

Charles Wesley Thompson Fluting Machine

Fig 1 117578

PATENTED AUG 1 1871

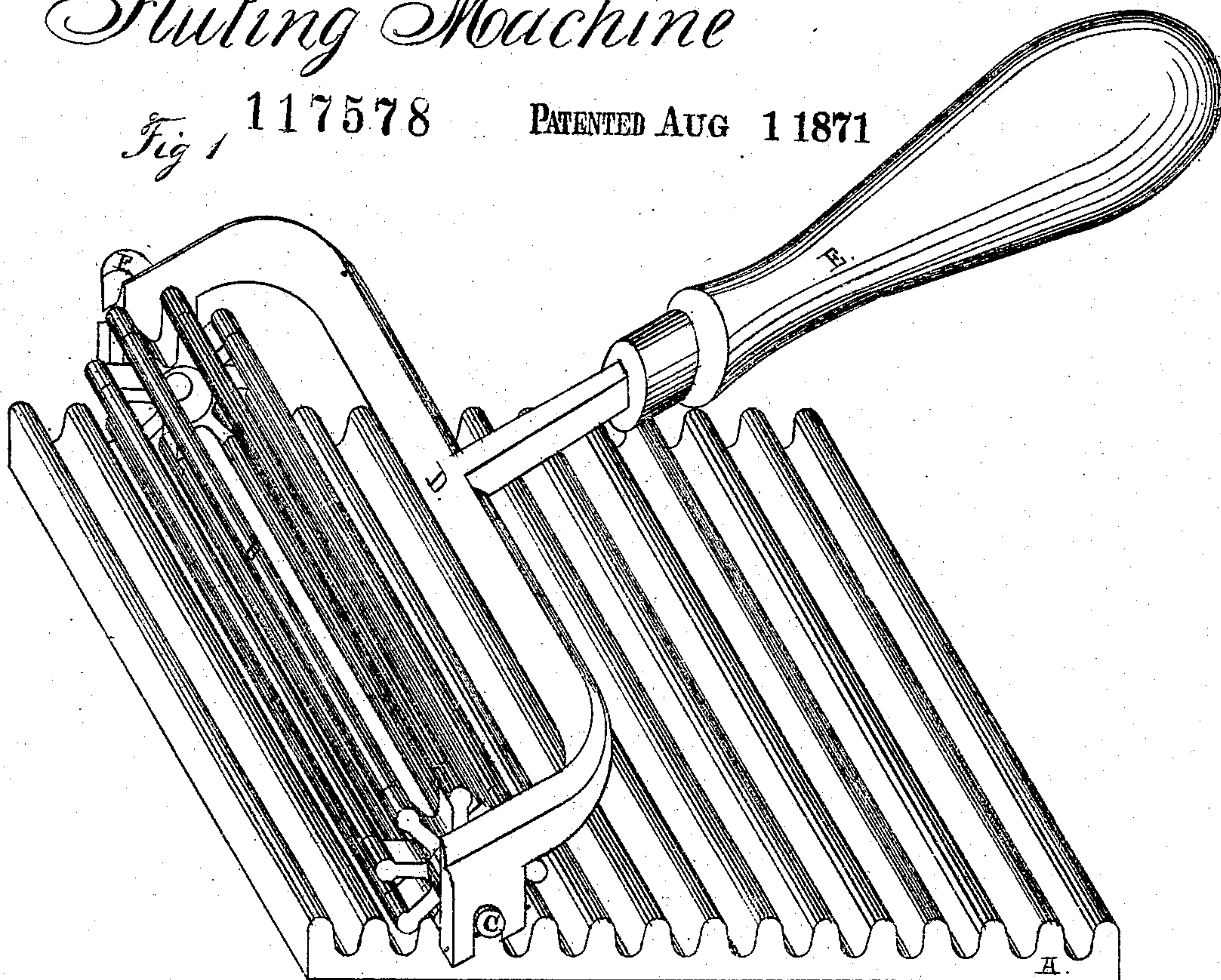
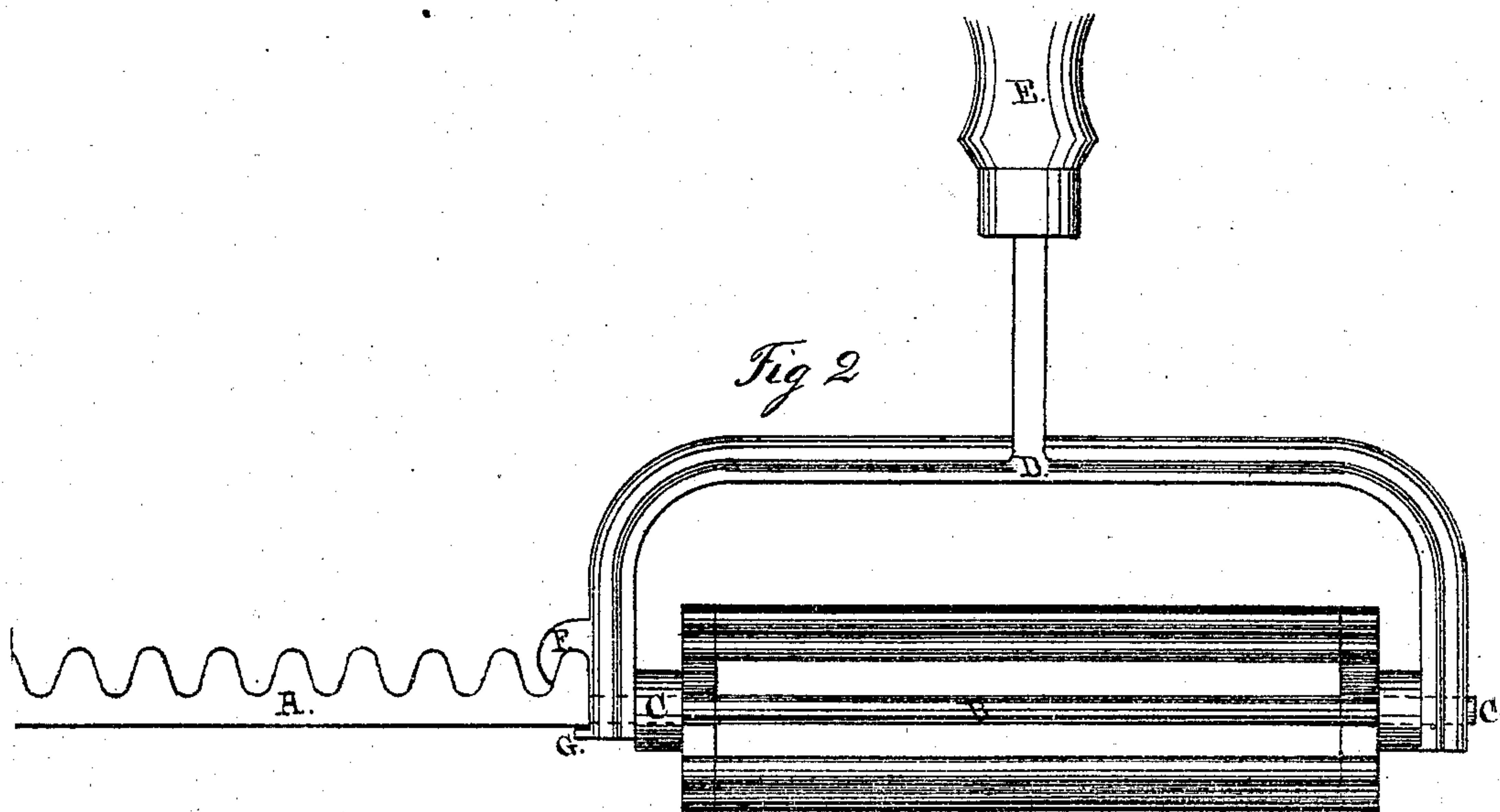


