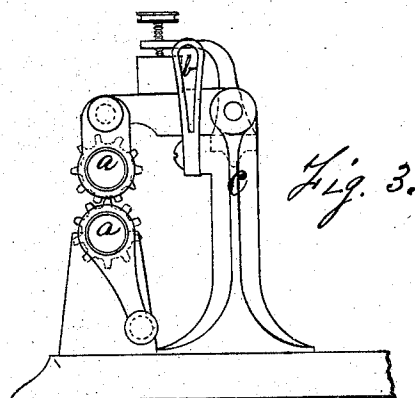
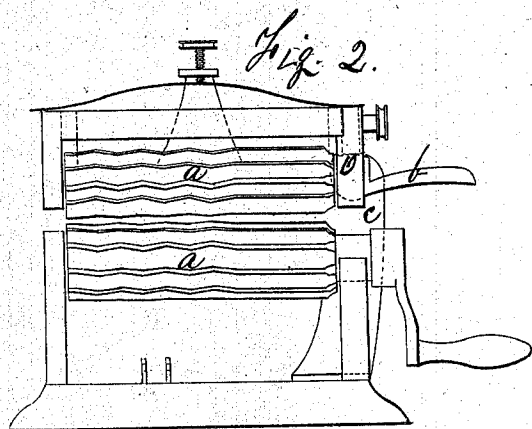
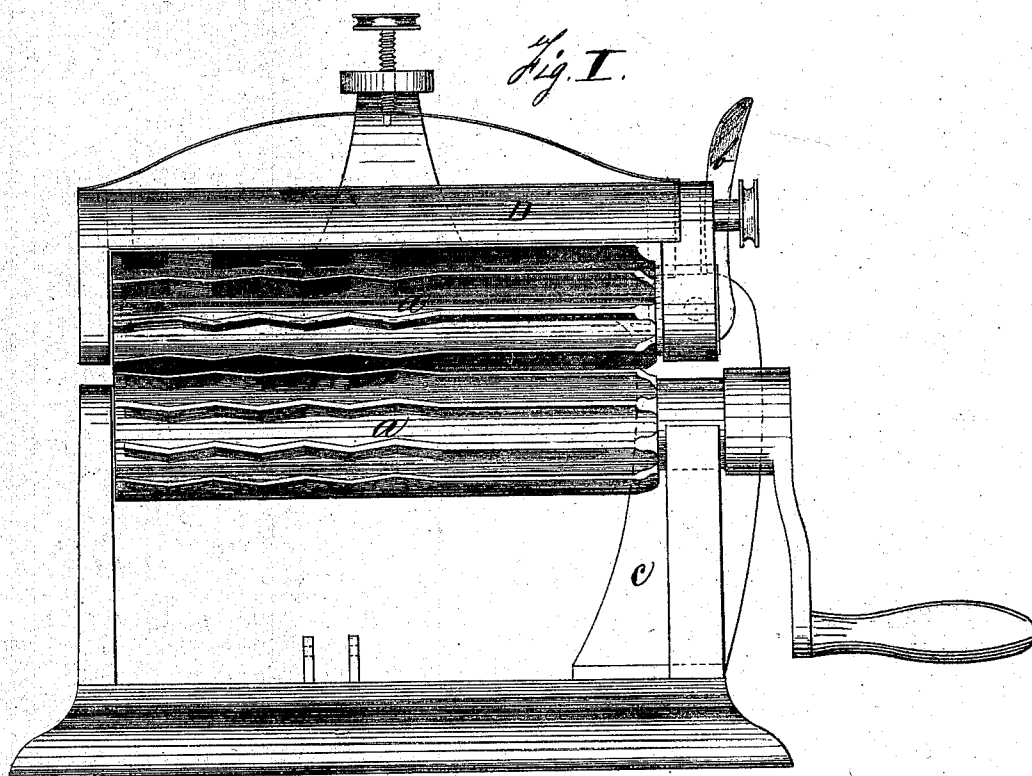


H. SOMMER & CHARLES BAUER.
Improvement in Fluting-Machines.

No. 115,251.

Patented May 23, 1871.



Witnesses

*Olin Drake
Elias Francis*

Inventors

*Henry Sommer
Charles Bauer
By Drake & Co Attys*

United States Patent Office.

HENRY SOMMER AND CHARLES BAUER. OF NEWARK, NEW JERSEY.

Letters Patent No. 115,251, dated May 23, 1871.

IMPROVEMENT IN FLUTING-MACHINES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that we, HENRY SOMMER and CHARLES BAUER, of Newark, county of Essex and State of New Jersey, have invented new and useful Improvements in Fluting-Machines; and we do hereby declare the following to be a full, clear, and exact description thereof sufficient to enable others skilled in the art to which our invention appertains to make and use the same, reference being had to the accompanying drawing making part of this specification, in which—

Figure 1 is a side view of our improved fluting-machine with the cam-lever arranged in the front part of the machine;

Figure 2 is a similar view of the same with the lever thrown down; while

Figure 3 is a front-end view of the device.

Our invention relates to an improvement in that class of devices known as fluting-machines; and

It consists of the combination and relative arrangement of certain parts, as will hereinafter more fully be set forth.

In the accompanying drawing—

a a represent the fluting-rollers, formed, preferably, in one piece with irregular corrugations, and having their bearings within the frame or standards *C D* of the machine proper, their outer or front ends being provided with gear-wheels which mesh into or engage with each other, by which means, with the aid of a crank, the ordinary rotary motion is imparted to the rollers.

Heretofore the rollers of fluting-machines having irregular corrugations were made up from a series of sections; such have proved expensive in construction, owing to their liability to get out of order.

To overcome these several objections, and at the same time produce a cheap and durable roller, we form the roller from metal in one piece with irregular corrugations, thus saving both expense and labor.

Upon the front end of the machine, within convenient reach of the operator, is pivoted or journaled a cam or eccentric-lever, *b*, adapted to elevate or lower the upper roller *a* when it is desired, and which is hung in the supporting-frame *D*.

By thus arranging and securing the lever upon the front end of the frame or standard *c* of a fluting-machine instead of at its rear, the operator is enabled to readily adjust and readjust the roller when necessary without injuring or in any way interfering with the goods or other material passing between the corrugated rollers.

It is evident that rollers formed in one piece, or in sections, either with straight or corrugated rollers, are adapted to be used in connection with the lever upon the front end of the frame or standard of the machine.

Having described our invention,

What we claim as new, and desire to secure by Letters Patent, is—

The arrangement of the frame *C*, cam-lever *b*, upper roller *a* with the hinged supporting-frame *D*, constructed and operating as herein shown and described.

HENRY SOMMER.
CHARLES BAUER.

Witnesses:

OLIVER DRAKE,
ELIAS FRANCIS.