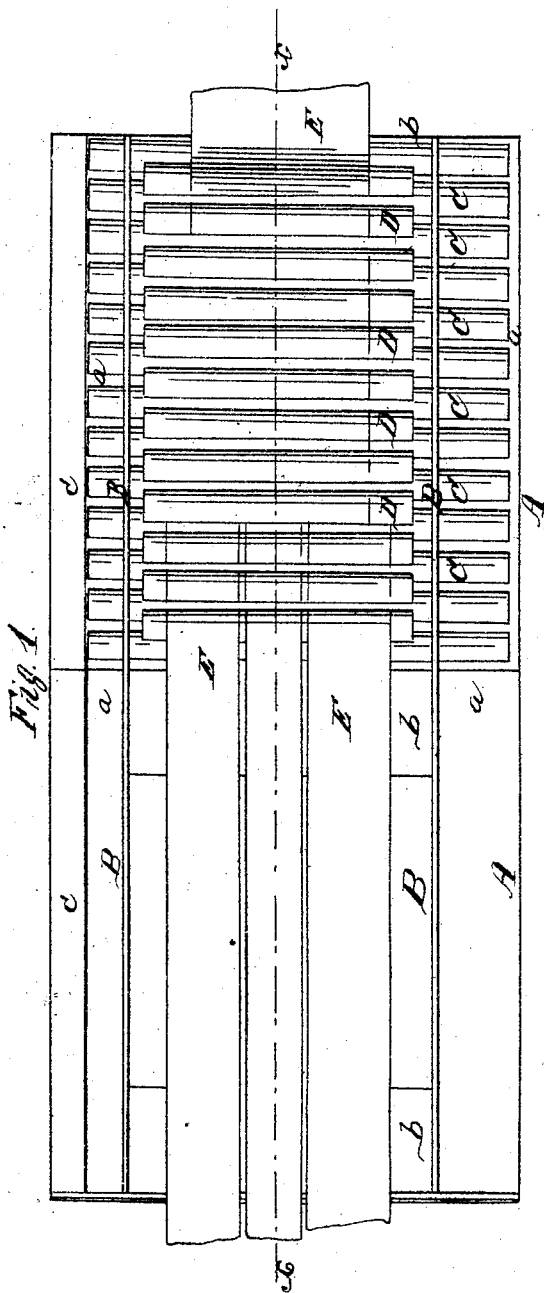


Fluting Mach.

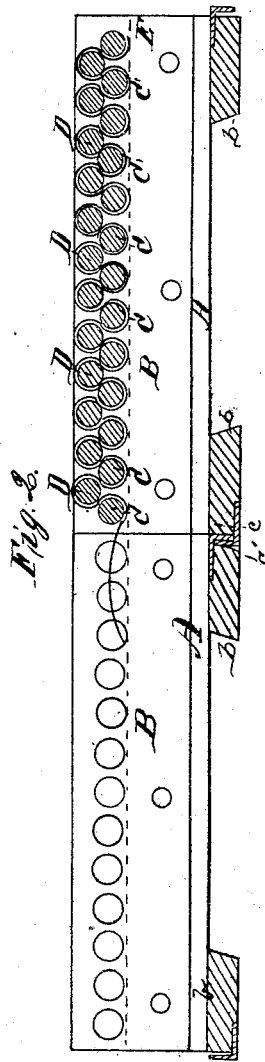
N^o 46157

Patented Jan. 31, 1865



Witnesses.

Henry Morris
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Inventor

Lucius Totten
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UNITED STATES PATENT OFFICE.

SINEUS E. TOTTEN, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN APPARATUS FOR FLUTING TRIMMINGS.

Specification forming part of Letters Patent No. **46,157**, dated January 21, 1895.

To all whom it may concern:

Be it known that I, SINEUS E. TOTTEN, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Apparatus or Device for Fluting Trimmings for Ladies' Wearing-Apparel; 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 make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan or top view of my invention. Fig. 2 is a longitudinal vertical section of the same taken in the line *x x*, Fig. 1.

Similar letters of reference indicate like parts.

The object of this invention is to obtain a simple and economical apparatus or device by which trimmings for ladies' wearing-apparel—such as dresses, cloaks, &c.—may be fluted expeditiously and in a perfect and durable manner.

To this end the invention consists in the employment or use of a series of metal rods, which are heated to a proper temperature and inserted in racks or frames, with the fabric or trimming placed around them, as hereinafter fully shown and described, whereby the rods are made to give the desired form to the fabric or trimmings, the rods remaining in contact with the latter until they become cool or nearly so.

A A represent the two parts of the frame, each part being composed of two parallel strips, *a a*, connected at suitable distance apart by cross-bars *b b*. To these strips *a a* at their inner sides there are secured metal plates B, one to each strip. These plates project above the strips *a*, and are perforated with holes at suitable and equal distances apart to receive metal rods C. One of the strips *a* of each part A of the frame is provided with an upright cleat or ledge, *c*, which extends up nearly as high as the plate B, which is attached to it, so that the rods C, when inserted in the plates B, will come in contact with it, as shown clearly in Fig. 1. The holes in the plates B must be in line with each other, so that the rods C, when fitted in them, will all be par-

allel one with another, and all at right angles with the strips *a a*, as shown in Fig. 1.

D represents metal rods which are of the same diameter as the rods C, but shorter, so that they may be placed between the plates B B at right angles thereto and rest upon the rods C between the latter, the distance between the rods C being such that the rods D cannot pass through between them, as will be seen by referring to Fig. 2.

The strips *a a* and cross bars *b* may be of wood. The plates B may be of brass or other metal, and the rods C D of iron or other metal.

The device is used as follows: The rods C D are heated to a proper temperature in an oven or in any other suitable or desired way, and a rod, C, is first inserted in the ends of the plates B B of a part, A, of the frame, the fabric or trimming E being placed underneath said rod C and brought up above it and around a short rod, D, and then passed down, so that a second rod, C, may be inserted over it in the plates B B, the fabric or trimming being then raised and passed over a second short rod, D, and then down and underneath a long rod, C, and so on until all of the holes in the plates B are filled with the long rods.

By referring to Fig. 2 the position of the fabric or trimming when adjusted around the heated rods C D, is distinctly shown.

When one part, A, of the frame is filled with its rods, the other part A may be attached to it, a metal cleat, *c*, at the end of one part A fitting over a corresponding cleat, *c'*, at the adjoining end of the other part, (see Fig. 2,) and the newly-attached part A may have the rods C D adjusted to the trimming or fabric in precisely the same way as in the former case. Any number of parts A may be used, the rods of one part being heated while those of another part are being applied to the fabric or trimming.

The frames and the rods are made of various sizes to suit the width of the fluted trimming or fabric, and, in case the latter be narrow, several pieces may be fluted at once on the same rods and commenced as different parts A are added.

When the rods C D become cool, or nearly

so, they may be removed from the frame, and the fluting is accomplished. The fabric or trimming is starched and slightly moist when adjusted around the rods, and the latter are manipulated with gloved hands, in order to protect the operator from the heat of the same.

I claim as new and desire to secure by Letters Patent—

A fluting apparatus consisting of a series of rods, C D, and one or more frames, A, arranged and operated substantially as shown and described.

SINEUS E. TOTTEN.

Witnesses:

KATE W. KETCHAM,
WILLIAM BROWN.