(No Model.)

O. K. TRUITT.

REGULATING DEVICE FOR MOISTENING LEAVES OF PRESS COPY BOOKS.

No. 516,953. Patented Mar. 20, 1894.

Fig. 1.

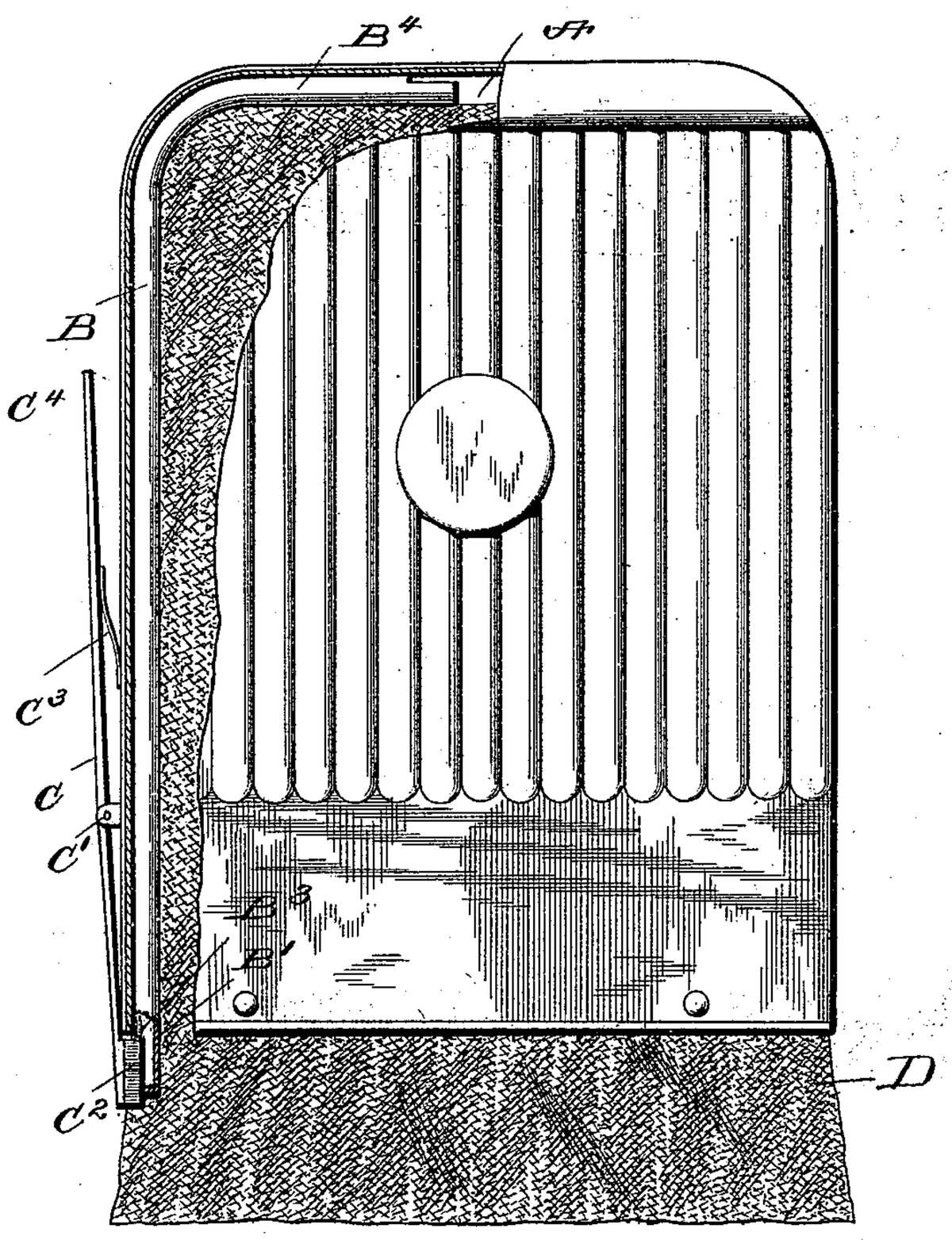
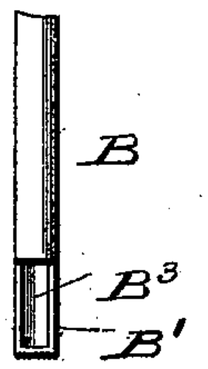


Fig. 2.



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OWEN K. TRUITT, OF WASHINGTON, DISTRICT OF COLUMBIA.

REGULATING DEVICE FOR MOISTENING LEAVES OF PRESS-COPY BOOKS.

SPECIFICATION forming part of Letters Patent No. 516,953, dated March 20, 1894.

Application filed November 19, 1892. Serial No. 452,557. (No model.)

To all whom it may concern:

Be it known that I, OWEN K. TRUITT, a citizen of the United States, residing at Washington, in the District of Columbia, have invented a certain new, useful, and valuable Improvement in Water-Regulators Used in Connection with Devices for Moistening Leaves of Press-Copy Books, of which the following is a full, clear, and exact description.

My invention relates to improvements in devices for moistening the leaves of press-copy books, and the particular object of my invention is to provide a most practical and economical arrangement whereby the flow of water to the wick, or the degree of saturation of the wick, can be perfectly and conveniently regulated.

I will proceed to explain my invention more fully in connection with the annexed drawings, in which—

Figure 1 is a front view of a moistening device with my improvement added thereto. Fig. 2 is a side view of the same.

Before proceeding further to describe my invention I would explain that a great objection to devices for moistening the leaves of letter press-books has been that on account of a vacuum forming at the top of the reservoir, upon expending a part of the water in using the brush, this vacuum prevents a further flow of the water into the wick, and prevents it from sufficiently moistening the leaves, and this serious objection occurs especially when the brush is used for any considerable time continuously. It will be seen that my invention obviates this great objection.

Within the reservoir A I arrange a pneumatic tube B, the end B′ projecting slightly beyond the edge of the reservoir and said end having an opening B^3 therein. The inner end B^4 of the tube is carried to the top of the reservoir for the purpose to be hereinafter explained.

The lever C, pivoted at C′, as shown, is provided with a piece of rubber C^2 which is normally kept pressed against the opening B^3 by the action of the spring C^3 and effectually closes said opening, but a slight pressure upon the end C^4 of the lever causes the rubber C^2 to recede from the opening. The purpose of the valve thus formed is to admit air, at will, into the tube B which conducts it to the top of the reservoir and breaks any partly formed vacuum created when the wick D is held downward or when the device is in actual use, said wick being securely held between the sides of the reservoir.

This invention is not only applicable to the form of moistening device patented by me November 1, 1892, No. 485,592, but may be applied also to any similarly constructed devices.

Having now described my invention, what I claim is—

1. In a moistening device of the character described, the combination, with a reservoir having one of its ends open, and a wick within the reservoir projecting through the open end, of a tube arranged within the reservoir and having one end terminating over the wick and the other end projecting below the reservoir and provided with an orifice, and mechanism for opening or closing said orifice.

2. In a moistening device of the character described, the combination, with a reservoir having one of its ends open and a wick within the reservoir projecting through the open end, of a tube within the reservoir having one end terminating over the wick and the other end projecting below the reservoir and provided with an orifice, and a spring pressed lever pivoted to the reservoir and carrying a plug or the like for closing the said orifice.

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

OWEN K. TRUITT.

Witnesses:
S. DURYEE,
J. F. KELLY.