Fig 2



Witness:

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Inventor

UNITED STATES PATENT OFFICE.

CHARLES WESLEY THOMPSON, OF CHICAGO, ILLINOIS.

IMPROVEMENT IN FLUTING-MACHINES.

Specification forming part of Letters Patent No. 117,578, dated August 1, 1871.

To all whom it may concern:

Be it known that I, CHARLES WESLEY THOMPSON, of Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Fluting-Machines; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable others skilled in the art to which my invention appertains to make and use the same, reference being had to the accompanying drawing forming part of this specification, in which—

Figure 1 is a perspective view of a fluting-machine embodying my improvements; and Fig. 2 is a side view of the same, showing the manner of lifting the bed-plate.

Similar letters of reference indicate like parts in both figures of the drawing.

My invention relates to that class of machines intended for fluting fabrics; and the improvement consists in an open and ribbed or lantern-gear-shaped metal roller to work on a grooved or corrugated bed-plate, so constructed as to allow of a free circulation of air about the fabric to be fluted.

In the drawing, A represents a grooved or corrugated metal plate. B is an open and ribbed or lantern-gear-shaped roller, affixed between the ends of the forked frame D so as to freely revolve upon its pivots C, said frame D being securely affixed to the handle E. At or near one end of the forks of said frame, and upon its outer side, is provided a projecting hook, F, which is used in lifting the bed-plate A by passing it over and upon the last projection or cog upon either end of said bed-plate, and which is prevented from

slipping from under or away from the hook in the act of lifting said bed-plate by means of, and resting against, the projection G upon said fork.

By means of the open and ribbed roller the air has a free circulation about the fabric while being fluted, thereby facilitating the drying of the fabric, and the operator can see the fabric during the action of the roller thereon.

In using my said improved fluting-machine, the metal plate is first heated as desired and the fabric to be fluted, having been previously starched and dampened in the usual manner, is placed upon the grooved surface of the plate and is forced and pressed into the grooves of said bed-plate by means of the roller E, rolled slowly therein and thereon, thereby fluting the fabric.

Having thus described the nature and object of my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. The open-ribbed and lantern-gear-shaped roller B, to work upon a corrugated bed-plate A, substantially as and for the purpose described.

2. The combination of the roller B, when constructed as described, with the corrugated bed-plate A, substantially as and for the purpose described.

3. The forked frame D, provided with the hook F and projection G, in combination with the roller B provided with its pivots C, substantially as and for the purpose described.

CHARLES WESLEY THOMPSON.

Witnesses:

W. C. WILLIAMSON,
THOS. W. ADAMS.