428-911
PWE40
SR
XR 1,163,094

J. KUREK.
SHIELD.
APPLICATION FILED JULY 6, 1915.

1,163,094. Patented Dec. 7, 1915.

FIG 1.

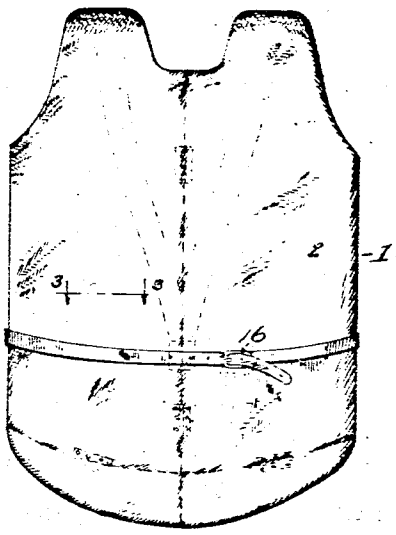


FIG 2.

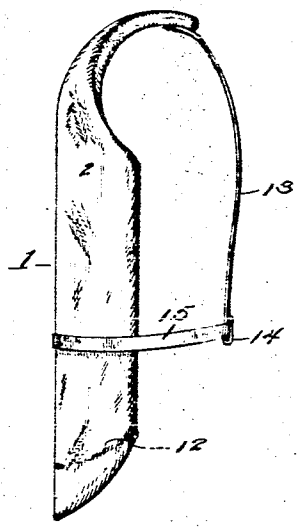


FIG 3.

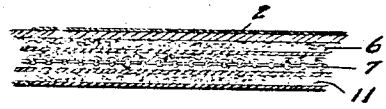


FIG 4.

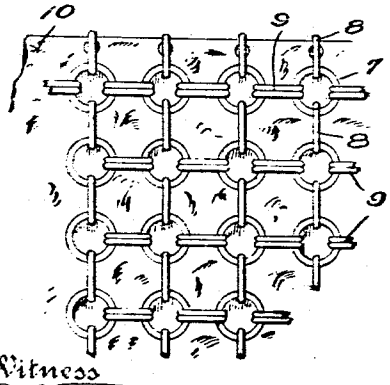
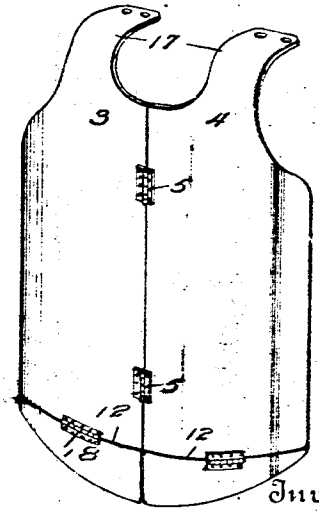


FIG 5.



Witness
W. Wagner.
John A. Saul

By

Inventor
Jan Kurek,
Edwin C. Brandenburg,
Attorney.

UNITED STATES PATENT OFFICE.

JAN KUREK, OF WOODLAWN, PENNSYLVANIA.

SHIELD.

1,163,094. Specification of Letters Patent. Patented Dec. 7, 1915.

Application filed July 6, 1915. Serial No. 38,391.

To all whom it may concern:

Be it known that I, JAN KUREK, a subject of the Emperor of Austria-Hungary, residing at Woodlawn, in the county of Beaver and State of Pennsylvania, have invented certain new and useful Improvements in Shields, of which the following is a specification.

My invention relates to shields, and more particularly to that class of shields designed to protect human beings who are exposed to danger, such as soldiers, policemen, or others of like calling, the device operating to deflect or stop any shot or weapon used against the same.

In constructing my invention I not only make an effective shield, but the same is light, durable, may be easily and cheaply manufactured, and may be applied to any portion of the body of the wearer without impeding his movements and effectiveness as a soldier.

In the drawings forming a part of this invention, and in which like symbols of reference represent corresponding parts in the several views:—Figure 1 is a front view, showing the straps in position; Fig. 2 a side view of the device, showing the straps in position; Fig. 3 an enlarged section showing the different materials composing the invention; Fig. 4 an exaggerated detail portion of the chain; and, Fig. 5 a detail perspective view of the plate detached from the garment.

In the drawings the numeral 1 represents the shield; 2 the canvas covering the same; 3 and 4 the two sections of the metal portion composed of copper or zinc plate; 5 the hinges connecting the sections; 6 is raw cotton or the like; and 7 a burnishing chain made of hard metal, and having the single links 8 and the double links 9.

10 are a series of leather sections, the same preferably composed of dog hide or finished pig leather, the metal links being connected to and held in place by the same. Next to the leather I again use raw cotton or the like, 11. For infantry I use the shield as shown, but for cavalry the lower portion designated by the line 12 is taken off. Also when the invention is used on any portion of the body not rigid the metal plate may be dispensed with for the chain is strong enough to resist bullets and the like, the double links, as will be observed are at right angles to the face of the shield, or the leather used in the same.

My invention, as before stated, may be made without the metal plate, and the sections of leather shown, may, if desired, be composed of one piece. No ordinary weapon could penetrate the shield even without the plate, but the same is a necessary precaution against powerful explosives. When the shield is struck by a missile it not only stops the same, but the impact is so cushioned and dissipated that the wearer receives no shock whatever.

The device is held on the wearer by means of shoulder straps 13, having a loop at the base 14; a body strap 15, connected by a buckle 16, and 17 is a curved shoulder portion to hold the shield on the wearer.

18 are hinges connecting the base piece to the metal portion.

Having now fully described my invention, what I claim as new and desire to secure by Letters-Patent, is:—

1. A shield, composed of a series of materials, and a chain imbedded in the same, said chain having links and double links forming the same, the double links being at angles to the material.

2. A shield, composed of raw cotton, leather, a chain connected to the leather, and a metallic plate.

3. A shield, composed of metal, raw cotton, a hard chain, hard leather, and a covering of canvas.

4. A shield, composed of a chain, a leather supporting said chain, and metal hinged sections.

5. A shield, composed of metal hinged sections, lower detachable hinged sections, shoulder portions to rest on the shoulders of the wearer, and straps depending from the shoulder portions and looped with a second strap for connecting it to the body of the wearer.

In testimony whereof I affix my signature in presence of two witnesses.

JAN KUREK.

Witnesses:
JOHN A. SANLOS,
LLOYD A. DOUGLASS.