

G. SCHILLING.
Gloves.

No. 218,322.

Patented Aug. 5, 1879.

Fig: 1.



Fig: 2.

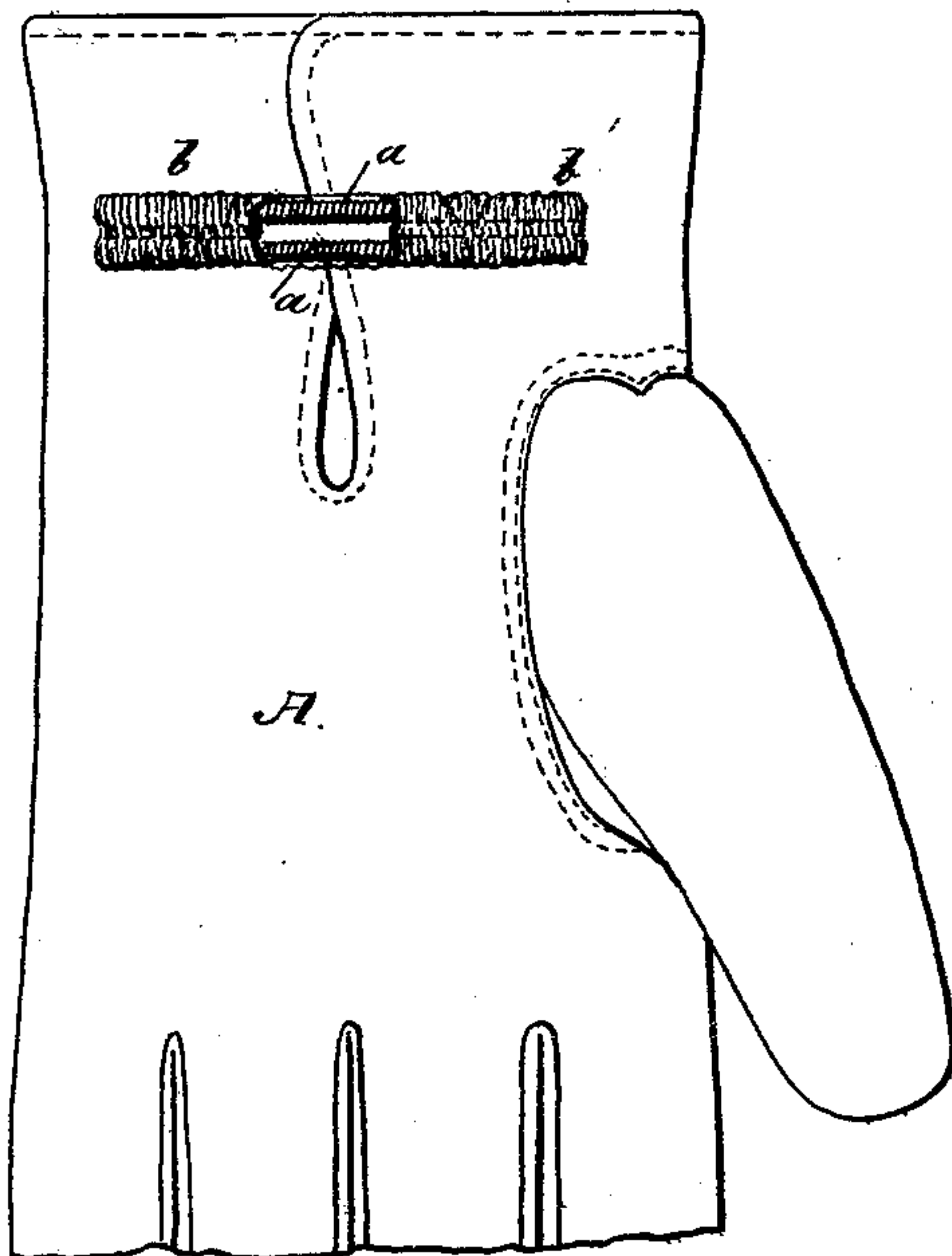


Fig: 3.

