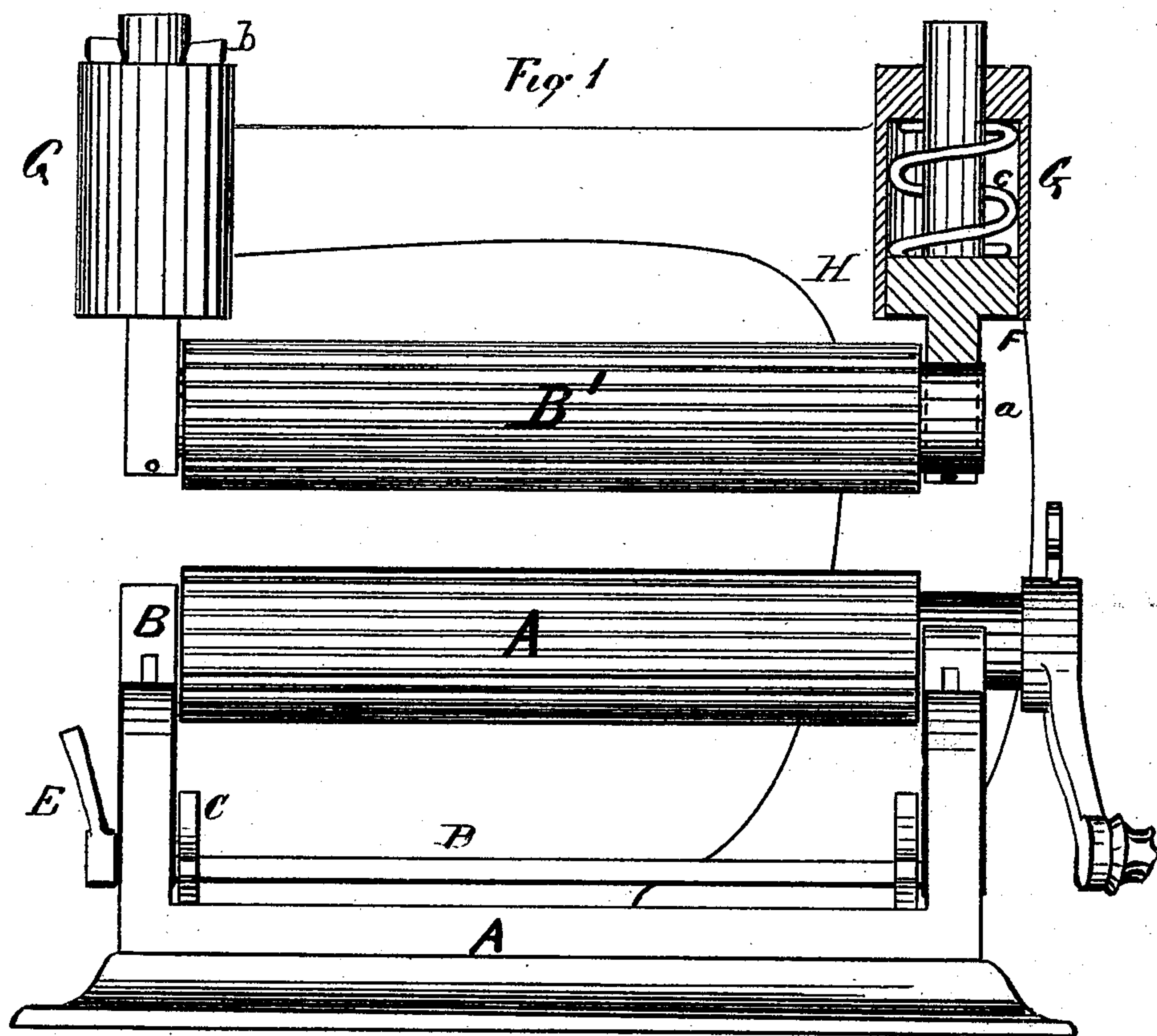


C. SCHNEIDER.  
Fluting-Machine.

No. 169,301.

Patented Oct. 26, 1875.



Witnesses  
Benjamin C. Pole  
Yoon & Pike

Inventor  
Charles Schneider  
by his Attorney  
Oliver, Drake

# UNITED STATES PATENT OFFICE

CHARLES SCHNEIDER, OF NEWARK, NEW JERSEY.

## IMPROVEMENT IN FLUTING-MACHINES.

Specification forming part of Letters Patent No. **169,301**, dated October 26, 1875; application filed March 13, 1875.

*To all whom it may concern:*

Be it known that I, CHARLES SCHNEIDER, of the city of Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Fluting-Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

The nature and object of this invention is to facilitate the operation of fluting dress-goods and securing uniformity in the action of the several parts of the mechanism employed for the purpose.

The invention consists in the peculiar construction and operation of the apparatus, as will be hereinafter more fully described.

The bottom fluted roll A is adjustable, having its bearings in the grooved slides B, which are raised and lowered by means of a cam or cams, C, secured to a shaft, D, passing through said slides or bearings B, and operated by means of a crank, E, the cams C resting upon the base-plate A'. The top fluted roll B' is held by, and revolves in, the arms F, said arms being provided with shanks a, and held

and secured in the socket-arms G, which project from the elbow H, as shown, by means of pins b, or other suitable device. The sockets in said arms G are enlarged below the top, so as to receive a coiled spring, c, which has a bearing at the top of the socket, and against a shoulder at the bottom of the shank above referred to, said shoulder corresponding in size with said enlargement of the socket in the arm G. The object of said springs is to relieve the rigidity of the top roll B' when in the act of fluting, and to give the requisite pressure upon the fabrics.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, is—

A fluting-machine consisting of the fluted roller A, slides or bearings B, cams C, upper fluted roller B', arms F, having the shanks a, and socketed arms G, provided with the springs c, the several parts being constructed, combined, and arranged to operate substantially as and for the purpose set forth.

In testimony that I claim the foregoing as my own invention, I affix hereto my signature in presence of two witnesses.

CHARLES SCHNEIDER.

Witnesses:

GEO. H. WILSON,

GEO. W. FRANCIS.