C. C. Wilson,

Hoop Skirt Machine.

No. 102638. Patented May 3. 1870.

Fig 1.a.

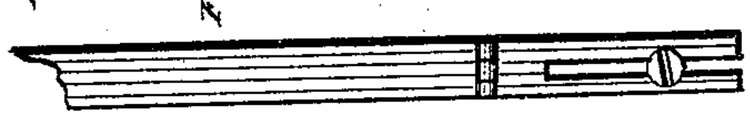

Fig 2.

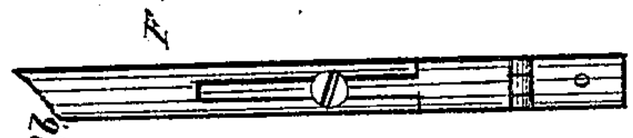

Fig 2.b.

Fig 3.

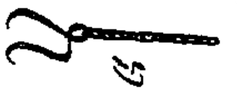

Fig 1.

Witnesses

G. F. Lyon

P. C. Smith

Inventor.

C. C. Wilson,

UNITED STATES PATENT OFFICE.

CHARLES C. WILSON, OF BALTIMORE, MARYLAND.

IMPROVEMENT IN FORMER FOR HOOP-SKIRTS.

Specification forming part of Letters Patent No. **102,638**, dated May 3, 1870; antedated April 18, 1870.

To all whom it may concern:

Be it known that I, CHARLES C. WILSON, of Baltimore, Maryland, have invented an Improved Adjustable Form for Hoop-Skirts; and I do hereby declare that the following is a clear and exact description thereof, reference being had to the drawings making part of this specification, and to the letters of reference marked thereon.

In the drawings, Figure I is a side view, and Figs. II and III detail views, of parts of the same.

My invention consists in so constructing a form for the manufacture of hoop-skirts that it may be quickly and easily adjusted to enable any size or shape of skirt to be made upon it.

In construction I form my device of a shaft, B, firmly attached to the base-block or bottom of the form K at one of its ends, and having the other let into the band-block D, so that the waist or band block may revolve upon it.

I construct my waist-block of two separate parts, each part consisting of two pieces of wood of semicircular shape joined together, so that a portion of the lower part of one piece of the block will act as break-joints when the block is pushed open to increase the size of the waistband to be manufactured. These shoulders, together with a slide, M, on the top of the waist-block D, and rigidly attached to one half of it, keep the other half from working in its place. The slide M runs in a slotted piece of metal, T, attached to the other half of block, and is regulated by a thumb-screw, K′.

Hinged at their ends to the lower part of the circumference of the band-block D are the ribs C, as many as are necessary, and so hinged as to move in a direction from the center of the band-block outward. These ribs C are, near their lower ends, hinged to braces or strips F, which strips are hinged at their other or upper ends to a sleeve, E, sliding on the center shaft, B, and regulated by a thumb-screw through its neck. The strips F may either have slots in their ends where attached to their ribs at *g*, or may have slots in the center of them, in both cases regulated by a set-screw. Near the lower end of each rib I place a hook, G, with two prongs, attached to a cord which runs down the rib through staples for guides until fastened by being wound around a screw in the end of the rib.

In operation the adjustable band-block may be drawn out to make any-sized waistband for skirts without its being necessary to increase the circumference of the bottom of the form, and by simply moving the sleeve E upon the shaft B up or down the size of the skirt is uniformly and evenly increased or diminished, while the relative position of such rib may be changed by the slot and screw at *g*, thus allowing every possible variation of size and shape to be made without loss of time.

The braces F, ribs C, and shaft B may be made out of either metal or wood, though wood is sufficiently strong and much cheaper.

Now, having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

The combination of the hinged ribs C, adjustable waist-block D, sliding sleeve E, hinged and adjustable braces F, and shaft B, the parts being arranged and constructed as and for the purpose herein shown.

C. C. WILSON.

Witnesses:
R. F. HYDE,
EDM. F. BROWN.