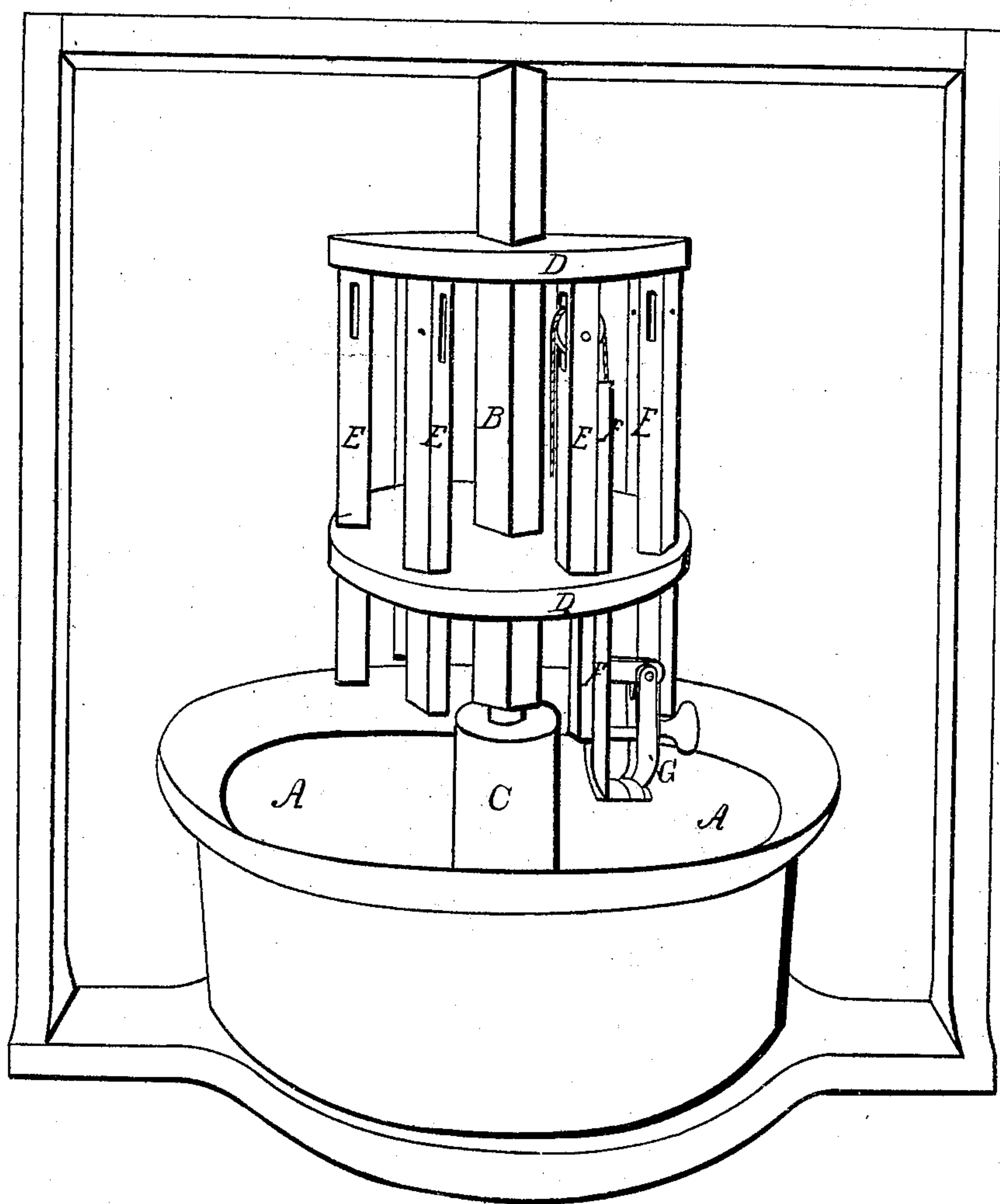


W. Wilson & C. Dickerman.
Sizing Paper.
N^o 1,276. Patented Aug. 3, 1839.



UNITED STATES PATENT OFFICE.

WM. W. WILSON AND CHARLES DICKERMAN, OF WESTFIELD, MASSACHUSETTS.

MODE OF SIZING PAPER.

Specification of Letters Patent No. 1,276, dated August 3, 1839.

To all whom it may concern:

We it known that we, WILLIAM W. WILSON and CHARLES DICKERMAN, of Westfield, in the county of Hampden and State of Massachusetts, have invented a new and useful Improvement in Machines for Sizing Paper, which we denominate a "Rotary Sizing Machine;" and we do hereby declare that the following is a full and exact description thereof.

In the accompanying drawing, A, A, is the vat within which the sizing liquor is to be contained, which liquor is to be prepared and managed in the ordinary way. From the center of this vat is to rise a vertical shaft B, which may rest on a step on the bottom of the vat, or on a standard C, attached to the bottom, and rising above the sizing liquor. The upper end of this shaft has a gudgeon which revolves in a suitable bearing.

D, D, are two circular disks, attached to the shaft, and having uprights E, E, E, extending from one to the other near their peripheries, which uprights are fastened to the disks. Against each of these uprights there is a sliding piece F, to which the upright serves as a guide, as it slides up and down in a mortise in the lower disk. From the upper ends of these slides a cord passes over a pulley in the upright, and sustains

a weight which acts as a counterpoise to the slide and its load, as shown in the drawing. At the lower ends of each of these slides there is a clamp G, for holding the paper to be sized; this clamp may be opened and closed by means of a screw, or by any analogous device.

In using this apparatus it will be seen that the workman employed in sizing the paper may dip all the respective portions successively without moving from his station, by merely causing the shaft and its appendages to revolve, in consequence of which arrangement a much larger quantity of work may be performed than by the ordinary apparatus.

We do not claim to be the first who have used slides and clamps, such as we have described, for the purpose of sizing paper; but

What we do claim as our invention, and desire to secure by Letters Patent, is—

The placing of such slides in such a manner as that they may be carried around by a revolving shaft, in an apparatus constructed substantially in the manner, and for the purpose, herein set forth.

WILLIAM W. WILSON.
CHARLES DICKERMAN.

Witnesses:

SAML. P. WOOLHOUTT,
WILLIAM BLAIR.