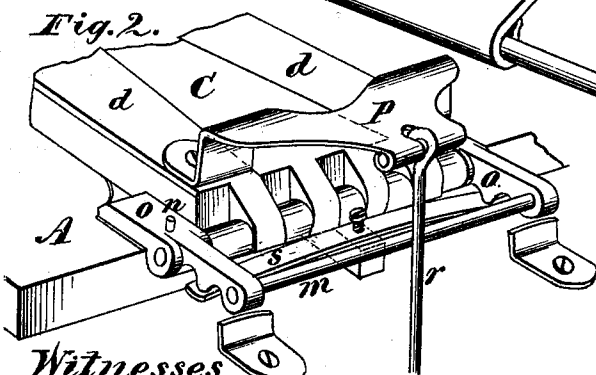
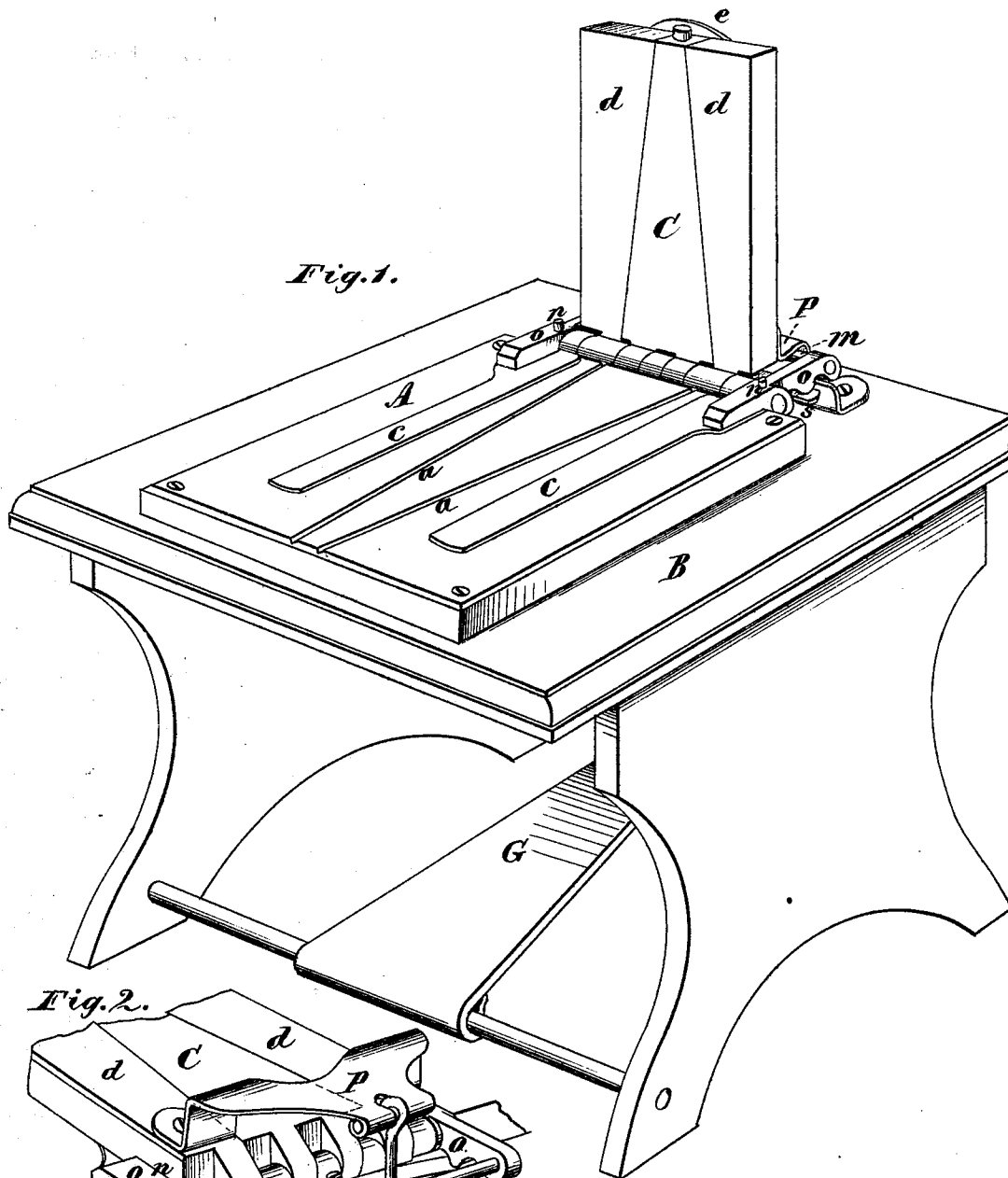


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JOSEPH WALDEN.
Machine for Goring Gaiters.

