

E. Nougaret.

Pouncing Hats.

Patented Sep. 18, 1866.

Nº 58126

Fig. 1.

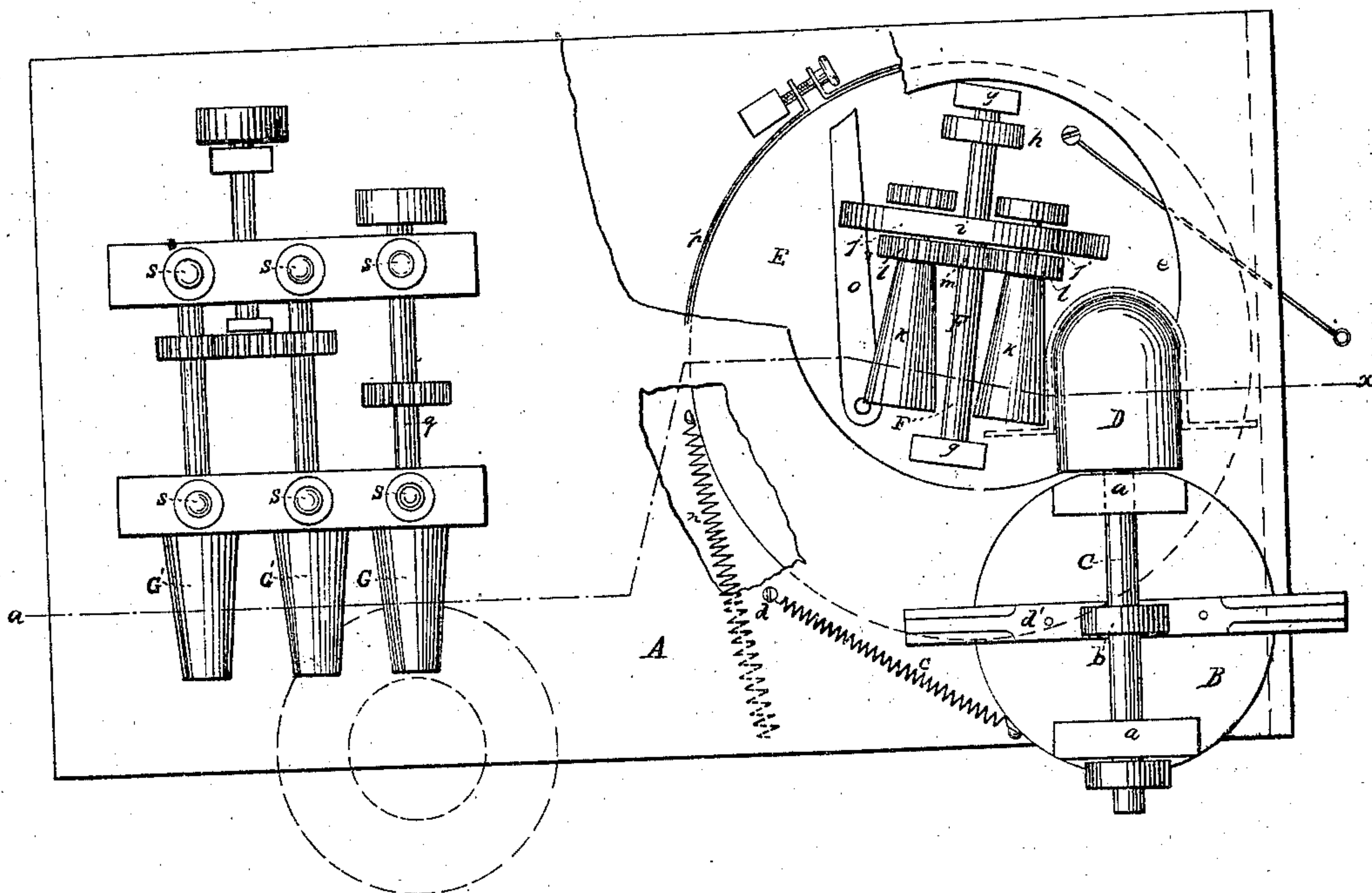
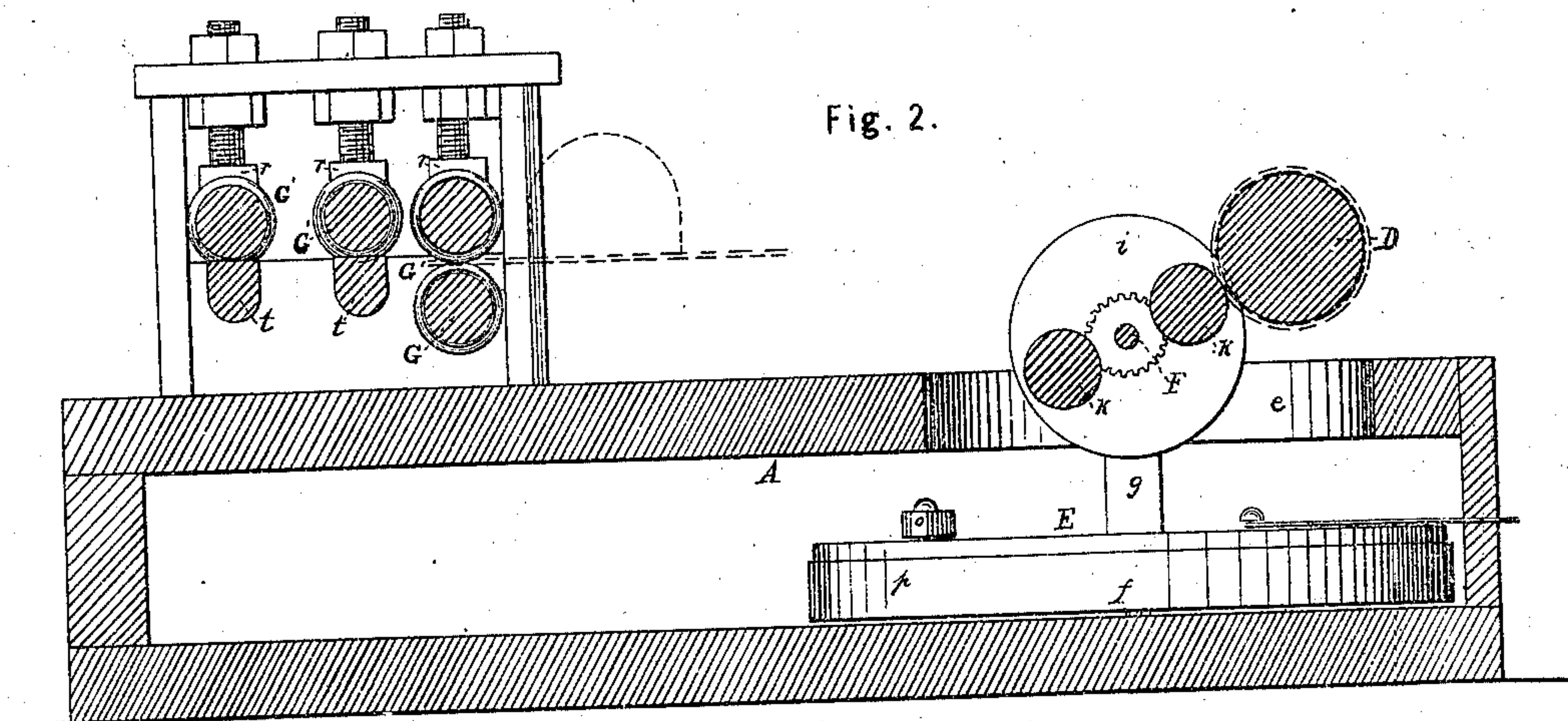


