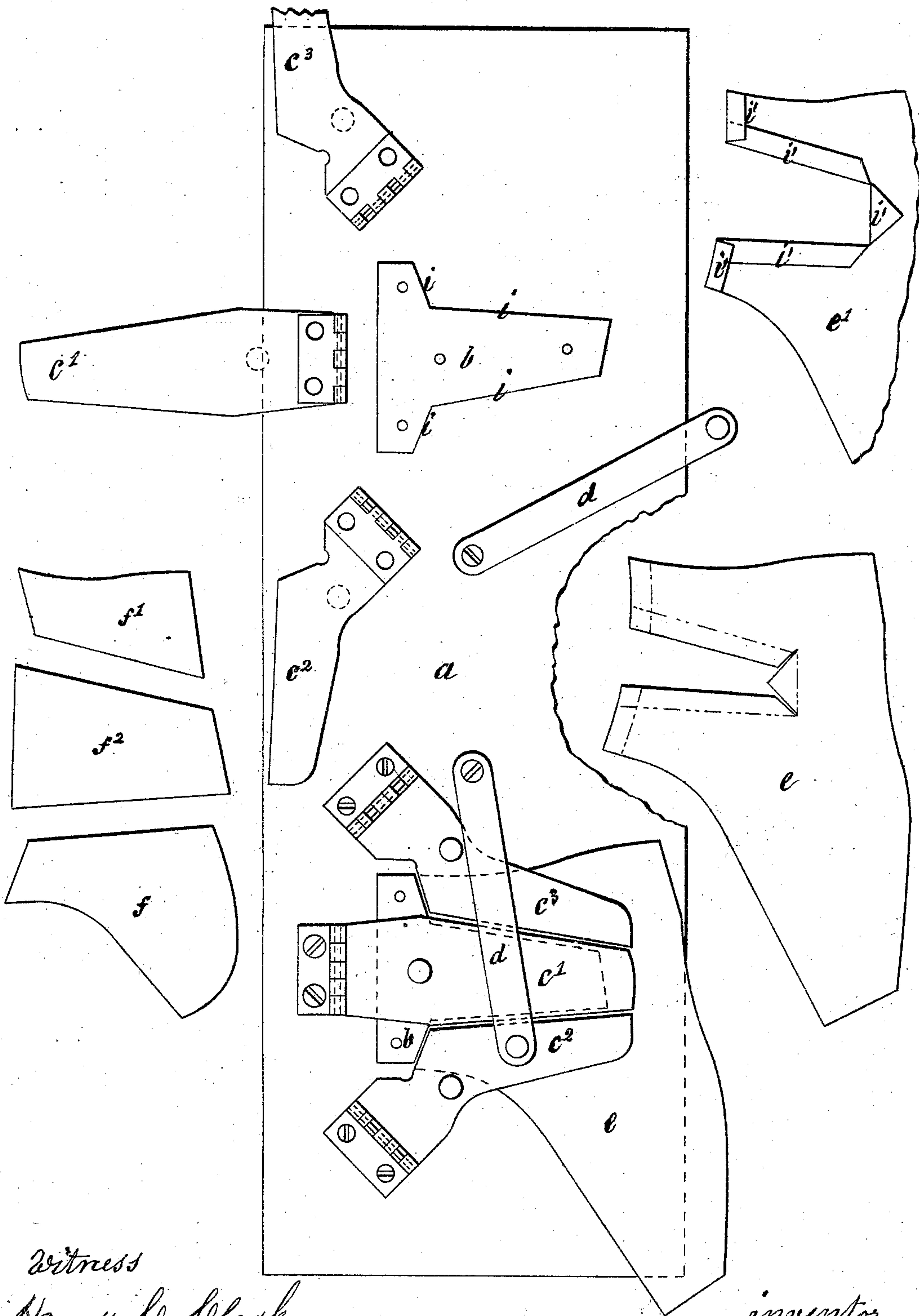


P. E. CLARK.

Machines for Gumming Shoe Uppers.

No. 143,275.

Patented September 30, 1873.



Witness

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PETER E. CLARK, OF HARTFORD, CONNECTICUT.

IMPROVEMENT IN MACHINES FOR GUMMING SHOE-UPPERS.

Specification forming part of Letters Patent No. **143,275**, dated September 30, 1873; application filed June 13, 1873.

To all whom it may concern:

Be it known that I, PETER E. CLARK, of the city and county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Machine for Gumming the Parts of Shoe-Uppers together in their proper and uniform position preparatory for sewing; and to enable others skilled in the art to make and use the same I will proceed to describe, referring to the drawings, in which the same letters indicate like parts in each of the figures.

The nature of this invention will be understood from the specification and drawing.

a is a tablet of wood or other material, having two sets of gages, *b*, holding-flaps *c*, and clamp *d*, made right and left, and secured thereon. The gage-plate *b*, when made in the required size and shape, is secured by screws or pins to the tablet *a*. The hinge-flaps *c*¹, the elongated portion of which is about the same shape of the elongated portion of the gage, are secured to the tablet by screws or pins just above the gage, so that when turned down their edges will be about uniform, one with the other. The flaps *c*² *c*³ are made and provided with slide-hinges, and are made of such shape as to nearly fill the depression of the gage, and are secured by the slide-hinge joints at an angle of about forty-five degrees with the gage *b* and hinged flap *c*¹. *d* is a swing-clamp secured by a bolt or screw to the tablet, so that when all parts of the upper are prepared and arranged by placing this clamp over the flaps, the work will be held in its place; but it is believed that ordinarily it will not be required.

Now, after the machines are thus made, and the parts of the upper of the shoes are prepared in readiness for being put together—viz: The lining *e*, of the shape substantially as shown, of cloth or other material, fronts *f*,

backs *f*¹, of leather, &c., and elastic gore *f*²; then throw open all the flaps; place the lining *e* upon the gage-plate *b*, so that the edges (shown by dotted lines) shall overlap the edges *i* of the plate *b*; then turn down the flaps *c*² *c*³ onto the lining, press them down, and slide them up closely to the gage *b*, which will raise the edge of the lining and allow it to be turned over, as shown by *i'* in *e'*; then, after having gummed the edges of the elastic gore *f*² on both sides of both edges, place it (the gore) directly over the laps *i'*, and even with the upper edges of the fold of the lining; then turn down the flap *c*¹ onto the gore; slide down and turn back the flaps *c*² *c*³; then place the back edge of the front *f* against the edge of the flap *c*¹, and upon the edge and even with the upper end of the gore *f*²; then place the edge of the back piece *f*¹ against the edge of the flap *c*¹, and upon the edge and even with the upper end of the gore, slide up the flap *c*³, (allowable by means of slide-hinge,) and turn down onto the work; and, if at any time it may be desirable, place the clamp *d* over the flaps. This completes the operation of gumming to prepare the work for sewing.

I believe I have thus shown the nature, construction, and advantage of this invention, so as to enable others skilled in the art to make and use the same therefrom.

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

The gore setting and gumming apparatus consisting of the tablet *a*, gage-plate *b*, hinge-flap *c*¹, in combination with the sliding plates *c*² *c*³, with or without the clamp *d*, all arranged and operating as shown and described.

PETER E. CLARK. [L. S.]

Witnesses:

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