

S. GOODMAN.

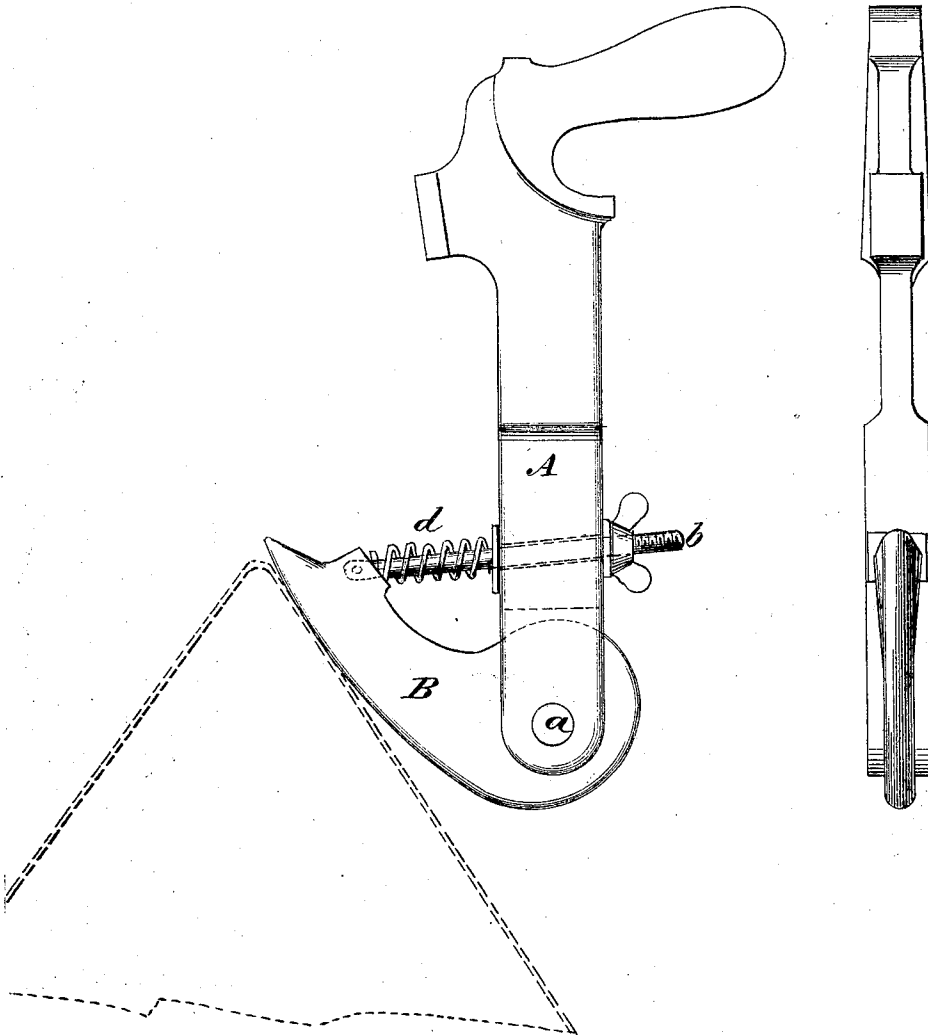
Hat-Stretching Machines.

No. 135,112.

Patented Jan. 21, 1873.

Fig. 1.

Fig. 2.



Witnesses:

John Becker
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Inventor:

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UNITED STATES PATENT OFFICE.

SAMUEL GOODMAN, OF NATICK, MASSACHUSETTS.

IMPROVEMENT IN HAT-STRETCHING MACHINES.

Specification forming part of Letters Patent No. **135,112**, dated January 21, 1873.

To all whom it may concern:

Be it known that I, SAMUEL GOODMAN, of Natick, in the county of Middlesex and State of Massachusetts, have invented a new and Improved Hat-Stretching Apparatus, of which the following is a specification:

Figure 1 is a side view, and Fig. 2 an edge view, of my improved hat-stretching apparatus.

Similar letters of reference indicate corresponding parts.

This invention has for its object to improve the hat-stretching apparatus which is described in the patent of Rudolph Eickemeyer, issued February 28, 1865, numbered 46,553, and reissued December 1, 1868, numbered 3,217; and the invention consists in the use of inclined spring-jaws or pressure-blocks in place of the rollers described in the aforementioned Letters Patent for stretching the hat-bodies on the cone. These jaws, being curving and having a long contact surface, will stretch the hat from the tip downward and will not tear it.

The chief objection against the use of said rollers is that each of the same touches the hat-body tangentially, and consequently only at one point, thus giving a tendency to tear the hat-body, and not stretching it at the tip.

In the drawing, the letter A represents the jaw-holder, which is a suitable pendent arm on the platform of the stretching-machine.

To the lower end of the same is pivoted, by a pin, *a*, the pressure-jaw B, from which a rod, *b*, extends through the holder A, and which is, by a spring, *d*, held away from said holder against the hat-body that is placed on the cone, as indicated by dotted lines in Fig. 1. The vertical upward movement of the cone will cause the jaw which constantly presses against the same to stretch the hat-body in proper manner, there being a series or several series of such jaws around the cone.

It will be observed from the shape of the jaw B that the same may be applied against any part of the hat-body from the tip downward, so that the same may be properly stretched throughout without exposing any one part, as was heretofore done, to pressure in excess of that to which any other part of the hat-body is subjected.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A jaw, B, for hat-stretchers having a curved convexity on its working-face, and on its rear face end a spring-rod connecting it with arm A, as described, so that the hat may be stretched from the tip downward.

SAMUEL GOODMAN.

Witnesses:

E. T. TURNER,
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