May 27, 1924. 1,495,489

L. KRAUSE

BULLET PROOF ARMOR

Filed May 5, 1922

Fig. 1.

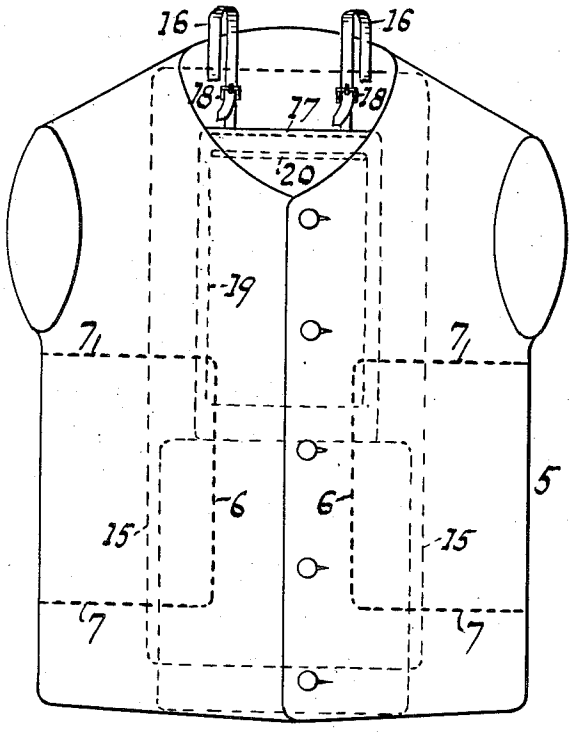


Fig. 2.

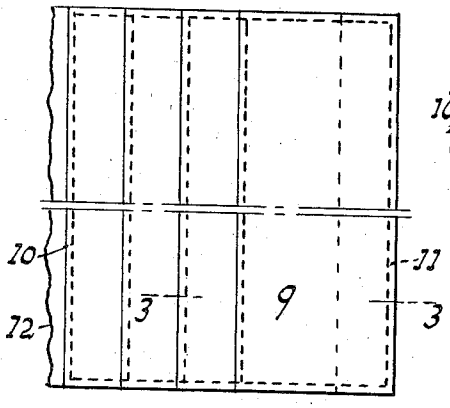


Fig. 3

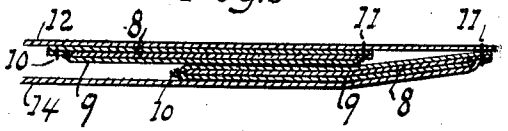
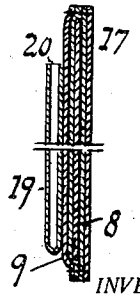


Fig. 4.



INVENTOR.

Leo Krause

BY Hauff Harland.

ATTORNEYS

Patented May 27, 1924. 1,495,489

UNITED STATES PATENT OFFICE.

LEO KRAUSE, OF NEW YORK, N. Y.

BULLET-PROOF ARMOR.

Application filed May 5, 1922. Serial No. 558,603.

To all whom it may concern:

Be it known that I, LEO KRAUSE, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented new and useful Improvements in Bullet-Proof Armor, of which the following is a specification.

This invention relates essentially to a bullet proof armor which is compact, light and flexible so that it can be worn as a garment by a soldier or other person to protect the body.

An object of the invention is to provide a water proof and fire proof enclosure for a series of steel strips so that they will remain perfectly dry and perspiration from the body will not harm or rust them or a bullet fired at close quarters cannot burn the enclosure.

Another object of the invention is to provide a pocket made of metallized material for the steel strips to resist the impact of a missile and to increase the resistance of the steel strips.

Another object of the invention is to provide an armor chest member with a pocket arranged on the rear side of the member and made to serve as a safe place to put any valuables.

The novel combinations of the invention are more fully described in the following specification and claims, reference being made to the accompanying drawing in which:

Fig. 1, represents a front elevation of a garment embodying this invention.

Fig. 2 is a front elevation of a portion of the armor, the top of the enclosure having been broken away.

Fig. 3 is a horizontal section taken along the line 3—3 of Fig. 2 on a larger scale.

Fig. 4 is a vertical section of the chest member.

The invention is shown preferably applied to a vest 5 but it could be used with any garment and worn to protect the body against the concussion caused by the impact of a missile. The vest is equipped with a front and rear armor member which is secured inside thereof by vertical stitches 6 and circumferential stitches 7 as indicated in Fig. 1. The armor member includes a series of thin resilient steel core strips 8, each strip being housed in an envelope or pocket 9 formed of two strips of flexible metallized fabric.

The free end of the pocket is fastened together by sewing as indicated at 10 in Fig. 3, and the other end is sewed at 11 to an enclosure or cover made of two sections 12 and 14, of rubberized or water proofed cloth. The free ends of the pockets overlap each other to strengthen its construction and to give flexibility. The metallized fabric is sufficiently resilient to prevent excessive movements of the free ends of the armor pockets thus substantially preventing a bullet from entering under the laps.

The vest is also shown with a back armor member 15 which is secured to its supporting lining or enclosure of rubber cloth in a similar manner as the above members.

A pair of shoulder straps 16 have their ends fastened to the back of the vest and a chest armor member 17 is suspended from these straps while buckles 18 are made to adjust the chest armor. The chest member has a pocket 19 with a mouth 20 conveniently located to receive any papers or other valuables. The pocket is arranged on the inside lining of the chest member so that it will be protected by the armor on its outer side.

Modifications of the invention can be made within the scope of the claims, for example, the water proof enclosure could form the outer fabric of the vest and the metallized pockets with the steel members secured directly to the outer fabric. The vest could be in the form of a jacket buttoned up to the chin and the chest member can be arranged in the front lining.

I claim:

1. A bullet proof armor comprising an outer supporting fabric, a series of pockets formed of metallized fabric secured to the supporting fabric, and a thin metal strip enclosed in each pocket.

2. A bullet proof armor comprising an outer waterproof cover, a series of pockets

formed of metallized fireproof fabric secured in the cover, and a thin metal strip enclosed in each pocket.

3. A bullet proof armor comprising an outer supporting fabric, a series of pockets formed of metallized fireproof fabric secured to the inner portion of the supporting fabric, and a pocket for storing valuables located adjacent to the pockets.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

LEO KRAUSE.

Witnesses:
INEZ M. SCHONTS,
WILLIAM MILLER.