E. Nougaret.

Pouncing Hats.

No. 52739 Patented Feb. 20, 1866.

Fig. 1.

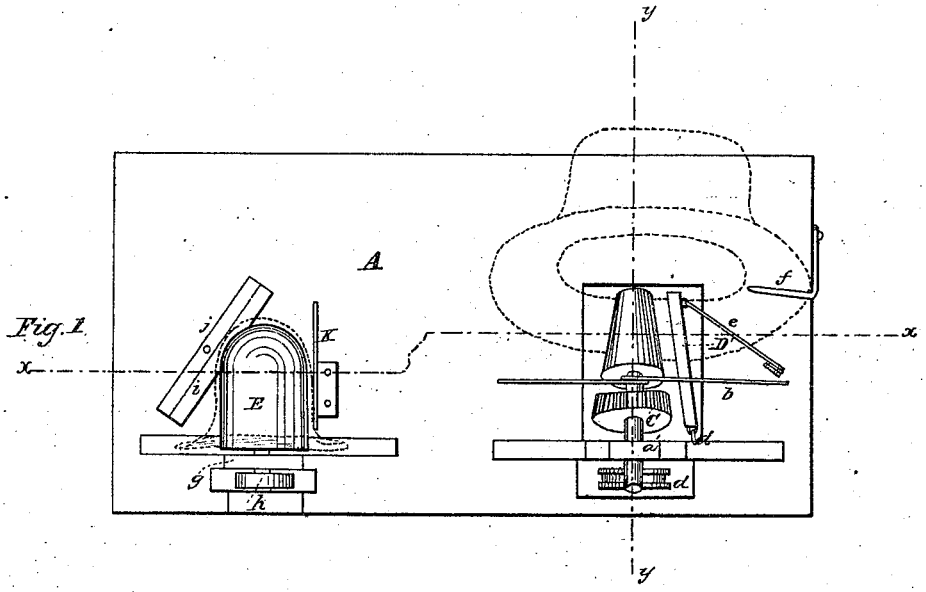


Fig. 2

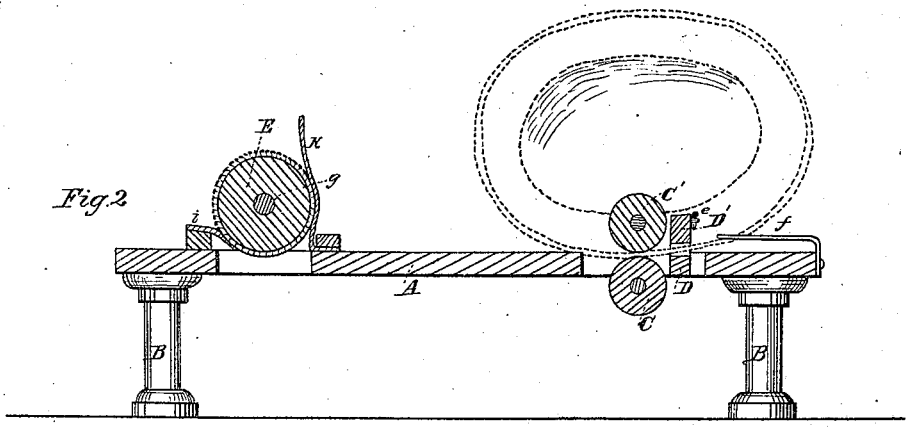
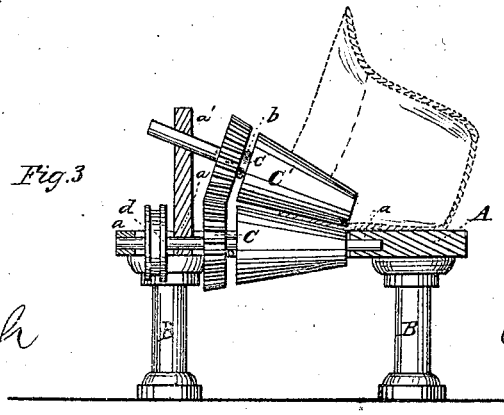


Fig. 3



Witnesses

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UNITED STATES PATENT OFFICE.

EMILE NOUGARET, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN APPARATUS FOR POUNCING HATS.

