

*H. Schultz,  
Hoop Shirt.*

*No. 109,947.*

*Patented Dec. 6. 1870.*

FIG. 2.

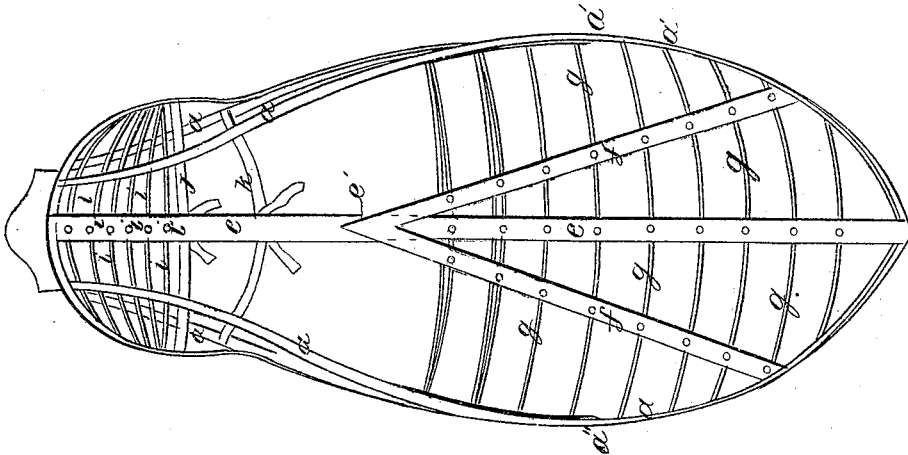
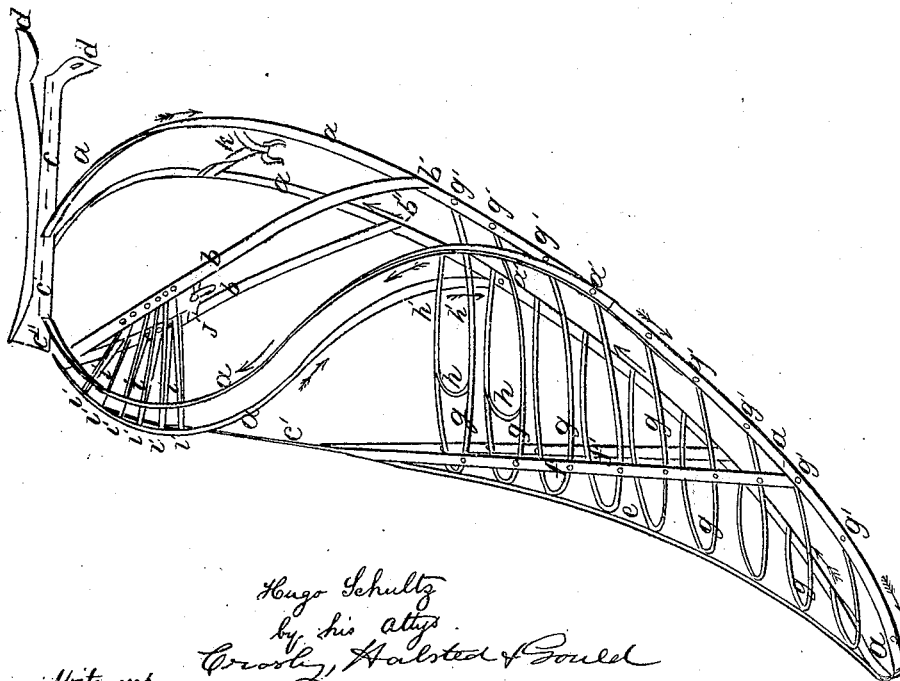


FIG. 1.



*Hugo Schultz  
by his attys.  
Crossby, Halsted & Gould*

*Witnesses.  
H. B. Kidder  
H. W. Frothingham*

# United States Patent Office.

HUGO SCHULTZ, OF PARIS, FRANCE.

Letters Patent No. 109,947, dated December 6, 1870.

## IMPROVEMENT IN SKIRTS.

The Schedule referred to in these Letters Patent and making part of the same.

### *To all whom it may concern:*

Be it known that I, HUGO SCHULTZ, of Paris, in the Empire of France, have invented a new and improved Ladies' Skirt; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawing making a part of this specification, in which—

Figure 1 is a side view, and

Figure 2 a back view of my improved skirt.

The object of this invention is to be able to replace the old skirt or crinoline by a novel kind and form by which I do away with all its inconveniences and augment considerably its advantages.

My novel system, disposition, or form is composed in the first place of a band or spring, *a*, of metal or any other suitable substance, covered with cloth or any other appropriate stuff, and which, starting from a point, *a'*, describes the figure represented by the arrows and terminates at the point *a''*, as is clearly represented in the drawing in fig. 1.

This band or strip *a*, which forms the basis or foundation of my skirt, and which can be increased, diminished, or modified in shape, and which alone offers the necessary resistance for supporting the dress, is disposed so as to let all the front open, and is maintained or kept in its position by another metallic or other band, *b*, to which it is affixed by a few stitches, at the parts *b'* and *b''*.

*c* is a third metallic band, disposed horizontally and attached to *a* at *c'* and *c''*, being open in front like this latter.

This band, covered with any kind of stuff, serves as a waist-band, in order to fix the skirt around the body, its extremities being with that view furnished with tongue-pieces, *d d*.

*e* is a tape, which, starting from the center of the band *c*, is carried down to the bottom of band *a*, and at *e'* of this tape are affixed two other tapes, *f* and *f'*, which are made to unite, as is clearly seen in fig. 2, with the band *a* at each side of the said tape *e*.

These three tapes serve to maintain in place a series of slight horizontal springs, *g g g*, which are

united at *g' g' g'*, to the main band *a*, as is represented, the two upper or superior springs being moreover reinforced by two other springs, *h h*, which are each of them composed of two sliding pieces sliding one on the other by means of the slides *h' h'*, and thus any adjustment wished for can be given to the skirt.

*i i i* are small springs employed to give a graceful form to the top part of the skirt, and to this end they are united by eyelets *i' i' i'*, at regular distances, to the band *b*.

*j* is a tape, made adjustable by means of a buckle, and serving to unite the two sides of the metallic band *b*, which it thus adjusts against the back of the wearer, while

*k* is a second tape, equally furnished with a buckle, which is employed to unite together the two front parts of the band *a*, either in front or behind the wearer, as may be deemed most convenient.

It will be observed that by means of this improved system or disposition of the parts I obtain not only an article extremely light, but one which, while it sustains and gives grace to the dress does not in the least impede the movements of the wearer while walking, and permits of her sitting down with the greatest ease and facility.

Although I have described and represented my improved system as applied to an open skirt, I do not in any way intend to limit myself to this kind of garment, as it is clear that I can cover the same with any kind of stuff, either cotton, silk, wool, &c.

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

1. A crinoline-skirt, based upon the form or frame made by the metallic wire or band *a*, disposed as described.

2. In combination with the band *a''*, the bands *b j*, and *i i i*, for adjusting the set of the crinoline-skirt, as described.

HUGO SCHULTZ.

Witnesses:

A. HORACE BRANDON,  
WM. MORGAN BROWN.