D. O. FOSGATE.

TRUSS PAD OR CUSHION.

APPLICATION FILED JUNE 10, 1909.

947,551. Patented Jan. 25, 1910.

Fig. 1.

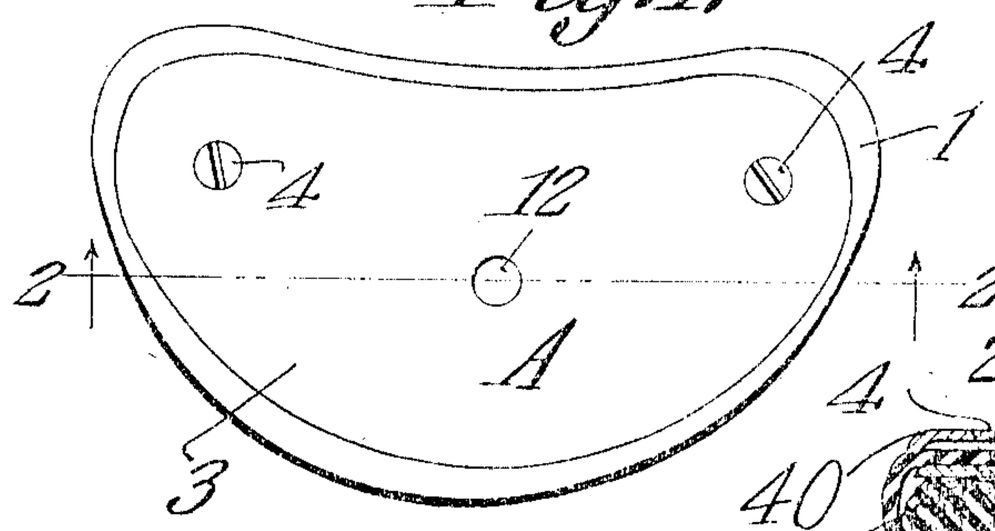
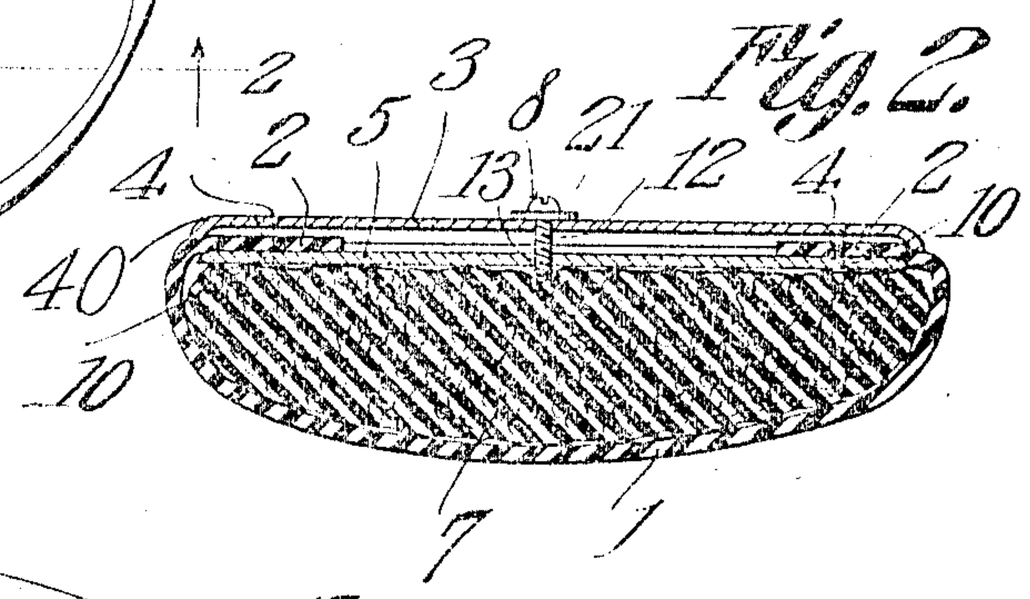


Fig. 2.



