F. SZMYT.

WAR PROTECTING SUIT.

APPLICATION FILED APR. 22, 1918.

1,269,019.

Patented June 11, 1918.

2 SHEETS—SHEET 1.

Fig. 1

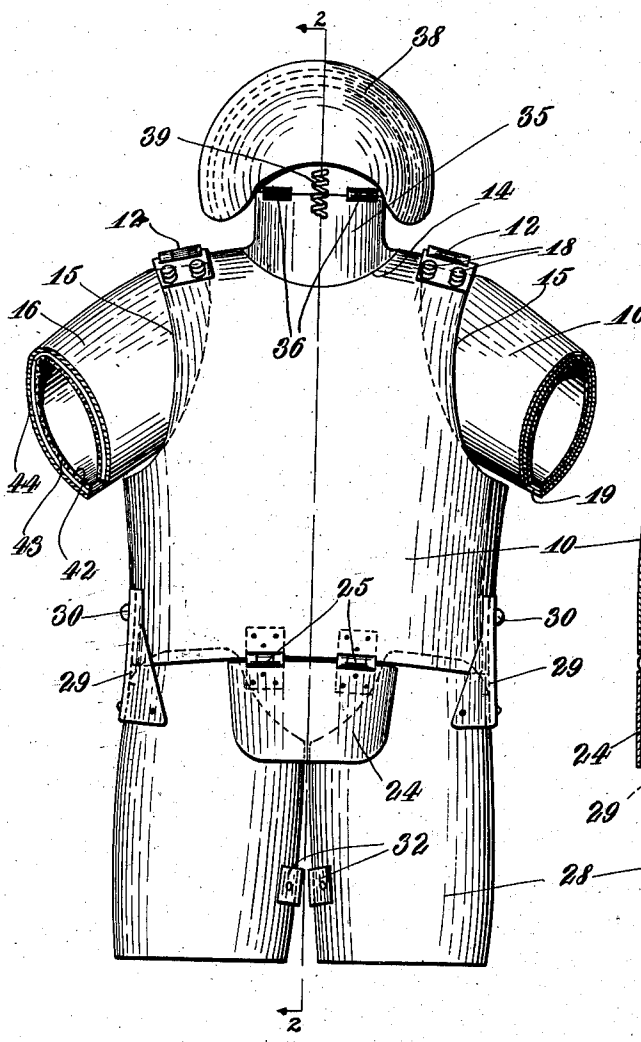
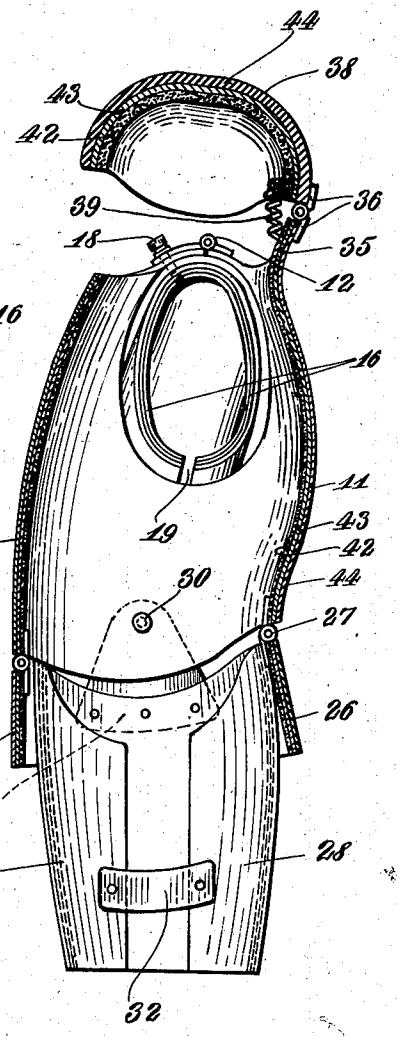


Fig. 2



Inventor

Franciszek Szmyt

By his Attorney Oscar Geier

F. SZMYT.

WAR PROTECTING SUIT.

