C. F. DUDLEY.

FLUTING-MACHINE.

No. 184,280. Patented Nov. 14, 1876.

Fig 1.

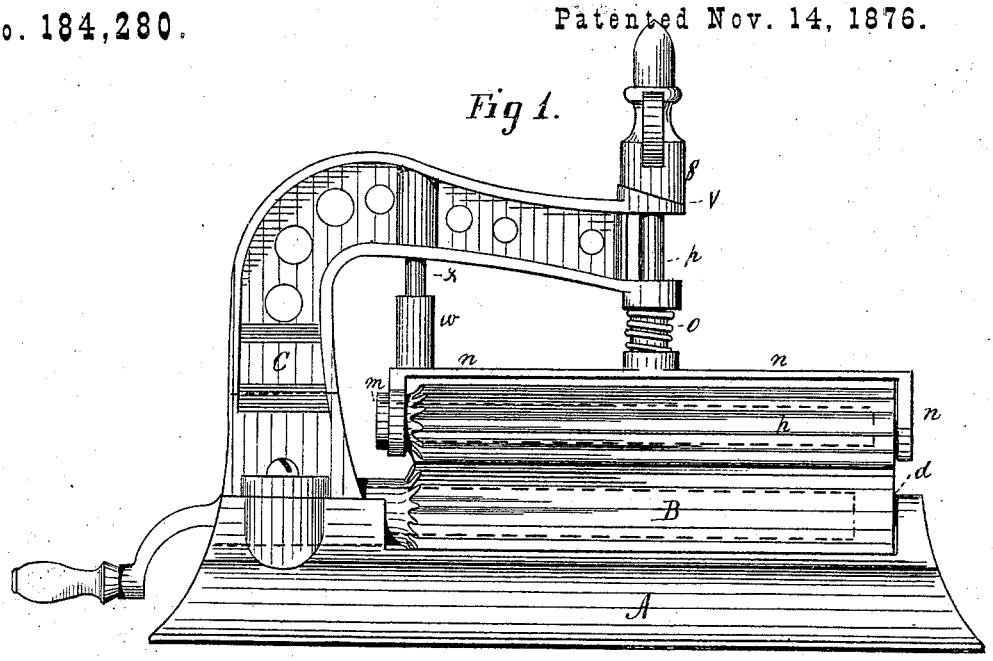


Fig 2.

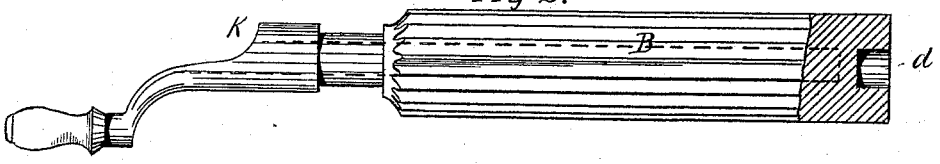
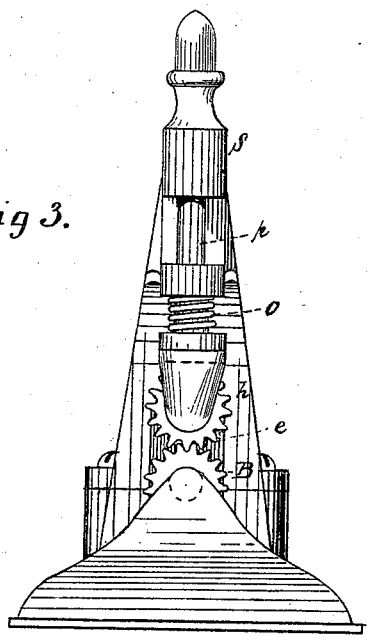


Fig 3.



WITNESSES:

B. C. Pole

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by

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UNITED STATES PATENT OFFICE.

CHARLES F. DUDLEY, OF LOCKPORT, NEW YORK.

IMPROVEMENT IN FLUTING-MACHINES.

Specification forming part of Letters Patent No. **184,280**, dated November 14, 1876; application filed March 23, 1876.

To all whom it may concern:

Be it known that I, CHARLES F. DUDLEY, of Lockport, county of Niagara, and State of New York, have invented an Improved Fluting-Machine.

The following description, taken in connection with the accompanying plate of drawings, hereinafter referred to, forms a full and exact specification, wherein are set forth the nature and principles of the invention, by which the same may be distinguished from others of a similar class, together with such parts thereof as are claimed as new and are desired to be secured by Letters Patent of the United States.

My invention relates to that class of fluting-machines which have a pair of corrugated rollers, between which the material to be fluted is drawn by the rotation of said rollers; and the nature thereof consists in certain improvements in the details of the construction of the same, hereinafter shown and described.

In the accompanying plate of drawings, in which corresponding parts are designated by the same letters, Figure 1 is a side elevation of the machine. Fig. 2 is a detached view of the lower roller. Fig. 3 is an end view.

A designates the base, in which is mounted the lower roller B and standard C. One end of the lower roller revolves upon the cylindrical projection *d*, and the other end within the lower part of the elongated opening *e* in the standard. Both the upper roller *h* and said lower roller are provided with cylindrical chambers for the reception of the heating-irons, which may be readily introduced through the said elongated opening *e* in the standard; and a portion of lower roller is cut away at *k*, in order to facilitate introduction of the heating-iron.

One end of the upper roller revolves upon the cylindrical projection *m* of the horizontal frame *n*, and the other end thereof revolves in a bearing cut in said horizontal frame. *o* designates a spiral spring, arranged upon the rod *p*, which supports the said horizontal frame *n*, the tendency of which is to press the said horizontal frame downward. The said rod *p* passes upward through apertures cut in the standard, and secured in position and adjusted by means of the nut *s*, screwed on the upper end thereof, and the cam *v*.

The movements of the upper roller are rendered steady and uniform by means of the slotted projection *w* and the rod *x*, which is rigidly attached to the standard, and projects downward into the cylindrical slot cut in the said projection *w*.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The base A, the standard provided with an elongated aperture, and the lower roller, cut away at *k*, in order to facilitate the introduction of the heating-iron, all combined as and for the purpose described.

In testimony that I claim the foregoing I have hereunto set my hand this 13th day of September, 1875.

C. F. DUDLEY.

Witnesses:

CHAS. C. DE LUDE,

EDWARD C. HART.