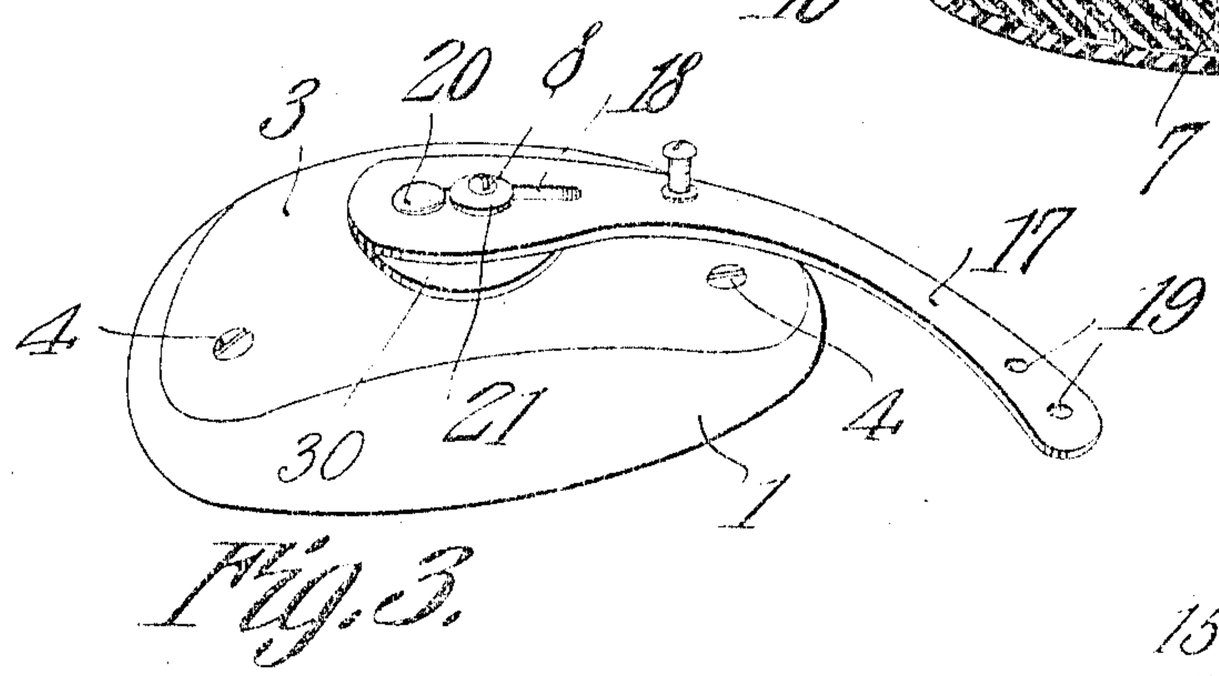


Fig. 3.

Fig. 4.

