

(No Model.)

E. A. GIERASCH.
TRUSS.

No. 580,042.

Patented Apr. 6, 1897.

Fig. 1.

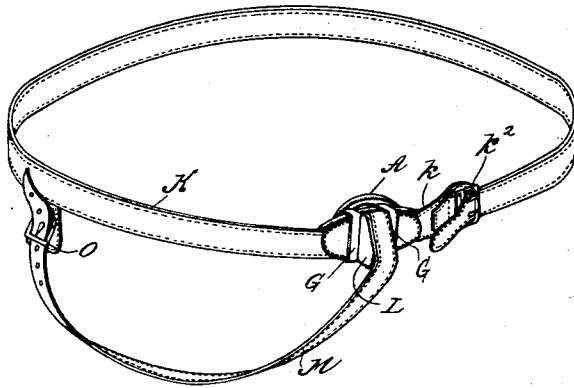
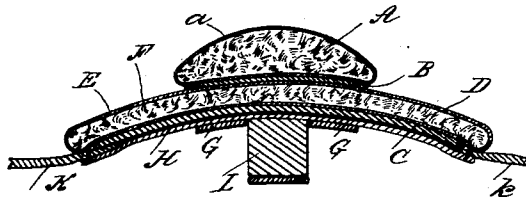


Fig. 2.



WITNESS:

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TRUSS.

SPECIFICATION forming part of Letters Patent No. 580,042, dated April 6, 1897.

Application filed May 20, 1896. Serial No. 592,276. (No model.)

To all whom it may concern:

Be it known that I, EUGEN ADOLPH GIERASCH, a citizen of the United States, and a resident of Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Trusses, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to trusses; and the object thereof is to provide an improved truss which is simple in construction and operation, and which is adapted to adjust itself to various positions of the body, and which is also comparatively inexpensive and provided with means for holding it securely in the proper position.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a perspective view of my improved truss, and Fig. 2 a longitudinal central section of a truss-pad and the parts connected therewith.

In the practice of my invention I provide a pad A, which is preferably slightly oblong in form, but which may be circular, if desired, and which consists of a covering of chamois or other soft leather, or if necessary or desirable cloth or other fabric may be employed, and the pad A is provided with a packing *a*, of wool, cotton, or any preferred material. The inner surface of the pad A is convex in form, as clearly shown in Fig. 2, and the outer surface thereof is provided with a reinforcing disk or plate B, of soft rubber or similar material, which is stitched or otherwise secured thereto, and I also provide a metal spring C, which is oblong in form and preferably about three and a half to four inches long and from one and three-quarters to two and one-quarter of an inch wide, and which is preferably composed of steel or similar material, and the inner surface thereof is provided with a covering or cushion D, which consists of a casing E, of chamois or similar material, which is packed with wool, cotton, or similar substances, as shown at F, and the pad D is secured to the inner side of this covering or cushion, as shown in Fig. 2, and centrally

thereof by means of strips or bands G, which are secured to the pad and pass around the spring and the covering or cushion D.

The spring C is provided on its outer side with a covering H, of leather or similar material, which is stitched or otherwise secured to the sides of the covering or cushion D, and secured to the ends thereof are straps K and *k*, which are preferably composed of leather, and the strap K is adapted to be passed around the body and to be connected with the strap *k* by a buckle *k*².

Secured centrally and transversely of the spring C, and to the outer side thereof, is a wedge-shaped block L, of cork, rubber, or any suitable material, and connected with the upper portion thereof is a strap M, which is adapted to be passed around one of the legs and to be buckled or otherwise connected with the strap K, as shown at O, and the object of the wedge-shaped attachment L is to provide means for properly adjusting the pad to the abdomen.

The object of the spring C is to provide a yielding pressure which is exerted upon the pad A, which, as will be readily understood, is placed in practice directly over the point of the rupture or hernia, and which, in addition to preventing any protrusion of the parts, is also adapted to afford an opportunity for the healing of the hernia or rupture. It will also be apparent that the strap K may be loosened or tightened at any time by means of the buckle *k*², and this is also true of the strap M, and this device therefore adapts itself for use by persons of different sizes, and may be used by the same person under different conditions.

The straps K and M may be of any desired size and composed of any desired material, and by properly adjusting these straps the displacement of the pad A is practically impossible, and the spring C operates at all times to produce the required pressure upon said pad.

My invention is not limited to the use of the material herein described, and it is evident that changes in and modifications of the construction herein described may be made without departing from the spirit of my invention or sacrificing its advantages, and,

Having fully described my invention, I

claim as new and desire to secure by Letters Patent—

1. In a truss, the combination with a curved metal spring, of a cushion secured to the back thereof, a pad secured to said cushion, and straps secured to the ends of said spring whereby the device may be connected with the body, and said spring being also provided centrally thereof, and on its outer surface with a wedge-shaped block of rubber, over which is passed a strap, one end of which is adapted to be connected with the strap which is adapted to be passed around the body, substantially as shown and described.

2. In a truss, the combination with a curved metal spring, of a cushion secured to the convex side thereof, a pad which is secured to the convex side of said cushion, said pad being composed of a covering of soft leather filled with suitable packing material, and said spring being also provided with a suitable covering, a flexible disk secured upon the outer surface of said pad, and a strap connected with said spring at the ends thereof

and adapted to be passed around the body, substantially as shown and described.

3. In a truss, the combination with a curved metal spring, of a cushion secured to the convex side thereof, a pad which is secured to the convex side of said cushion, said pad being composed of a covering of soft leather filled with suitable packing material, and said spring being also provided with a suitable covering, and a strap connected with said spring at the ends thereof, and adapted to be passed around the body, and a supplemental strap connected with said spring, and adapted to be connected with the strap which is passed around the body, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 9th day of May, 1896.

EUGEN ADOLPH GIERASCH.

Witnesses:

GEORGE SCHADE,
HERMAN HEMMENKINGER.