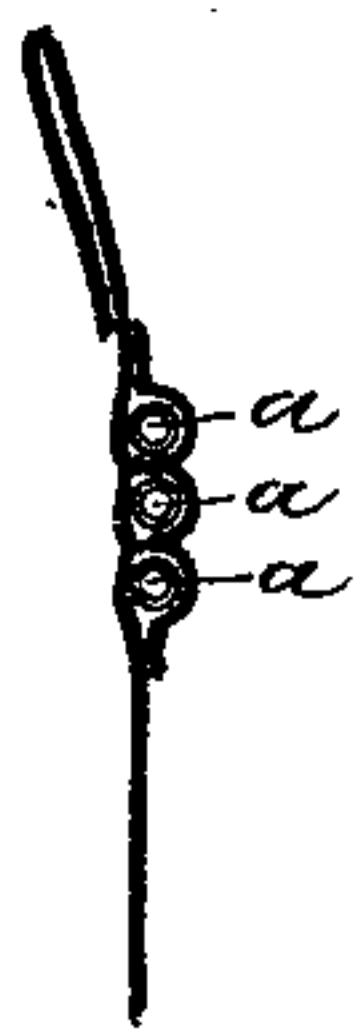
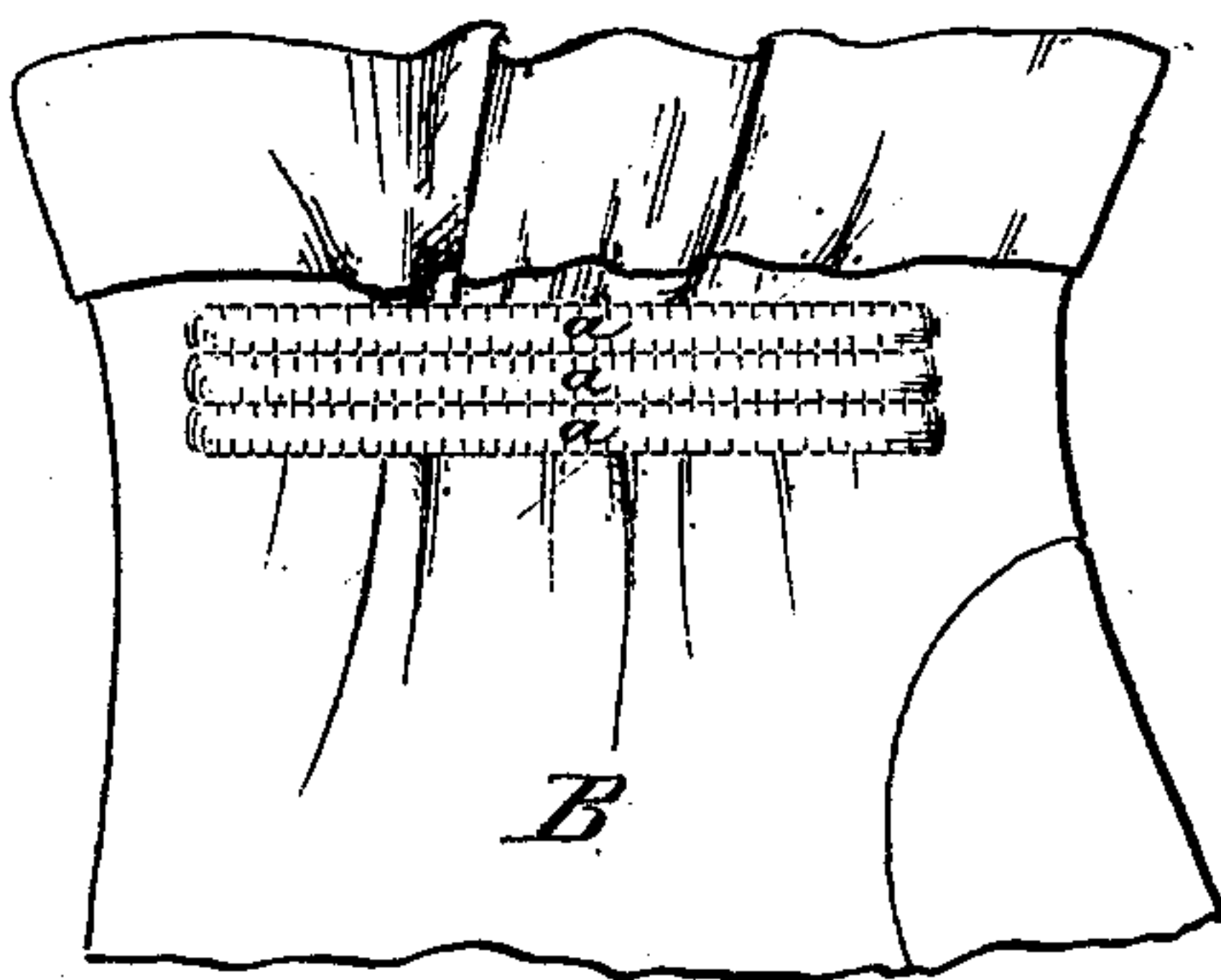