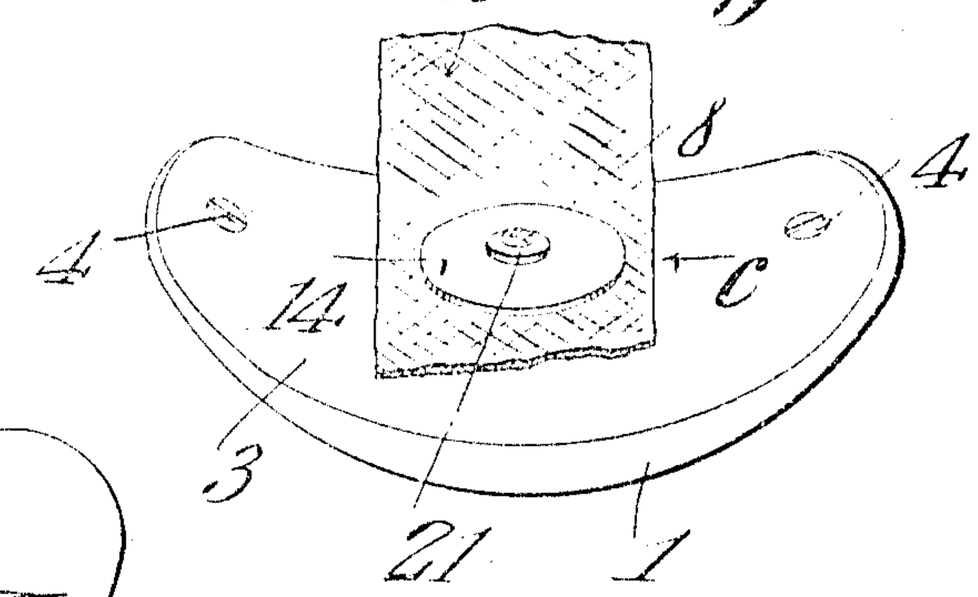
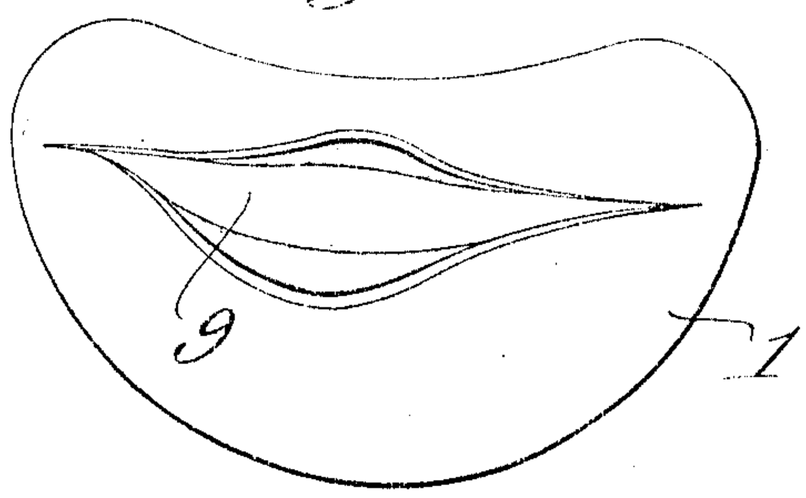


Fig. 5.



Witnesses

E. F. Stewart

Chas. L. Wilson

Inventor

Daniel O. Fosgate.

By Church & Co.

Attorneys

UNITED STATES PATENT OFFICE.

DANIEL O. FOSGATE, OF CHICAGO, ILLINOIS.

TRUSS PAD OR CUSHION.

947,551. Specification of Letters Patent. Patented Jan. 25, 1910.

Application filed June 10, 1909. Serial No. 501,322.

To all whom it may concern:

Be it known that I, DANIEL O. FOSGATE, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented a new and useful Truss Pad or Cushion, of which the following is a specification.

My invention relates to truss pads and means for carrying them on elastic web or steel supporting members.

The object of this invention is to produce a pad made of sponge rubber, which may, by the size of the mesh thereof, be varied in its resiliency.

The invention also contemplates a means for attaching the pad to the supporting member, that will brace and stiffen the pad and also allow for the adjustment of the same.

With the above and other ends in view, the invention consists in the construction, combination, and arrangement of parts all as hereinafter fully described, specifically claimed, and illustrated in the accompanying drawings wherein,—

Figure 1 is a top plan of my improved truss pad with the attaching means removed. Fig. 2 is a longitudinal section taken along line 2—2 of Fig. 1. Fig. 3 is a perspective of the truss pad showing the means used in attaching the pad to a steel supporting frame. Fig. 4 is a perspective showing the means used in attaching the pad to an elastic web supporting band. Fig. 5 is a top plan of the covering with the backing plates removed.

