

J. J. DOMANSKI.
SOLDIER'S HELMET.
APPLICATION FILED FEB. 5, 1918.

1,280,684.

Patented Oct. 8, 1918.
2 SHEETS—SHEET 1.

FIG. 1.

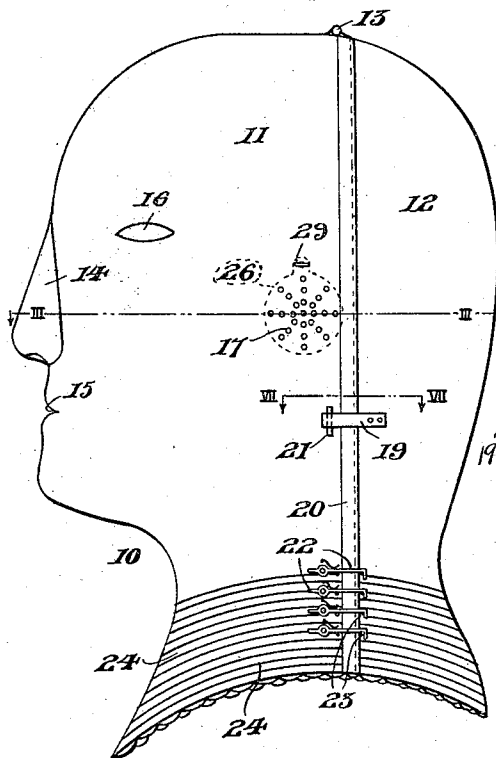


FIG. 2.

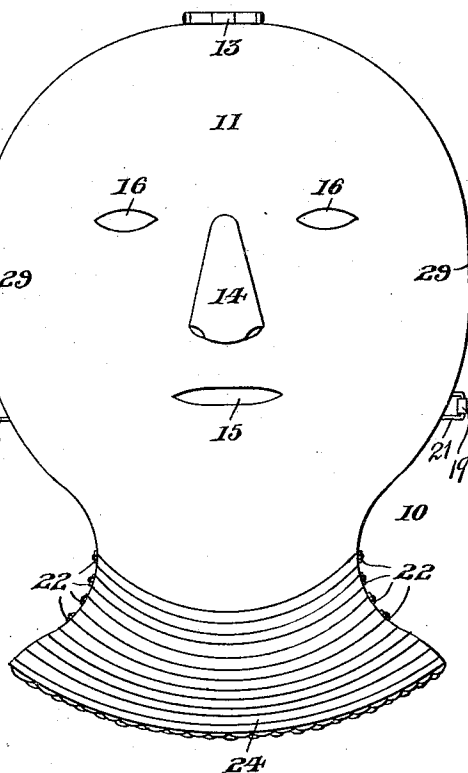


FIG. 3.

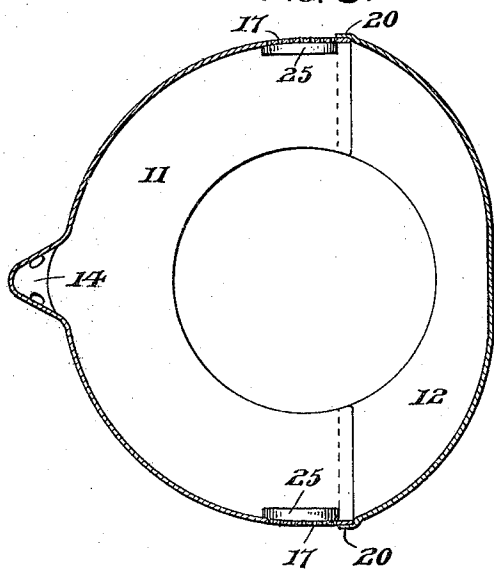


FIG. 7.