APPLICATION FILED APR. 22, 1918.

1,269,019.

Patented June 11, 1918.

2 SHEETS—SHEET 2.

Fig. 3

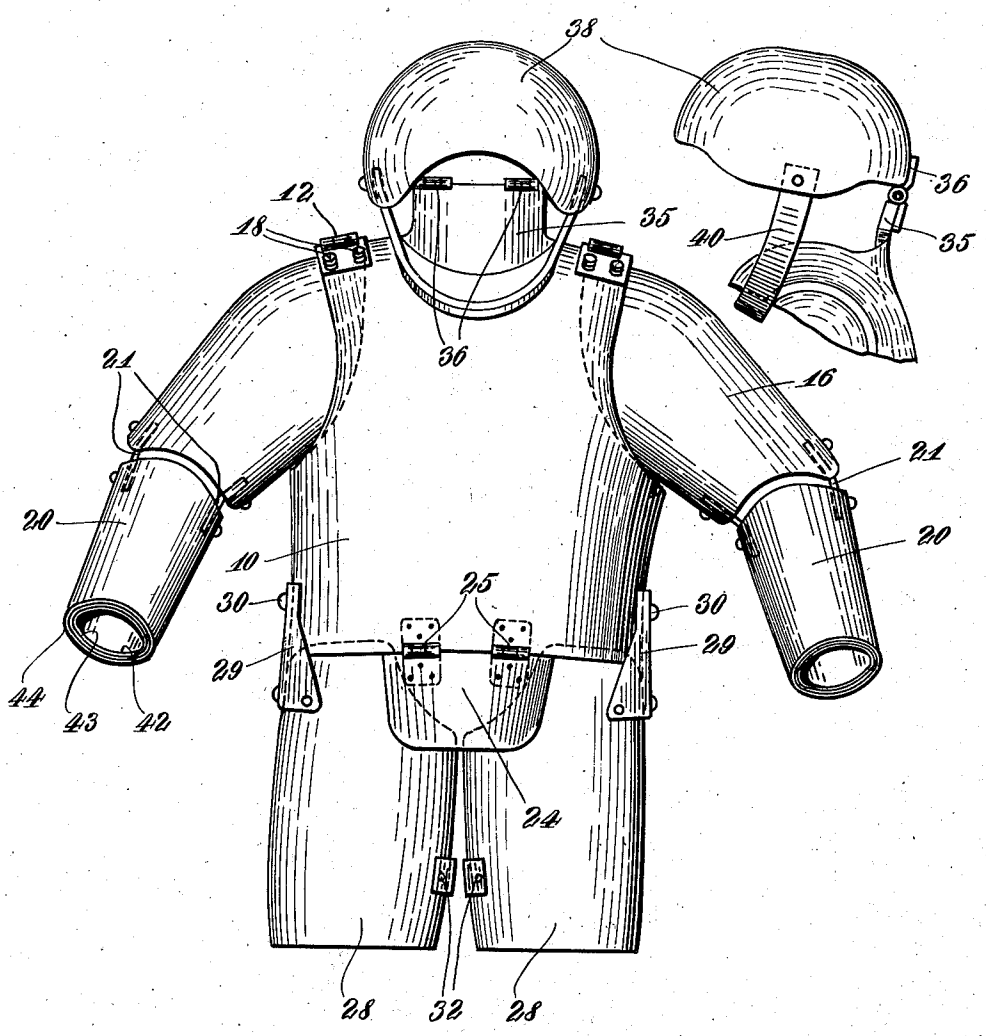


Fig. 4

INVENTOR

Franciszek Szmyt

BY *Oscar Gier*

ATTORNEY

UNITED STATES PATENT OFFICE.

FRANCISZEK SZMYT, OF BAYONNE, NEW JERSEY.

WAR PROTECTING-SUIT.

1,269,019. Specification of Letters Patent. Patented June 11, 1918.

Application filed April 22, 1918. Serial No. 230,008.

