, having its entire surface covered with shallow cuts or divisions located close together for the purpose of receiving the moisture and ink.

My improved copying-pad is represented in the accompanying drawings, in which Figure  
15 1 is a plan view; and Fig. 2 is a transverse section on the line *x x*, Fig. 1.

In making my improved copying-pad I take a smooth sheet of rubber or other suitable elastic material of the proper thickness, and of a  
20 size corresponding with that of the writing to be copied, and by means of a knife fastened in an engraver's ruling-machine or other suitable mechanical arrangement I make a series of  
25 parallel shallow cuts or divisions close together all over the surface of the rubber. These cuts are represented in the drawings by the lines *b b*.

More than one series of parallel cuts may be used, crossing each other at right angles, as  
30 shown in the drawings, or at any other angles. The cuts are preferably made as close together as possible, and they may be from one thirty-second to one-sixteenth of an inch in depth. The rubber should be thicker than the depth  
35 of the cuts.

The pad of rubber or other suitable material, cut as described above, may be used separately, or it may be fastened or secured to a board or plate.

Before taking an impression from the manuscript to be copied the surface of the pad should  
40 be thoroughly moistened with water. After the surplus moisture is removed the manuscript should be laid thereon and gently but firmly rolled or pressed to the surface of the pad. The  
45 manuscript should then be removed, and the paper on which the copy is to be made should then be laid and moderately rolled or pressed to the surface of the pad. The first copy is thus  
50 made, and the process may be repeated until a sufficient number of copies shall be made, or until the ink on the pad shall be exhausted. The surface of the pad should then be washed  
55 with a sponge and water and left slightly moist, when the process may be repeated with the same or other manuscript.

I prefer to use an aniline ink, with which it will be found that a large number of copies may be made with my improved pad.

I claim—

The herein-described copying-pad, consisting  
60 of a sheet of suitable material having a finely-cut surface, substantially as and for the purposes set forth.

WALDO G. MORSE.

Witnesses:

GEO. B. SELDEN,  
H. G. PHILLIPS.