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By

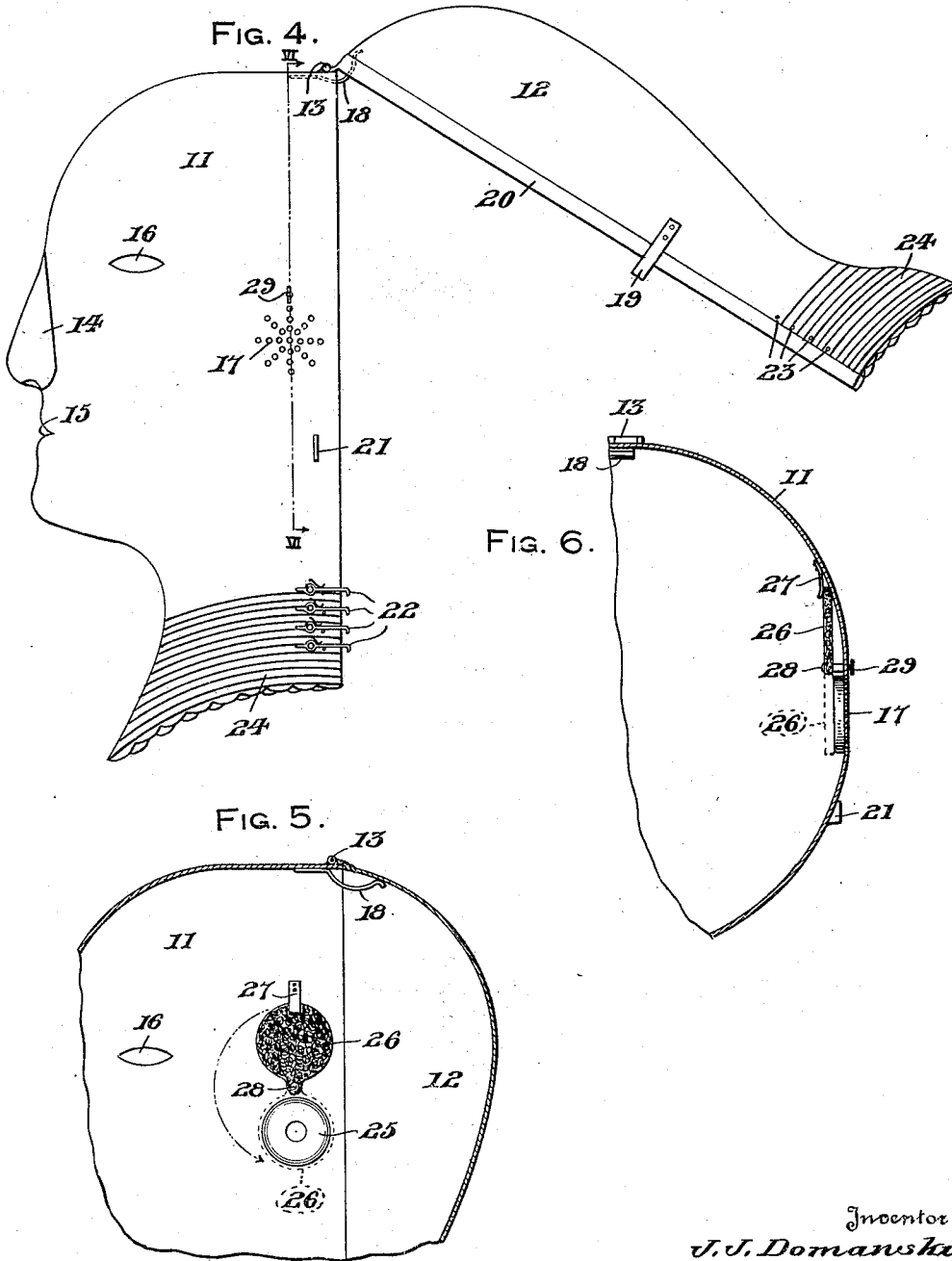
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UNITED STATES PATENT OFFICE.

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SOLDIER'S HELMET.

1,280,684.

Specification of Letters Patent.

Patented Oct. 8, 1918.

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To all whom it may concern:

Be it known that I, JAN J. DOMANSKI, a citizen of Russia, residing at Wilmington, in the county of New Castle and State of Delaware, have invented certain new and useful Improvements in Soldiers' Helmets, of which the following is a specification.

The primary object of the invention is the provision of a helmet for soldiers adapted for preventing the head of the soldier from being injured by flying missiles and arranging means for assisting the wearer in hearing slight and distinct noises, the structure being of strong, serviceable formation.

