

(No Model.)

V. CRÉPET.
MACHINE FOR GOFFERING VELVET.

No. 560,479.

Patented May 19, 1896.

Fig. 1.

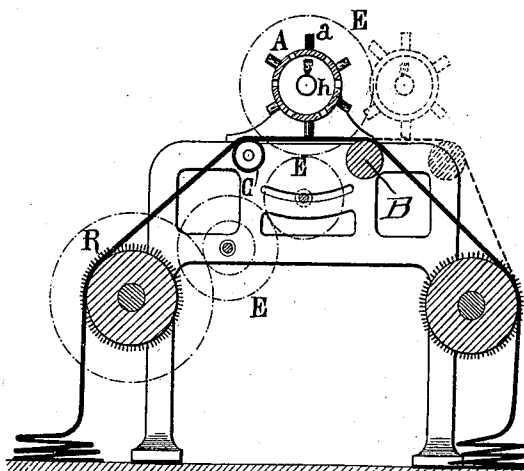
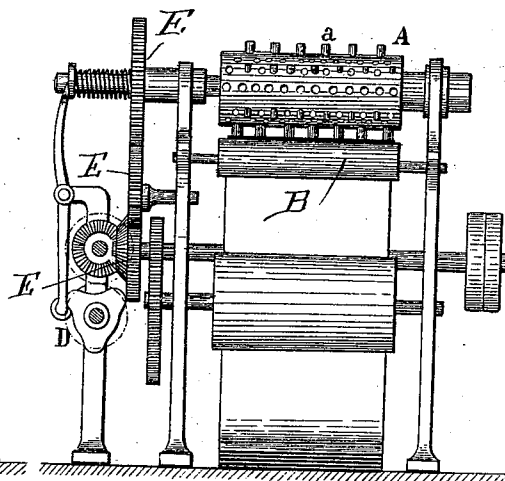


Fig. 2.



Witnesses
H. van Oldenmeel
E. A. Scott

Inventor
Victor Crépet
by *Richardson*
Attorneys

UNITED STATES PATENT OFFICE.

VICTOR CRÉPET, OF LYONS, FRANCE.

MACHINE FOR GOFFERING VELVET.

SPECIFICATION forming part of Letters Patent No. 560,479, dated May 19, 1896.

Application filed August 8, 1895. Serial No. 558,691. (No model.) Patented in France May 25, 1895, No. 247,648, and in England June 13, 1895, No. 11,546.

To all whom it may concern:

Be it known that I, VICTOR CRÉPET, a citizen of the Republic of France, residing at Lyons, France, have invented certain new and useful Improvements in Goffering Velvet, Plush, and other Tissues, of which the following is a specification.

This invention has been patented in France May 25, 1895, No. 247,648, and in Great Britain June 13, 1895, No. 11,546.

The present invention refers to the goffering of velvet, plush, and other tissues.

It consists, essentially, in the replacing of engraved plates or cylinders as used at the present time by the heated touches or keys coming in contact with the fabric and changing place in relation thereto, so as to trace designs upon the same, the composition of which is determined by various motions of the touches or fabrics or by the shape of the operating parts of the touches. This process enables me to produce an indefinite variety of designs without requiring the long and expensive work of engraving plates or cylinders, and besides it gives entirely new glittering effects for the haired tissues, owing to the fact that the touches press down the hair alternately in different directions. The touches move all together or in series when it is desired to produce similar subjects; but each of them can also have an independent motion when it is desired to make complicated designs.

In the drawings, Figure 1 is a vertical sectional view of the machine; Fig. 2, a side view.

The touches *a a* of variable shape are arranged, according to the design it is desired to produce, upon a hollow metallic cylinder heated inside by a gas-jet *h*. The fabric is presented stretched to the action of the touches by passing over two fixed bars *B C*. It is moved at a uniform speed by a pin-roller *R* if velvet is being operated upon or by any well-known means for other fabrics. The cylinder *A* can be given a rotary motion, the direction and the speed of which can vary, by

means of interchangeable gearing-wheels *E*. It can also be given a longitudinal motion along its axle by means of a cam *D*, the shape and speed of which can vary also.

While I have shown means for giving the roller a variety of movements—*i. e.*, rotary and longitudinal reciprocatory—I do not wish to limit myself strictly to this, as other movements may be given to the roller without departing from the spirit of my invention.

In combining the various motions of the cylinder with the shape and the grouping of the touches an indefinite quantity of designs will be produced composed of points, continuous or broken stripes, either straight or undulated, the undulations of which, however, will be parallel. It will be impossible to produce undulations which are not parallel and even crossed by arranging other similar cylinders adjacent to the first, as shown in Fig. 1 in dotted lines. In the case of continuous stripes the cylinders have no rotary motion and can be replaced by simple heated bars carrying one row of touches only.

I claim—

1. In combination, means for moving and guiding the cloth, the touches and the carrier therefor, said carrier having movement adapted to place the touches into and remove them from contact with the cloth, said carrier having a movement transversely of the cloth to give the touches a movement laterally while in contact with the cloth, substantially as described.

2. In combination, means for moving and guiding the cloth, the touches, the rotary cylinder carrying the same, said cylinder having movement transversely of the cloth and means for giving the cylinder said transverse movement.

In witness whereof I have hereunto set my hand in presence of two witnesses.

VICTOR CRÉPET.

Witnesses:

GARTON JEAUNIAUX,
FRANK E. HYDE.