

J. E. WILSON.
FLUTING-MACHINE.

No. 188,558.

Patented March 20, 1877.

FIG 1.

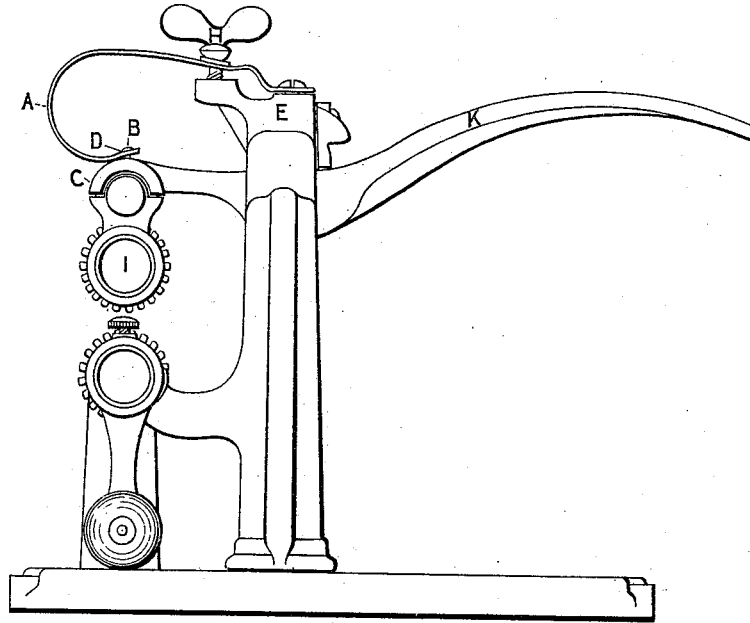
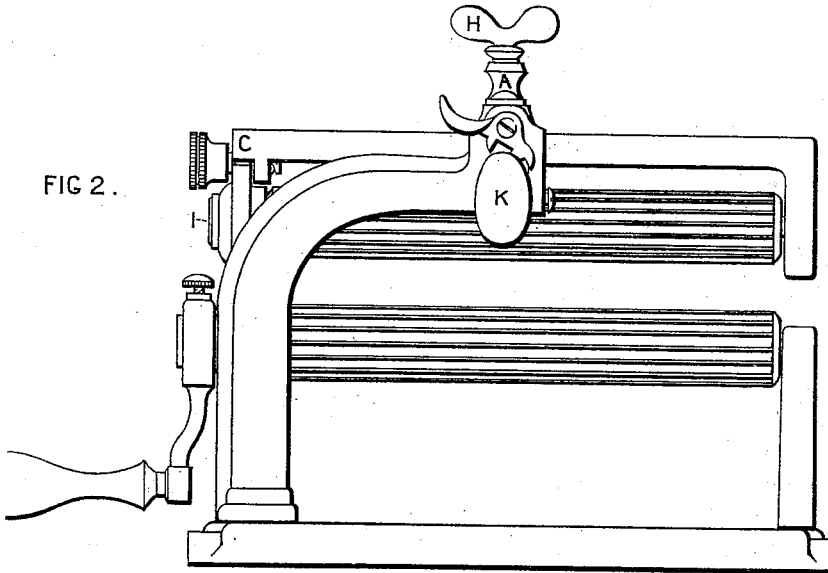


FIG 2.



ATTEST:

F. Heard
A. Lacey

James Edward Wilson

INVENTOR:

UNITED STATES PATENT OFFICE.

JAMES E. WILSON, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO JAMES WILSON, OF SAME PLACE.

IMPROVEMENT IN FLUTING-MACHINES.

Specification forming part of Letters Patent No. **188,558**, dated March 20, 1877; application filed December 9, 1876.

To all whom it may concern:

Be it known that I, JAMES EDWARD WILSON, of Bridgeport, Fairfield county, and State of Connecticut, assignor to JAMES WILSON, of said Bridgeport, have invented a new and useful Improvement in Fluting-Machines; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, and to the letters of reference marked thereon, in which the same letter represents the same thing in each figure.

Figure 1 is a side elevation of my improved fluting-machine; Fig. 2, a rear elevation thereof.

My improvement relates to the arrangement of the devices permitting the insertion of the material to be fluted.

Heretofore, the upper fluting-roll has been held to the lower roll by a tension-spring, which did not permit of the elevation of the upper fluting-roll to insert the material between the rolls, without relieving the pressure of the tension-spring, whereby considerable time and strength were expended, and con-

stant readjustment made necessary, to prevent variable tension.

I raise the upper fluting-roll independently of the tension spring, so that when the proper degree of tension is once secured it need not be changed until a variation thereof is desired.

I accomplish this by employing bow-spring A, secured upon pin B, on lever-arm C, by hole D, and extending back and secured to the head of goose-neck E, its tension being regulated by thumb-screw H. The upper fluting-roll I may now be lifted by lever-handle K, without touching thumb-screw H, or changing the tension of bow-spring A.

What I claim, and desire to secure by Letters Patent, is—

The combination of upper fluting-roll I, bow-spring A, thumb-screw H, and lever-arm C, constructed and arranged substantially as and for the purposes described.

JAMES EDWARD WILSON.

Witnesses:

F. HURD,

A. R. LACEY.