Referring to the drawings, A designates in general a truss pad, made in accordance with my invention and composed of the rubber covering 1, the cellular rubber sponge pad 7, contained in said covering, and the backing plates 3—5. The pad is made of any desired shape and size, dictated by the location and extent of the rupture.

Engaging the inner backing plate 5 and secured between that and the outer plate 3, is the lip 2, formed by bending the edge of the covering inwardly, and defining the orifice 9 in the upper face of the covering. This orifice 9 is adapted to permit the inner plate 5 and the pad 7 to be placed within the covering, and the lip 2 constitutes a means by which the pad and covering may be secured between the back plates. The pad 7, which may be manufactured of various qualities of sponge rubber, is vulcanized in one piece to fit the covering 1, and is held thereby from spreading and losing its shape.

Extending through passages at the longitudinal extremities of the outer plate 3 are the screws 4, passing through the lip 2 and registering in threaded orifices 10 in the inner plate 5, thus attaching the pad A firmly and securely to the plates. There are also located in the central portion of these plates two alined openings 12—13, the one 13, in the inner plate, being threaded to receive the screw 8, through the medium of which the means C for attaching the entire device to the supporting member, is connected with the pad. This attaching means C, in case an elastic web supporting member 15 is employed, comprises an auxiliary plate 14, having an opening 10 therein through which passes the screw 8, which connects the plates 3 and 5, the screw having a washer 21 about the head thereof. This auxiliary plate holds firmly between itself and the outer backing plate 3 the elastic web 15, preventing by its pressure thereon any slipping or change in position of the pad. Should, however, a steel frame supporting member be used, the attaching means C comprises an arm 17, provided at one end with the longitudinal slot 18, and at the other end with the holes 19, an auxiliary plate 30 having a stud 20 on its exterior face adapted to be received in the slot 18 to act as a guide and brace for the arm, and the screw 8, passing through the slot 18 and through the orifice in the auxiliary plate and connecting the entire device to the backing plates 3—5. This arm 17 is fastened to the frame by means of rivets or the like, extending through the holes 19.

The screw 8 is provided with the washer 21, which engages the arm 17 between itself and the auxiliary plate 30, attaching the arm to the back plates 3—5 and in combination with the stud 20, holding the arm in its proper relation to said auxiliary plate, which is kept from rotating by the pressure of the washer 21 thereon. When the screw 8 is loosened, the pad may be rotated and adjusted longitudinally of the arm 17, to suit the wearer.

The advantages obtained by covering the sponge rubber pad are important and among these are, that the covering prevents the sponge from becoming hardened and decayed by the perspiration from the body, for though the covering may thus deteriorate it

is much easier and cheaper to replace than the pad. Moreover, the covering retains the pad in its proper shape and thickness, and adds to the sanitary condition of the pad in that it eliminates all dirt, moisture etc. from collecting and rubbing in the pores of the sponge.

As shown in Fig. 2, the periphery of the plate 3 is bent downwardly to form a flange 40 adapted to extend beyond the periphery of the plate 5. By this construction, the hold of the plates 3 and 5 upon the covering 1 is enhanced.

Having thus fully described my invention, what I claim and desire to secure by Letters Patent is:

A device of the class described comprising a plate; a pad carried by the plate; a washer mounted upon the plate and provided upon its exterior face with a stud; an arm having a straight slot terminating within the contour of the arm, and arranged to receive the stud; an adjustable connecting element located in the slot and arranged to engage the arm, the connecting element being spaced from the stud and extended through the washer to form the sole connection between the washer and the plate, the arm being slidable upon the stud and the retaining element, and being rotatable about the connecting element as a center when the connecting element is loosened, the stud being engageable by the arm at one end of the slot, to secure a rotation of the washer upon the plate, the stud and the connecting element being engageable successively, by the arm at opposite ends of the slot, when the arm is slid.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

DANIEL O. FOSGATE.

Witnesses:

CHAS. R. JOHNSON,

GEO. FULL.