

J. F. HAYEN.

Improvement in Fluting Machines

No. 122,607.

Patented Jan. 9, 1872.

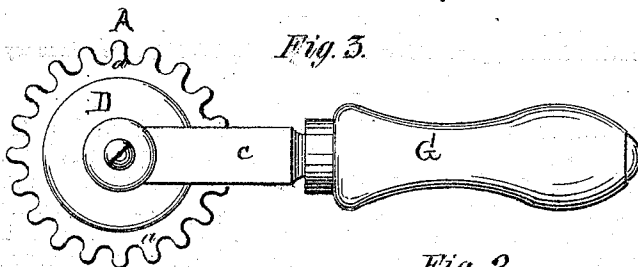


Fig. 3.

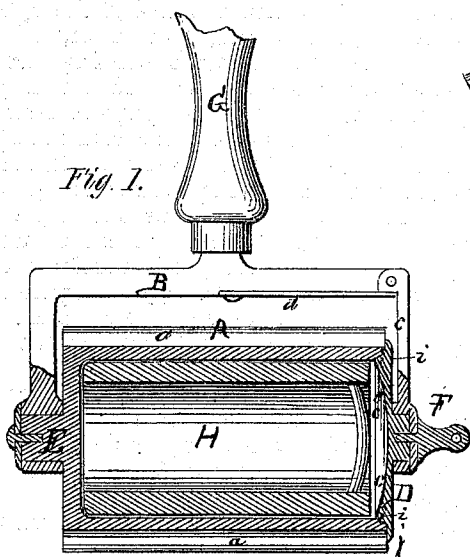


Fig. 1.

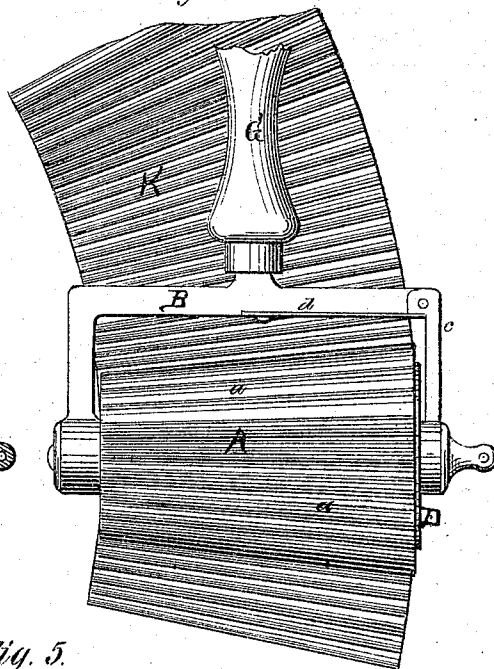


Fig. 2.

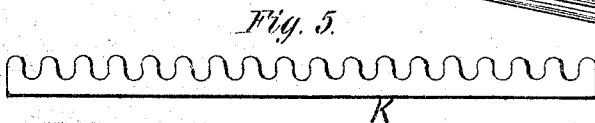


Fig. 5.

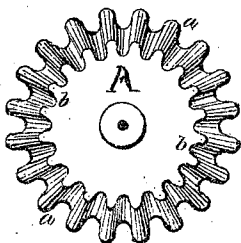


Fig. 4.

Witnesses.

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IMPROVEMENT IN FLUTING-MACHINES.

Specification forming part of Letters Patent No. 122,607, dated January 9, 1872.

SPECIFICATION.

To all whom it may concern:

Be it known that I, JACOB F. HAYEN, of Buffalo, in the county of Erie, in the State of New York, have invented a new and Improved "Fluting-Machine;" and I do hereby declare that the following is a full description thereof, reference being had to the accompanying drawing and the letters of reference marked thereon making a part of this specification.

Figure 1 is a longitudinal section of the fluting-roller, showing the means for heating the same and securing it to the handle. Fig. 2 is a plan view of the same, showing it applied to the fluting-bed. Fig. 3 is an end view of the fluting-roller and handle. Figs. 4 and 5 are, respectively, an end view of the conical fluting-roller and an edge view of the fluting-bed.

Similar letters of reference indicate corresponding parts in the several figures of the drawing.

My invention has for its object to improve the construction of that class of fluting-machines in which the fluting-cylinder is operated by hand upon a horizontal fluting platform or bed. To this end the invention consists in the method of applying the heating-core to the cylinder and of securing the latter to the frame of the operating-handle, as I will now proceed to describe.

In the accompanying drawing, A is the hollow fluting-cylinder, which may be made conical, as shown in Fig. 2, or of uniform diameter, as shown in Fig. 1. One end of this roller is closed and provided with a trunnion, E, and its opposite end receives a flanged cover, D,

also provided with a trunnion, F. B is the roller-frame, provided with a suitable handle, G, and hung upon the trunnions so that the cylinder may revolve freely. The arm *c* of the frame, which receives the trunnion of the flanged corner D, is hinged to the main portion B at the angle thereof, and holds the flanged cover within the end of the cylinder by means of the spring *d*, as shown in Figs. 1 and 2. H is the heating-core, fitting with easy contact within the cylinder and held in place by the flanged cover. When it is desired to remove the heating-core the arm *c* is swung outward, carrying the cover with it, thereby opening the end of the cylinder, through which the core is withdrawn. The shoulder *i* upon the cover fits within the open end of the cylinder when the device is in condition for use, and thereby forms a firm support for the same, while the flange *j* prevents the cover from being forced within the cylinder in contact with the core.

I design to employ the cylinder thus constructed in connection with a horizontal fluting-platform, K, which may be made perfectly straight, as shown in Fig. 5, or in the arc of a circle, as shown in Fig. 2.

Having thus described my invention, what I claim is—

The combination of the hinged arm *c*, spring *d*, and flanged cover D with the handle-frame B and hollow fluting-cylinder A, substantially as described, for the purposes specified.

JACOB F. HAYEN.

Witnesses:

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