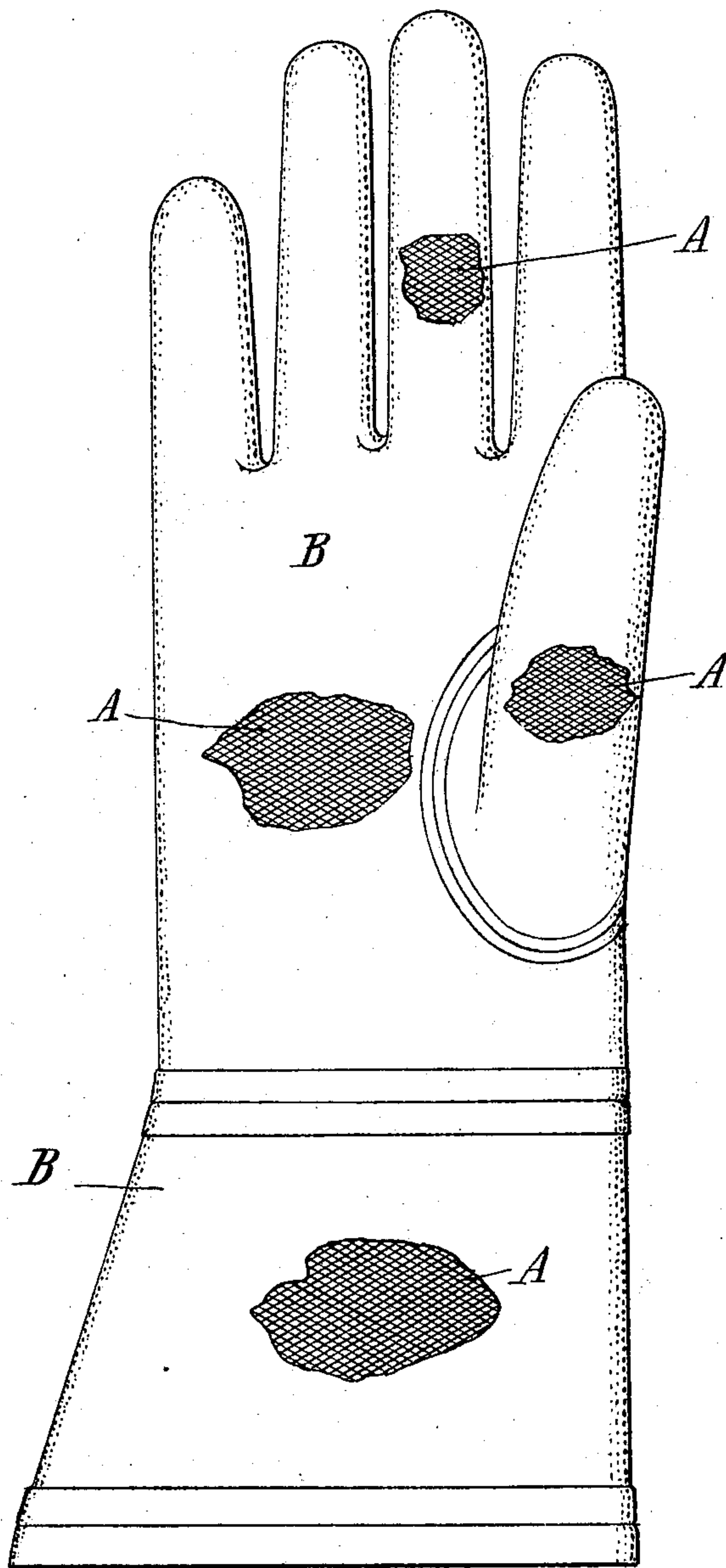


(No Model.)

A. H. ALDEN.
RUBBER GLOVE.

No. 599,677.

Patented Mar. 1, 1898.



Witnesses:
M. Lawson Dyer.
Benjamin Meiler.

Adelbert H. Alden, Inventor
by Wm. Curtis & Co. Attys.

UNITED STATES PATENT OFFICE.

ADELBERT H. ALDEN, OF LAWRENCE, NEW YORK.

RUBBER GLOVE.

SPECIFICATION forming part of Letters Patent No. 599,677, dated March 1, 1898.

Application filed November 26, 1897. Serial No. 659,724. (No model.)

To all whom it may concern:

Be it known that I, ADELBERT H. ALDEN, a citizen of the United States, residing at Lawrence, in the county of Queens and State of New York, have invented certain new and useful Improvements in Rubber Gloves, of which the following is a specification, reference being had to the drawing accompanying and forming a part of the same.

My present invention is an improvement in gloves composed of vulcanized india-rubber with a backing or lining of fabric. Gloves of this general description are a well-known article of manufacture; but their use is practically limited to those purposes in which their waterproof and similar properties are indispensable, for the reason that as heretofore made they interfere so seriously with the free movements of the hands and fingers of the wearers. These gloves are usually composed of a fabric known as "stockinet," coated with india-rubber; but whether the fabric be what is strictly known as "stockinet" or some other similar material the finished glove is made so as to be incapable of material stretch or yield except in one direction—viz., transversely or across the hand or fingers.

In making my improved gloves I employ a fabric which in at least one direction has considerable elasticity, and this I apply so that the direction of stretch will be lengthwise with the glove, so that on the hand the glove will be most elastic in the direction of the fingers. I prefer, however, to use as the fabric a loosely-woven material in which the component strain-resisting threads run obliquely to each other and in which the line of stretch is oblique to the lines of threads. Any of the well-known fabrics of this description

now in use will serve for this purpose. This fabric is applied in the glove so that its line of greatest elasticity will be in line with the fingers or lengthwise of the glove. A glove thus made is easy to put on and take off. It does not interfere with the free opening and closing of the hand and fingers nor the grasping of small objects by the hand which it covers.

In the drawing I have shown in side elevation a glove with the fabric exposed at several points to show the direction of the line of stretch.

The fabric A is coated with rubber B in any well-known manner and then cut up and made up into gloves in the usual way. The fabric shown is applied in such manner that its threads run obliquely to the length of the hand and fingers of the glove, and a glove made in this manner is superior in many respects to those heretofore manufactured.

What I claim is—

1. A glove composed of india-rubber backed or lined with a fabric, which is extensible or elastic in the direction of the length of the glove, as set forth.

2. A glove composed of india-rubber backed and lined with pieces of a woven fabric applied in the finger and hand portions so that their component threads run obliquely in opposite directions to the length of such portions whereby the lines of greatest stretch or extensibility are lengthwise of the hand and fingers, as set forth.

ADELBERT H. ALDEN.

Witnesses:

DRURY W. COOPER,
M. LAWSON DYER.