

A. M. SCHNEIDER.

ARMOR.

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1,021,804.

Patented Apr. 2, 1912.

Fig. 1.

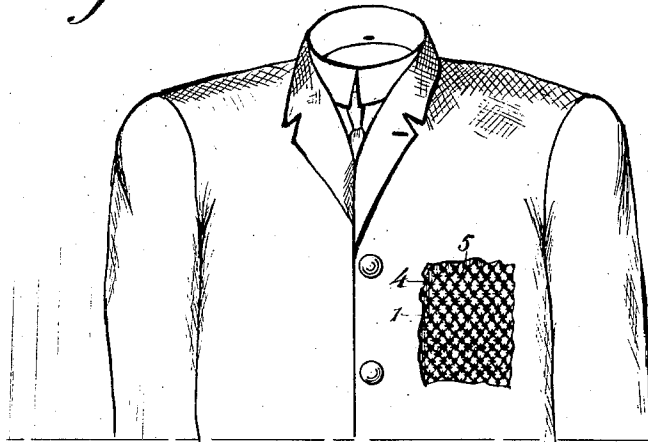


Fig. 2.

Fig. 3.

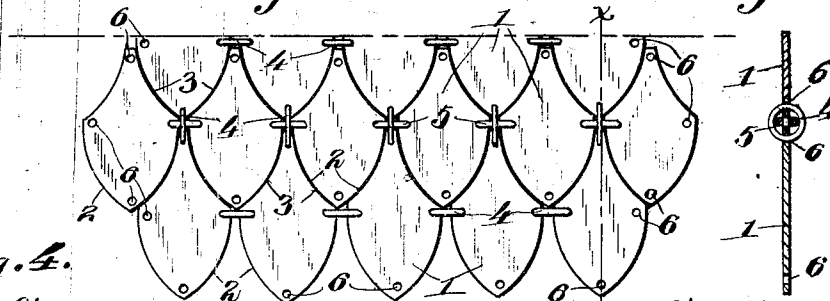


Fig. 4.

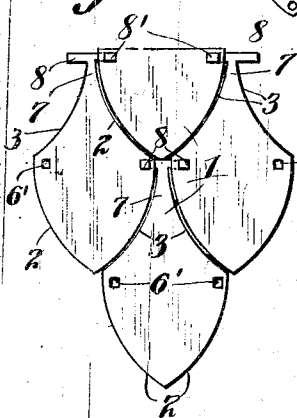


Fig. 5.

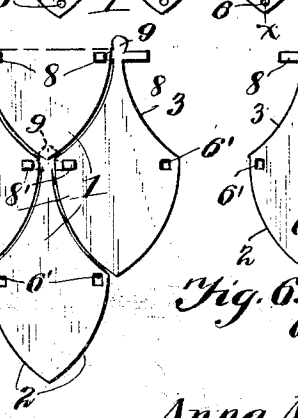
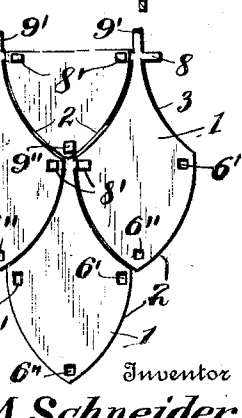


Fig. 6.



Witnesses

William C. Linton,
H. S. Austin

Anna M. Schneider.

By *Joshua R. Potts.*

Attorney

UNITED STATES PATENT OFFICE.

ANNA MARGARETHA SCHNEIDER, OF LOS ANGELES, CALIFORNIA.

ARMOR.

1,021,804.

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To all whom it may concern:

Be it known that I, ANNA M. SCHNEIDER, a citizen of the United States, residing at Los Angeles, county of Los Angeles, and State of California, have invented certain new and useful Improvements in Armor, of which the following is a specification.

My invention relates to protective vests or armor adapted to be worn by policemen, and others to protect the vital parts of the body from bullet and knife wound.

The object of my invention is to provide a device of the class mentioned which shall be of light weight, sufficiently flexible to be worn with comfort and which shall effectually prevent the wearer from receiving wounds to the parts of the body protected thereby.

Other objects will appear hereinafter.

In carrying out my invention I form the armor of a plurality of small metal plates suitably connected. The plates are assembled preferably with abutting edges and the edges are curved in order to prevent a knife from being inserted between them. To facilitate manufacturing and assembling the parts of the device they are preferably made of uniform shape and size.

My invention further consists in various details of construction and arrangements of parts all as will be fully described hereinafter and particularly pointed out in the claim.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification and in which—

Figure 1 is a front view of the upper portion of a man's wearing apparel illustrating the armor arranged beneath the coat, Fig. 2 is an enlarged view of a portion of the armor, Fig. 3 is a section on the line $x-x$ of Fig. 2, Fig. 4 is an elevation of a portion of an armor illustrating a modified form of the same, Fig. 5 is a similar view of a further modification, and Fig. 6 is a similar view of a still further modification.

An armor embodying my invention may

be of any size or form to protect as much of the body as desired, but my invention relates particularly to the plates of which the armor is formed and the manner of connecting the same.

Referring now to the drawings 1 indicates the plates which are of similar shape and size and assembled edge wise. By assembling the plates edge wise, that is with abutting edges, the device may be made much lighter in weight than when made with overlapping edges.

The abutting edges of the plate are curved as at 2 and 3 which makes it more difficult for a knife to penetrate between the plates than when the edges are straight. I prefer to form the plates of similar size and shape and to this end they are preferably of general quadrilateral form arranged on the diagonal, with the two upper edges concave and the two lower edges convex. By constructing the device of similar quadrilateral plates with the lines of abutment of the edges intersecting, the corners of four plates are in juxtaposition at each intersection. As shown in Figs. 2 and 3 the diagonally opposite corners are connected by links 4 and 5 which pass through small perforations 6 formed in the corners of the plates to receive them. The crossed links 4 and 5 also prevent the insertion of a weapon at these points where the lines of division between the plates intersect.

In Figs. 4, 5 and 6, I have illustrated modified means for connecting the plates, said means being formed integrally with the respective plates 1. The concave edges 3 of each plate form a narrow upwardly projecting tongue 7 from which project laterally tongues 8 which are extended through apertures 6' in the lateral corners of the plates and then bent down as at 8'. As illustrated in Fig. 5 the upper corner of the plates may be formed with small projections 9 which extend under the lower corner of the plate above thereby preventing depression of the lower corner of the plate. In Fig. 6 I have illustrated the projection as

a tongue 9' which is extended through an aperture 6'' in the lower corner of the plate above and then bent downwardly as at 9''.

Having described my invention what I
5 claim as new and desire to secure by Letters Patent is:

An armor formed of a plurality of metal plates assembled edge wise, each of said plates being quadrilateral and two of the
10 edges being concavely curved and the other two convexly curved, the convex edges of

each plate fitting into the concave edges of the next adjacent plates, substantially as described.

In testimony whereof I have signed my
name to this specification in the presence of
two subscribing witnesses.

ANNA MARGARETHA SCHNEIDER.

Witnesses:

VINNIE GOODWIN,

W. NORRIS BUCKLIN, Jr.