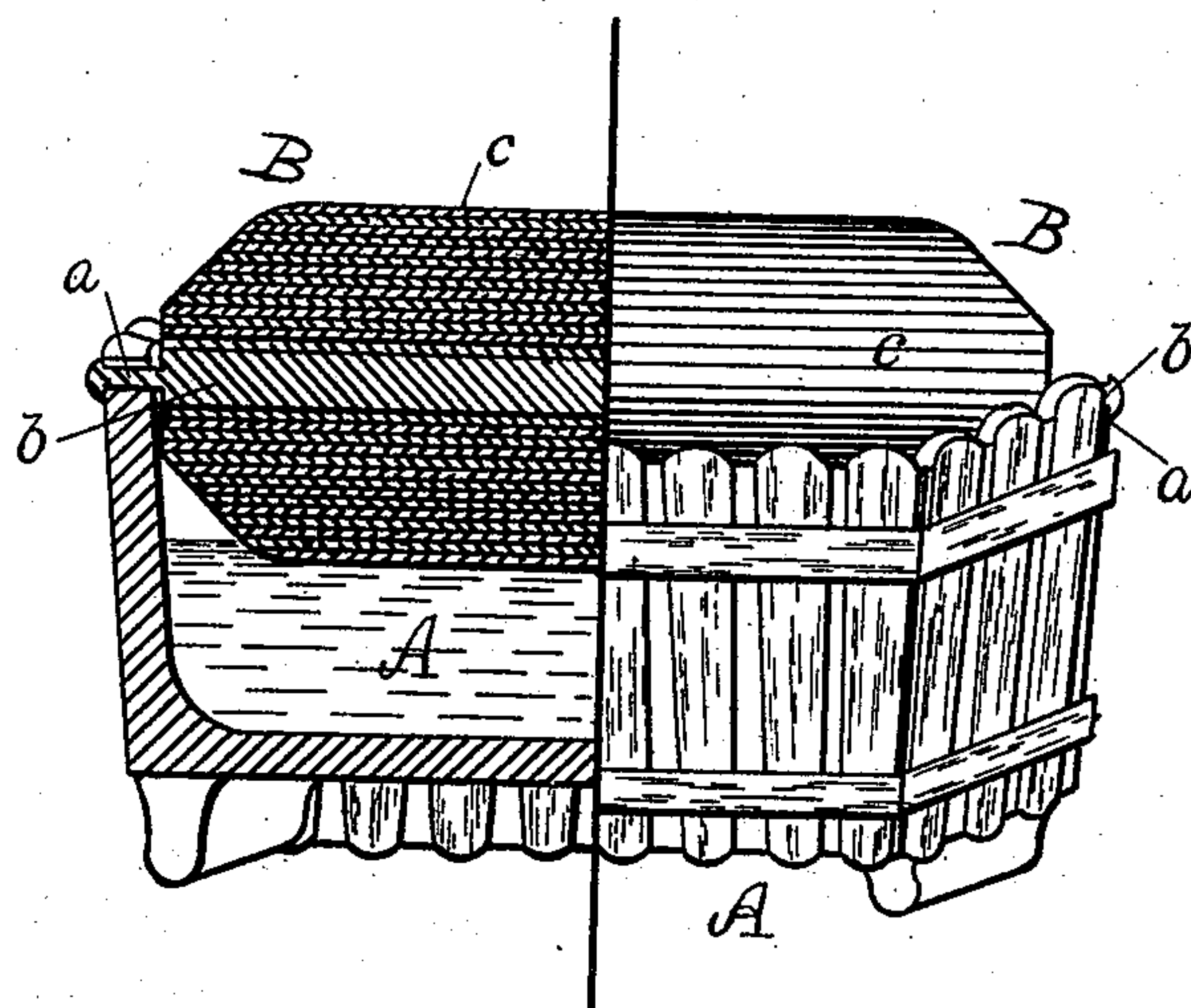


(No Model.)

D. A. ALDEN.
MOISTENING ROLLER.

No. 321,075.

Patented June 30, 1885.



Witnesses.
H. C. Lodge.
A. F. Hayden.

Inventor.
David A. Alden.
J. Curtis, Atty.

UNITED STATES PATENT OFFICE.

DAVID ALONZO ALDEN, OF MALDEN, ASSIGNOR OF ONE-HALF TO COTTON
& GOULD, OF BOSTON, MASSACHUSETTS.

MOISTENING-ROLLER.

SPECIFICATION forming part of Letters Patent No. 321,075, dated June 30, 1885.

Application filed November 24, 1884. (No model.)

To all whom it may concern:

Be it known that I, DAVID ALONZO ALDEN, a citizen of the United States, residing at Malden, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Moistening-Rollers, 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, reference being had to the accompanying drawing, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to "moisteners," so called, now generally employed as a ready means of supplying moisture to stamps, envelopes, &c., when used in large number, or in slightly dampening the finger when the individual is occupied in counting bills or sheets of paper, or the like, and certainty is required in the operation; and it consists, essentially, in a roll composed of any ready-absorbent material—such as loosely-woven woolen or cotton fabric, felt, or other analogous substances—and mounted upon and revolving within a liquid-holding reservoir or receptacle of any suitable construction.

The drawing accompanying this specification represents a sectional elevation of a moistening-roller embodying my invention, in which A represents the reservoir or receptacle for holding water, and in the present instance is composed of glass or any other suitable substance of any desired shape or form; while mounted in suitable journals, *a a*, formed in the upper surface of the rim, is a revolving roll, B. This roll B consists of absorbent

material wound in numerous layers on a spindle or shaft, *b*, the first three or four layers being of equal width and the remaining layers regularly decreasing in width outwardly, thus giving each end of the roll the shape of a truncated cone. The receding outline of these ends prevents them from coming in contact with the sides of the reservoir A, as might otherwise happen in case of a slight flexure of the slender shaft *b*. The roll is sufficiently thick to dip into the liquid within the reservoir, which it imbibes, and may be readily turned to moisten the fingers in counting bills or for any other purpose.

I am aware that it is not broadly new to provide a receptacle for liquid with a roller which turns therein, nor to give such a roller substantially the shape of mine, nor to make a rotary blotter of a sheet of absorbent material wound in successive layers on a core and provided with pasted tearing-strips. I do not claim any of these construction, broadly; but

What I do claim is—

In combination with the liquid-receptacle A, having bearings *a* in its edges, the slender shaft or spindle *b*, journaled in said bearings, and the continuous sheet *c*, of absorbent material, which is wound in successive layers on said shaft or spindle, forming a roll which turns in the liquid at its under side in order that it may be used as a moistening-roller, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

DAVID ALONZO ALDEN.

Witnesses:

H. E. LODGE,

A. F. HAYDEN.