No. 126,598.

Patented May 7, 1872.



Witnesses
Jno. D. Patten
J. C. Waldman

Inventor.
Joseph Walden.
By James L. Norris.
Asso. Atty.

UNITED STATES PATENT OFFICE.

JOSEPH WALDEN, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN MACHINES FOR GORING GAITERS.

Specification forming part of Letters Patent No. 126,598, dated May 7, 1872.

To all whom it may concern:

Be it known that I, JOSEPH WALDEN, of Newark, Essex county, State of New Jersey, have invented a new and Improved Machine to be used in the Manufacture of Ladies' or Gentlemen's Congress or Elastic Gaiters; and I do declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawing and to the letters of reference marked thereon and forming a part of this specification.

In the drawing, Figure 1 represents a perspective view of my improved machine for making elastic gaiters; Fig. 2, a detached view of part of the same.

The object of my invention is to lessen the labor and thus facilitate the manufacture of ladies' or gentlemen's congress or elastic gaiters; and consists in a solid platform or plate, A, firmly secured to a suitable table, B. On the top or face of said plate A, and crossing it obliquely, are two grooves, *a a*, the object of which will be hereinafter set forth. To the back end of said plate A are hinged a press or guide plate, C, and press-plates *d d*; said press-plates *d d* being united at the front or top ends by a thin plate, *e*, which is secured to the aforesaid plates *d d* by screws. In the end of the guide-plate C is a spring-catch, which, when required, catches on the plate *e* and holds said guide-plate between the press-plates *d d*. Extending nearly across and pressing lightly against the face of the plate A are two light spring-plates, *c c*, which are secured at the back ends to suitable levers *o o*, said levers being secured to the pin *n*, which forms the pivot to the hinge on the back end of the plate A. The long arms of said levers *o o* are connected together by means of a rod, *m*. At the rear of the plate A, and pressing upward against the levers *o o*, is a spring, *s*, which serves to keep the spring-plates *c c* bearing against the face of the plate A. Secured to the back ends of the plates *d d* is a plate, P, connected with a treadle, G, beneath the table, by means of a rod, *r*; said plate P being so formed as that when the treadle is pressed downward, bringing the press-plates *d d* in a

vertical position, it bears upon the rod *m*, when, by a slight increase of pressure upon the treadle G, the levers *o o* are forced downward, thereby raising the spring-plates *c c*, for purposes hereinafter shown.

Having thus described the construction of my machine, I will now proceed to describe its operation.

In the first place the operator, being seated in front of the machine, will, by pressing upon the treadle, or by hand, raise the plates *d d* and C to an upright position, and, by pressing gently upon the treadle, raise slightly the spring-plates *c c*, and slipping the lining of the gaiter beneath the said plates *c c* so that the parts to which the elastic gore is fastened covers the grooves *a a*, when the spring-plates *c c* are released, and pressing upon the lining holds it in its place. The lining is then creased in the grooves *a a* and the edges folded on a line with said grooves. The elastic gore is then placed on the lining, the edges of the parts being first properly gummed, and the press or guide plate C is let down upon the gore, leaving a margin on each side of it—say, a quarter of an inch. The outside pieces are then placed in position with the edges against the guide-plate C, when the press-plates *d d* are let down upon them, pressing the parts together and securing them. When sufficiently dry, the plates *d d* and C and the spring-plates *c c* are raised and the goods removed.

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

1. The grooved platform A, substantially as and for the purposes herein set forth and described.
2. In combination with said platform A the spring-plates *c c*, substantially as and for the purposes herein set forth and described.
3. In combination with the platform A the plates *d d* and C, substantially as and for the purposes herein set forth and described.

JOSEPH WALDEN.

Witnesses:

OLIVER DRAKE,
JAS. HINCHCLIFF.