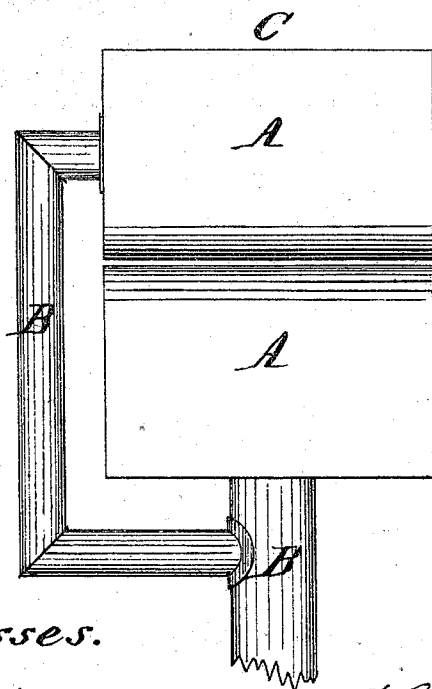
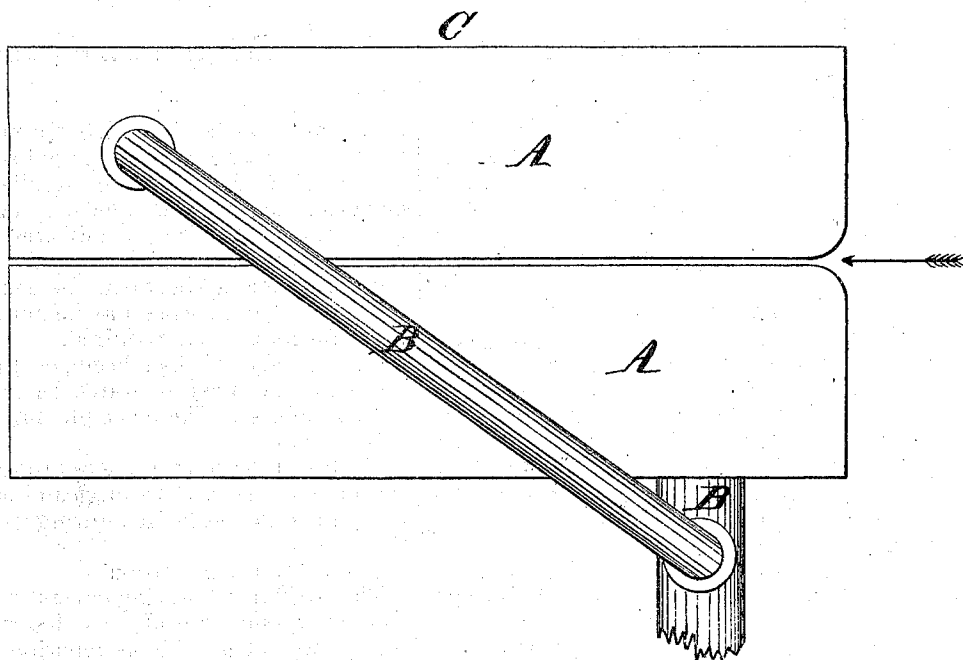


Hezekiah Dodge,
Imp^r in Steam Dryers for paper &c.

No. 120,810.

Patented Nov. 14, 1871.



Witnesses.

V. Colvin.
Geo. D. Hill.

Inventor.

Hezekiah Dodge.

UNITED STATES PATENT OFFICE.

HEZEKIAH DODGE, OF ALBANY, NEW YORK.

IMPROVEMENT IN APPARATUS FOR DRYING AND FINISHING PAPER.

Specification forming part of Letters Patent No. 120,810, dated November 14, 1871; antedated October 26, 1871.

To all whom it may concern:

Be it known that I, HEZEKIAH DODGE, of Albany, in the county of Albany and State of New York, have invented an Improvement in Machines for Drying and Finishing Paper or other material, of which the following is a specification:

My invention relates to the drying of strips or pieces of paper, cloth, or other material by passing them between flat stationary heated surfaces, (the upper and under surfaces of metallic chests or boxes, hereafter shown,) the strip or piece being drawn through and between them under a proper degree of pressure; the material being drawn through by means of and between two bands of endless tape or felt, or otherwise, and the drying-chests heated by steam.

In the accompanying drawing, Figure 1 is a side view of such machine, Fig. 2 an end view of the same.

A and A are the metallic drying-chests, having smooth horizontal surfaces, between which the material to be dried or finished is carried or drawn under greater or less pressure, according to the finish desired. B in the drawing repre-

sents the steam-supply pipe, through which the metallic drying-chests are supplied with steam and heated. The steam is supplied at the side or bottom or elsewhere, as may be found most convenient. The arrow indicates the direction in which the material is supplied to the driers and the opening between the surfaces. More driers or drying-chests may be added above any pair of driers, when required, and the hitherto unused surface C then becomes the under surface of a new drier, operated in the same manner as the first. The principle may be increased *ad infinitum*.

In this invention the driers are stationary, and the material is drawn through and between them, being pressed and heated during its passage, and thus dried.

I claim as my invention—

The stationary drying-chests A A or other equivalent, substantially as described, and for the purposes hereinbefore mentioned.

HEZEKIAH DODGE.

Witnesses:

V. COLVIN,
GEO. D. HILL.

(108)