

J. BROUGHTON.
FLUTING-MACHINE.

No. 171,718.

Patented Jan. 4, 1876.

Fig. 1.

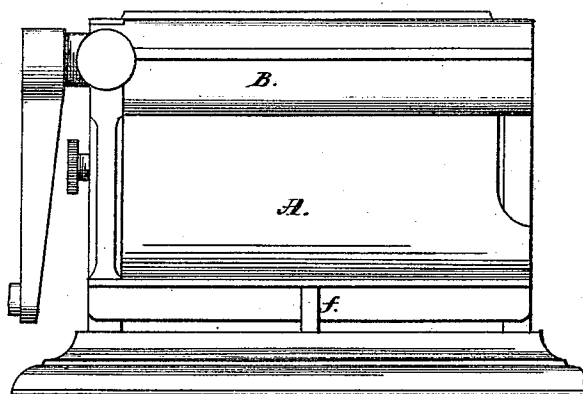


Fig. 2.

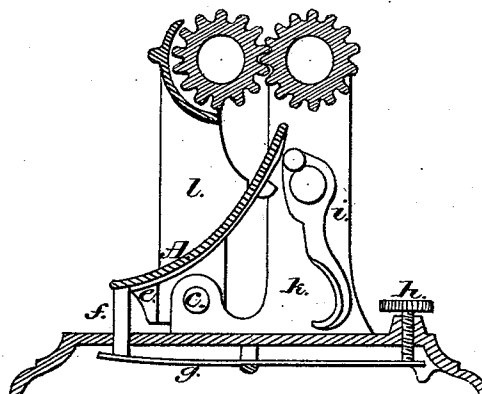


Fig. 4.

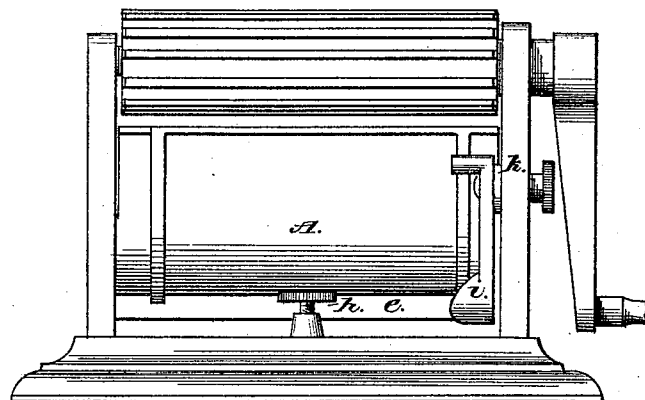


Fig. 5.

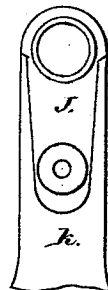


Fig. 7.

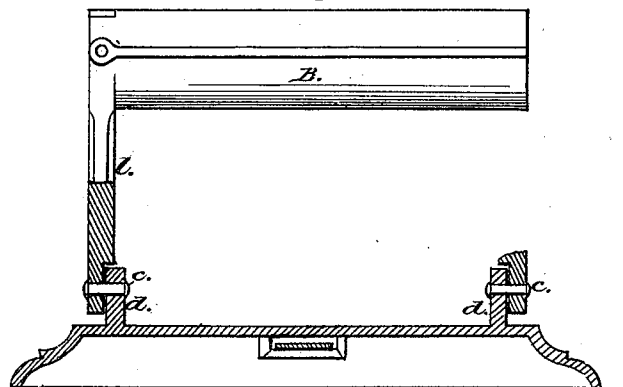
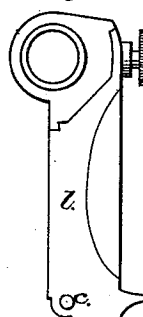


Fig. 8.



Fig. 9.



Inventor:

Witnesses:

W. M. Gooding.
B. H. Crawford.

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UNITED STATES PATENT OFFICE

JOHN BROUGHTON, OF BROOKLYN, NEW YORK, ASSIGNOR TO ARTHUR H. LOWERRE AND THEODORE M. TUCKER, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN FLUTING-MACHINES.

Specification forming part of Letters Patent No. 171,718, dated January 4, 1876; application filed April 27, 1875.

To all whom it may concern:

Be it known that I, JOHN BROUGHTON, of the city of Brooklyn, State of New York, have invented certain Improvements in Fluting-Machines, of which the following is a specification:

The improvements relate, principally, to the construction, arrangement, and combination of parts of a fluting-machine, the object being to simplify and cheapen its construction. This object I attain by placing the axle of the rolls horizontally in a plane parallel with the base or table of the machine, by which I am enabled to dispense with all devices for operating the press-roll from above, and can therefore pivot the carrying-arm with its bearings for the roller to the base of the machine. I introduce a deflector, which prevents the fabric from coming in contact with the base of the machine, and which is connected with the pivoted support of the press-roll, or which can be made an integral part of the base of the machine.

In the accompanying drawings, Figure 1 is the front of the machine, with the deflector connected with the pivoted arm. Fig. 2 is an end section at the dotted line in Fig. 1. Fig. 4 is a back view of the machine. Fig. 5 is an end view, showing the detachable bearing for inserting or removing the roll from the stationary post at the handle end of the machine. Fig. 7 is the pivoted side arm for carrying the press-roll, shown without the deflector connected thereto. Fig. 9 is an end view of the side arm with the detachable bearing for the press-roller fast thereto, and Fig. 8 is an end view of the detachable bearing.

The deflector is shown attached to the ma-

chine in the front view, Fig. 1, and in the end section, Fig. 2. A is the deflector; B, the side arm; c, the pivots; d, the studs on the base of the machine, and e the lower bar of the side arm. A stud, f, attached to the lower bar e of the side arm B receives pressure on its lower end from the spring g in the interior of the base-plate, the tension being adjusted by the thumb-screw h. For separating the rolls to introduce the fabric, or for other purposes, a lever, i, the fulcrum of which is on the head end of the screw that confines the detachable bearing j to the stationary post k, impinges against an inclined bar attached to the vibratory post l of the side arm B, when the deflector A is dispensed with, or to the deflector, when one is attached to the side arm B.

What I claim as my improvement is—

1. The side arm B, studs d, pivots c, and lower bar e, constructed and arranged substantially as described, and combined with the base-plate of a fluting-machine, as and for the purpose specified and shown.

2. The stud f, spring g, thumb-screw h, lever i, in combination with a fluting-machine having the axes of the rolls horizontal and in a plane parallel with the base-plate of the machine, as and for the purpose set forth.

3. The deflector A, either detachable or forming part of the base of the machine, in combination with a fluting-machine having the axes of its rolls horizontal and in a plane parallel with the base of the fluting-machine.

JOHN BROUGHTON.

Witnesses:

W. M. GOODING,
D. H. CRAWFORD.