

C. T. LAUR.
Plaiting-Machine.

No. 220,850.

Patented Oct. 21, 1879.

Fig. 1.

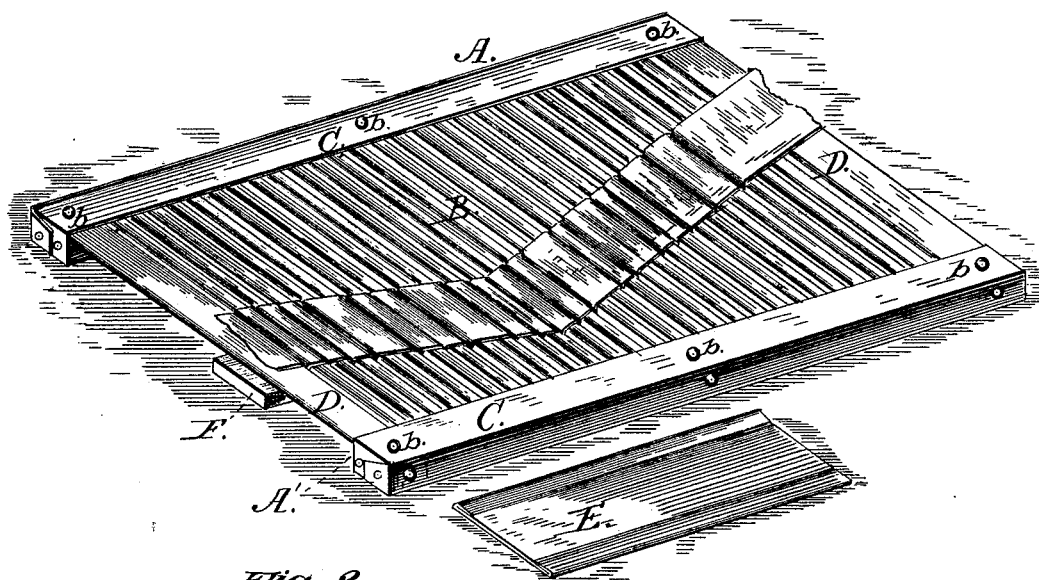
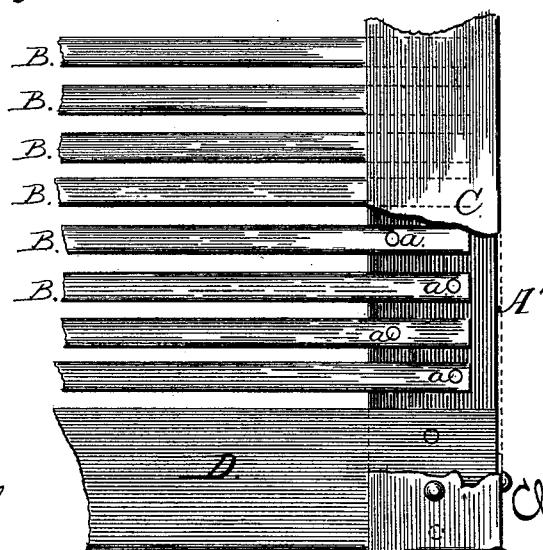


Fig. 2.



Witnesses
Ad. S. Dietrich
C. Hall Sweet

Inventor
 Charles T. Laur
 By *Parker & Sweet, Jr.*
 atty.

UNITED STATES PATENT OFFICE.

CHARLES T. LAUR, OF LYNCHBURG, VIRGINIA.

IMPROVEMENT IN PLAITING-MACHINES.

Specification forming part of Letters Patent No. **220,850**, dated October 21, 1879; application filed September 11, 1879.

To all whom it may concern:

Be it known that I, CHARLES T. LAUR, of Lynchburg, in the county of Campbell and State of Virginia, have invented certain new and useful Improvements in Plaiting and Fluting Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters of reference marked thereon, which form a part of this specification.

My invention relates to new and useful improvements in that class of plaiting and fluting machines which are composed of a series of cross-bars or rods arranged at equal distances apart and connected by solder to metallic side frames; my present invention being designed as an improvement over those heretofore made; and it consists in the details of construction and general arrangement of parts, all as will be hereinafter fully described, and pointed out in the claims.

Referring to the drawings, Figure 1 represents a perspective view of my improved device, and Fig. 2 a sectional detail view of the same.

Similar letters of reference, occurring on both figures, indicate corresponding parts.

In the drawings, A A' represent the side pieces or rails of my device, which are constructed of wooden strips, to which the ends of the metallic cross-rods B are fastened by means of tacks or small screws, as shown at *a*, said side rails being afterward covered by a metallic shield, C, for the double purpose of preventing the tacks from drawing out, as also to make a neat finish and strengthen the whole construction.

A wide cross-bar, D, is provided at each end and doubly tacked to the ends of the side pieces, A A', to keep the cross-rods in their

proper position. At the ends and middle of the side pieces, A A', are projecting nail-heads *b*, which not only serve to secure the shield C in place, but serve also to prevent the machine from slipping when the same is in operation.

It will be observed that, in the construction of the plaiting and fluting machines heretofore made, the cross-bars are simply soldered to metallic side pieces, and in a short time the heat of the iron used to press the cloth or other goods melts the solder and causes the machine to fall to pieces and become worthless.

By means of my invention these defects are entirely obviated, and a machine is produced capable of long service, and in every way admirably adapted for the purposes contemplated.

In the operation of my device the cloth or goods to be operated upon are placed upon the cross-rods, commencing at one end, and, by means of the straight knife E, forced down between the rods, so as to form different patterns, as shown in Fig. 1, the removable under strip of wood, F, being employed to act as a gage to regulate the depth of the plaiting.

Having thus described my invention, what I claim as new and useful is—

As an improved article of manufacture, the herein-described plaiting and fluting machine, consisting of the metallic cross-rods B, secured by tacks or screws *a* to the wooden side rails, A A', which are provided with metallic shields C and end cross-bars, D, all arranged substantially as and for the purpose specified.

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

CHARLES T. LAUR.

Witnesses:

PARKER H. SWEET, Jr.,
CHARLES D. COLEMAN.