Fig: 4.



Witnesses.
Ernst Jenson
Emil H. Frommard

Inventor.
Gustav Schilling
By Wm H Lotz
Attorney

UNITED STATES PATENT OFFICE.

GUSTAV SCHILLING, OF CHICAGO, ILLINOIS, ASSIGNOR OF ONE-HALF HIS
RIGHT TO SIMON FLORSHEIM, OF SAME PLACE.

IMPROVEMENT IN GLOVES.

Specification forming part of Letters Patent No. **218,322**, dated August 5, 1879; application filed
February 1, 1879.

To all whom it may concern:

Be it known that I, GUSTAV SCHILLING, of Chicago, in the county of Cook and State of Illinois, have invented a certain new and useful Improvement in Gloves; and I do hereby declare the following to be a full, clear, and exact description thereof, which will enable those skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

This invention relates to an elastic attachment to the rear end of gloves, so as to allow a sufficient expansion of the same for admitting the hand, and then by contraction to make a close fit around the wrist of the hand, whereby clasps and buttons are done away with; and it consists in a series of small coil-springs inclosed in finely-wrinkled leather tubes, and attached with their ends across the wrist portion of the glove.

In the drawings, Figure 1 represents an elevation of a glove with a slitted wrist portion and with my elastic attachment. Fig. 2 shows a section of the same. Fig. 3 represents a glove with an endless wrist having my elastic attachment; and Fig. 4, a section of the same.

a a are a series of springs, made of very fine brass wire, coiled upon a small mandrel, so that their spirals are successively in close contact with each other. These springs, being cut off to their required lengths, are inserted into flexible and yielding tubes *b*, made by uniting two sheets or strips of thin leather with parallel seams of stitching, so as to form a tube between two such seams. These leather tubes are made about twice the length of the springs, and are contracted over the springs, so as to form a multitude of small wrinkles, which will open with the expanding of said springs, and will not impede their elasticity, and yet will hide and protect the same against injury. The ends of these springs *a* are secured into the leather tubing *b* and to the glove *A*, across the slit on the wrist portion of the same, as shown in Fig. 1.

In Fig. 3 is shown a glove, *B*, which is made wide enough for the hand to enter its rear end. In such gloves I place the springs *a*, between the material and the lining, in a similar manner as above described, so that these springs will draw the said glove material into numerous small wrinkles for tightening the same around the wrist.

The number of springs to be applied or the size of the same may be varied to suit the quality and size of glove.

I am aware that elastic woven bands, straps, or gores are well known and have long been used in gloves, such bands, straps, or gores being composed of india-rubber strands, upon which, when under tension, a filling of small threads has been woven; and I therefore disclaim the invention, broadly, of an elastic attachment for the purposes mentioned.

I am also aware of the shoe-fastenings of Fitch and Jones, composed of a spiral spring coiled around an elastic core, and permanently secured to the shoe at one end only; and therefore I disclaim the invention, broadly, of a spiral-spring coil to be used for gloves in the manner described by me.

I am also aware that in an English Patent, No. 3,451 of 1866, there is described an elastic gore for shoes, composed of leather, divided by stitches into numerous tubes, through which, when wrinkled, a small india-rubber strand is threaded back and forth; and I therefore disclaim the invention described in such English patent.

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

The combination, with a glove, of a series of spiral metal springs, *a*, inclosed in separate puckered tubes, and permanently attached at both ends to the wrist portion of the glove, constructed substantially as described and shown.

GUSTAV SCHILLING.

Witnesses:

EMIL H. FROMMANN,
GEO. FROMMANN.