To all whom it may concern:

Be it known that I, FRANCISZEK SZMYT, a citizen of Poland, residing at Bayonne, county of Hudson and State of New Jersey, have invented certain new and useful Improvements in War Protecting-Suits, of which the following is a specification.

This invention relates to improvements in suits of armor as worn by soldiers and its special object is to provide means for protecting the main portions of the body against projectiles and the like.

A further object is to provide a new form of armor plate comprised of super-imposed layers of material, the various layers of the armor being so united as to permit entire freedom of action of the limbs and head.

These and other like objects are attained by the novel construction and combination of parts hereinafter described and shown in the accompanying drawings, forming a material part of this disclosure, and in which:—

Figure 1 is a front elevational view showing an armor made in accordance with the invention.

Fig. 2 is a vertical sectional view of the same taken on line 2—2 of Fig. 1.

Fig. 3 is another front elevational view showing a modified form of armor plate, and

Fig. 4 is a fragmentary side elevational view of the same.

The armor consists of a front plate 10, joined with a back plate 11, by the hinges 12, the same being disposed over the shoulders of the wearer, the joints of the front and back plates meeting closely together at the sides, while the front or breast plate is formed concavely, as at 14, for the throat of the wearer.

Engaged in the openings 15, which are formed partially in the front and back plates, are the shoulder armors 16, the same being held by the pins 18, in such manner as to allow the elements 16 to move freely thereon.

Connected with the shoulder armors 16, which are substantially of tubular construction and slotted longitudinally at the lower side, as at 19, are the lower arm plates 20, the same being slightly conical and attached by flexible clips 21, as best shown in Fig. 3.

An armored apron 24 is secured at the front or waist, at the lower end of the front plate 10, by hinges 25, a similar rear apron 26 being secured by hinges 27 to the rear plate 11, these aprons extend partially over the legging 28, which are adjoined to the front plate 10 and rear plate 11, by arcuately curved triangular plates 29, pivoted at 30 to the plates 10 and 11, the armor legging sides are connected by straps 32, so as to be maintained adjacent to the lower limbs of the wearer.

Formed with the rear plate 11 are extensions 35 connecting by the hinges 36 with the helmets 38, adapted to cover the head of the wearer, the helmet being normally drawn downward, due to the pull of the tension spring 39, as shown in Figs. 1 and 2, while in the modification shown in Figs. 3 and 4, the spring is dispensed with and in place thereof is secured a strap 40, adapted to pass below the chin of the wearer, holding the helmet in a downward position.

All these several armor plates are constructed in a novel manner, comprised of layers, the inner layer 42 of which is of strong cotton fabric like canvas, the center layer 43 being of glass, and the outer layer 44 of paraffin fiber.

The inner cotton layer provides a cushion-like surface adapted to make contact with the ordinary garments worn by the individual, while the center layer of glass, treated so as to be non-fragile, supplies the necessary resistance to the impact of a projectile, or the like, while the outer layer of paraffin fiber, serves to receive and retard the missile, the several layers being fixedly united together, forming laminated plates of high resisting properties.

Having thus described my invention what I claim as new and desire to secure by Letters Patent, is—

1. A laminated armor comprised of inner layer of cotton fabric, a center layer of glass, and another layer of paraffin fiber, all of said layers being firmly united together.

2. In an armor, the combination with a plurality of plates suited to the body of a wearer, said plates being comprised of inner layers of cotton, middle layers of glass, and outer layers of paraffin fiber.

3. An armor, comprising a front and back plate, leggings attached thereto, said leggings covering the rear and front portion of the limbs, connections between the ele-

ments of said leggings, armored aprons attached hingedly to said front and rear plates respectively, conical armored coverings for the arms, said coverings being removably engaged in said front and back plates, a helmet hingedly engaged with said rear plate, and means for normally holding said helmet in position, all of said plates being of laminated construction, comprised of layers of cotton, glass and paraffin fiber respectively.

In testimony whereof I have affixed my signature.

FRANCISZEK SZMYT.