Specification forming part of Letters Patent No. **52,739**, dated February 20, 1866.

To all whom it may concern:

Be it known that I, EMILE NOUGARET, of Newark, in the county of Essex and State of New Jersey, have invented a new and Improved Machine for Pouncing Hats; 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 represents a plan or top view of this invention. Fig. 2 is a longitudinal vertical section of the same, the line *x x*. Fig. 1, indicating the plane of section. Fig. 3 is a transverse vertical section of the same, taken in the plane indicated by the line *y y*, Fig. 1.

Similar letters of reference indicate like parts.

This invention relates to a machine by which the operation of pouncing the brim and also the body and crown of a hat can be performed with the greatest ease and facility and with very little hand-labor. The brim of the hat is secured between two conical pressing-rollers, which carry the same through between two spring-jaws, the faces of which are covered with emery or sand paper or other suitable material, and the hat is guided in its motion by an angular guide-piece in such a manner that by imparting to the conical pressing-rollers a rapid revolving motion the brim of the hat is carried through between the spring-jaws, and the operation of pouncing the same is effected without exertion and in a short time.

In order to pounce the body of the hat, said hat is secured on a block to which a rapid revolving motion is imparted, so that by holding sand or emery paper against its surface it is rapidly pounced. Said emery or sand paper may be either loose or it may be secured to swivel-bars, so that the same can be conveniently brought in contact with all parts of the body and of the crown of the hat.

A represents a table or platform supported by four (more or less) legs, B. This table is provided with suitable boxes *a* to form the bearings for the axle of the lower one of the conical pressing-rollers C, and with another box, *a'*, which forms the bearing for the axle of the upper pressing-cone, C'. The axle of this latter cone does not extend through the small end thereof, and it has its second bearing in a bridge-bar, *b*, which is supported by uprights rising from the table. If desired, the bearings of this roller may be so arranged that the same are yielding, and cause the rollers to clamp the hat to be pounced with a certain yielding force capable of accommodating itself to brims of different thickness, or to inequalities in the brim passing through between them. The two pressing-cones are geared together by cog-wheels *c*, and a belt-wheel or pulley, *d*, is mounted on the axle of the lower roller, so as to impart to said rollers the desired rotary motion by steam or any other suitable power.

Next to the pressing-cones are the pouncing-jaws D D', the lower one of which is permanently secured in a slot or mortise in the table A, whereas the upper one is hinged to a hook, *d*, that is fastened in a standard rising from the table, and it is held in position by a rod, *e*, as shown in Fig. 1. The surfaces of the two jaws are covered with emery, sand-paper, or other suitable material, or the jaws may be made of pumice-stone or a composition of emery suitable for pouncing hats. These jaws are intended to pounce the brims, and after a brim has been adjusted between them and the pressing-cones a few revolutions given to said cones produce the desired operation by drawing the brim through between the jaws with great rapidity. During this motion the hat is held in the proper position by a guide-piece, *f*, secured to the edge of the table and catching over the brim, as shown in Figs. 1 and 2.

After the brim has been pounced by the combined action of the jaws D D' and pressing-cones C C', the hat is adjusted on the block E, which is mounted on the end of a shaft, *g*, which has its bearings in suitable boxes on the table A, and to which a revolving motion is imparted by a belt running over a pulley, *h*, mounted on said shaft, or by any other suitable means. A strip, *i*, of wood or other suitable material and covered with emery-paper, sand-paper, or other similar material, is secured to the table A by a pin or stud, *j*, on which it swivels, so that its surface can be brought in contact with the surface of the body and of the crown of the hat. A piece of

sand-paper or emery-paper fastened to the table by a clamping-piece, *k*, serves to impart to the hat the final finish.

By this machine the operation of pouncing hats is materially facilitated. It can be performed very rapidly, almost without any hand-labor, and with little or no exertion.

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

1. The pressing-cones C C′, in combination with the pouncing-jaws D D′ and guide-piece *f*, constructed and operating substantially as and for the purpose described.

2. The swivel-bar *i*, covered with sand-paper or other suitable material, and applied in combination with the revolving block E, substantially as and for the purpose set forth.

EMILE NOUGARET.

Witnesses:

LA CITTE,

CONSTANTIN BEUREH.