Fig. 2.



Witnesses.

For A. Service.
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Inventor.

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UNITED STATES PATENT OFFICE.

EMILE NOUGARET, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN MACHINES FOR POUNCING HATS.

Specification forming part of Letters Patent No. 58,126, dated September 18, 1866.

To all whom it may concern:

Be it known that I, EMILE NOUGARET, of Newark, Essex county, 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 *xx*, Fig. 1, indicating the plane of section.

Similar letters of reference indicate like parts.

This invention consists in the arrangement of one or more cones covered with sand-paper or other similar material, and mounted on shafts which have their bearings in a revolving disk, in connection with a swivel-plate and with the adjustable revolving block, on which the hats are secured in such a manner that the pouncing-cones can be made to act on any part of the crown of the hat, and the operation of pouncing can be effected with little trouble and more perfect than by hand.

The invention consists also in the arrangement of two or more guide-cones, in combination with suitable supports and with two or more pouncing-cones, in such a manner that by the guide-cones the brim of the hat is passed automatically through between the pouncing-cones, and the brim is pounced with little trouble or loss of time.

A represents a frame, made of wood or any other suitable material, and composed of two platforms, which are united by end pieces or by suitable uprights. To the upper platform is secured a disk, B, which turns freely on a central pivot, and from this disk rise two standards, *a*, which form the bearings for the shaft C, on one end of which the block D is mounted. A pulley, *b*, serves to impart to the shaft C a revolving motion, and a spring, *c*, which extends from the periphery of the disk to a stud, *d*, in the upper platform of the frame A, has a tendency to keep said disk in the position in which it is shown in Fig. 1 of the drawings. A handle, *d'*, secured to the upper surface of

the disk B, serves to turn the same against the force of the spring, and to hold it in any position in which it may be brought.

The block D is intended to receive and retain the hats to be pounced, and it extends over an aperture, *e*, in the upper platform of the frame A. Through this aperture rises the mechanism which carries and imparts motion to the pouncing-rollers. This mechanism consists of a disk, E, which swivels on a central pivot, *f*, and from which rise two standards, *g*, which form the bearings for the shaft F, to which a revolving motion is imparted by a pulley, *h*. On this shaft is mounted a round plate, *i*, from which extend two shafts, *j*, parallel with the shaft F, as clearly shown in Fig. 1 of the drawings. On said shaft are mounted two conical rollers, *r*, which are covered with sand-paper or other suitable material. These rollers are connected to cog-wheels *l*, which gear in a central cog-wheel, *m*, mounted on the central shaft F. By these means a sun-and-planet motion is imparted to the pouncing-rollers *k*, and the sand-paper or other material covering their surface is made to act on the body and crown of the hat on the block D.

The disk E is subjected to the action of a spring, *n*, which serves to keep the pouncing-rollers in contact with the hat to be pounced, and allows the same to accommodate themselves to the curved or varying surface of the work to be pounced. A suitable lever-handle, *o*, which is secured to the disk E, enables the operator to turn said disk back against the action of the spring, and to relieve the pressure of the pouncing-rollers on the surface to be pounced. A brake, *p*, which encircles the disk E, and is tightened by a suitable clamping-screw, serves to arrest said disk in any position in which it may be brought.

By these means the body or crown of a hat can be pounced in little time and without much exertion, and the work can be executed in better style than it can be done in the ordinary manner by simple hand labor.

After the body of the hat is finished the brim is exposed to the action of the conical rollers G. These rollers are mounted on the ends of arbors *g*, which have their bearings in boxes *r*. The boxes of the lower roller are stationary; but those of the upper roller are adjust-

able by screws *s*, so that the brim passing through between said rollers can be exposed to more or less pressure.

In its passage through between the pouncing-rollers the brim of the hat is supported by suitable brackets *t*, and it is fed along by suitable feed-rollers *G*, which act in conjunction with the pouncing-rollers *G'*. By the combined action of the feed-rollers and of the pouncing-rollers the hat is caused to revolve automatically, so that all parts of the brim will be pounced, and very little, if any, hand labor is required to execute the work.

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

1. The swivel-disk *B*, carrying the block *D*, in combination with the adjustable disk *E*, carrying the pouncing-rollers *k k*, constructed and

operating substantially as and for the purpose described.

2. The gears *l m* and revolving shaft *F*, in combination with the pouncing-rollers *k k* and block *D*, constructed and operating substantially as and for the purpose set forth.

3. The brake *p*, in combination with the disk *E*, spring *n*, pouncing-rollers *k k*, and block *D*, all constructed and operating substantially as and for the purpose described.

4. The rollers *G G'* and supporting-brackets *t*, constructed and operating substantially as and for the purpose set forth.

EMILE NOUGARET.

Witnesses:

G. SANDFORD,
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