A further object of the device is to provide a helmet that is readily put on and taken off and is comfortable to the wearer when operatively arranged, the same being formed of metal which is bullet-proof and arranged for permitting the free use of the eyes, nose and ears of the wearer.

In the drawings:—

Figure 1 is a side elevation of the device assembled for use;

Fig. 2 is a front elevation thereof;

Fig. 3 is a horizontal transverse sectional view of the same;

Fig. 4 is a view similar to Fig. 1 with the device in its open arrangement;

Fig. 5 is an interior elevational view of one of the ear portions of the device when the helmet is closed;

Fig. 6 is a detail sectional view taken upon line VI—VI of Fig. 4; and

Fig. 7 is a detail sectional view taken upon line VII—VII of Fig. 1.

Referring more in detail to the drawings, the device broadly consists of a head covering or casing 10 formed in front and rear sections 11 and 12 respectively hinged, together as at 13 at the top of the device. The front section 11 is provided with a nose portion 14, a mouth portion 15, eye openings 16 and ear perforations 17, it being noted that a spring 18 positioned adjacent the hinge 13 normally maintains the sections 11 and 12 in their open arrangement.

Opposite latches 19 are carried by the rear section 12 adjacent the overlapping flange 20 thereof for engaging over staples 21 carried by the front section 11 and whereby the latches 19 automatically engage over the staples 21 when the sections 11 and 12 are closed. A plurality of spring-pressed hooks or catches 22 are carried on opposite sides of the section 11 for engaging over pins 23

upon the section 12 and whereby the sections are further retained in their closed arrangement.

A flexible neck portion 24 is provided for the casing 11 for resting upon the shoulders of the wearer when encircling the wearer's neck and permitting greater facility of movement when the device is in use. Sound intensifiers or ear trumpets 25 are arranged within the casing section 11 inwardly of the ear perforations 17 thereof whereby the hearing of the wearer is greatly strengthened when the device is in use. A damper or muffler 26 is arranged for each intensifier 25 normally maintained in its inoperative position by means of a spring clip 27, as indicated in Fig. 5 of the drawings and capable of being turned downwardly over the adjacent intensifier 25 by means of a pivot rod 28 having an operating handle 29 arranged outwardly of the casing 10.

From this detailed description of the device, it will be apparent that the sections 11 and 12 may be readily swung to their open positions as shown in Fig. 4 of the drawings whereupon the device may be placed upon the head and the section 12 moved for overlying the section 11 with the latches 19 and catches 22 in their operative locking arrangements. The wearer is then free to proceed while any bullets striking the casing 10 will be deflected thereby. When desiring to listen for the enemy, the mufflers 26 may be opened for employing the ear trumpets 25, while the mufflers may be readily closed by means of the handle 29 when it is not desired to intensify sounds. The device is convenient for putting on and taking off and is made comfortable to the wearer by having a suitable soft lining 30 engaging the head when the device is in position thereon while the neck portion 24 permits the free movements of the head and body.

What I claim is:—

1. The combination with a helmet, of a sound intensifier carried thereby, and a muffler for said intensifier.

2. The combination with a helmet, of sound intensifiers carried thereby at the ear portions thereof, and adjustable mufflers for said intensifiers.

3. The combination with a helmet having opposite perforated portions positioned adjacent the ears of the wearer when the device is operatively arranged, of ear trumpets within the helmet adjacent said perforated

portions thereof, an adjustable muffler for each of said ear trumpets, and exterior operating means for said mufflers.

4. The combination with a helmet having
5 perforated ear portions, of ear trumpets arranged inwardly of said perforated ear portions, a swinging muffler for each ear trumpet, retaining means for the mufflers adapted for normally engaging the mufflers when in
10 their inoperative positions, pivot pins for the mufflers, and operating handles for said

pins and mufflers arranged outwardly of the casing for shifting said mufflers to and from said ear trumpets when the helmet is in position upon the head of the wearer. 15

5. The combination with a helmet, of a sound intensifier carried thereby, a muffler for said intensifier, means to retain said muffler in inoperative position, and an exterior operating means for said muffler. 20

In testimony whereof I affix my signature.

JAN J. DOMANSKI.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."