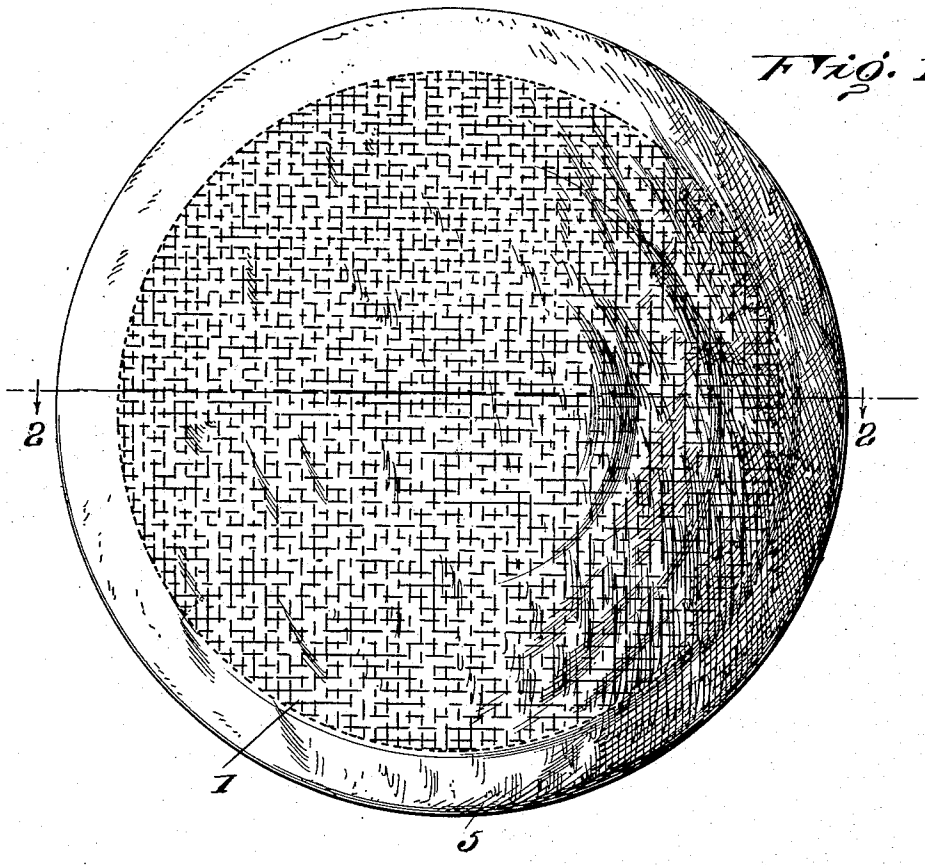
G. GOLDMAN.

GARMENT PAD.

APPLICATION FILED JUNE 17, 1914.

1,177,408. Patented Mar. 28, 1916.

Fig. 1.



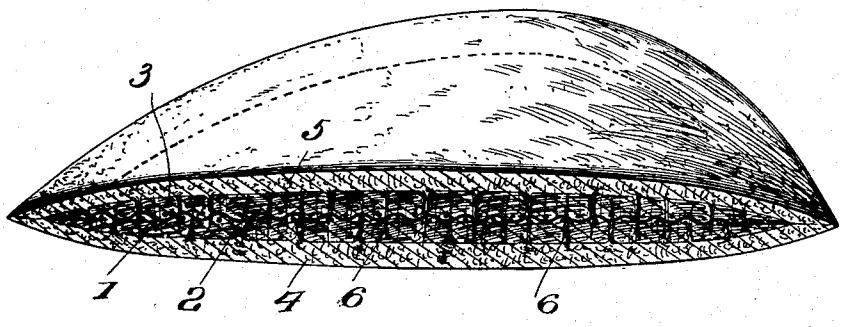


Fig. 2.

Inventor

Gustav Goldman

Witnesses

I. B. Wegenast.

Jas. H. Anderson.

By Munn Cameron Lewis & Massie

Attorneys

UNITED STATES PATENT OFFICE.

GUSTAV GOLDMAN, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO REINFEL MANUFACTURING CO., INC., OF PHILADELPHIA, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

GARMENT-PAD.

1,177,408. Specification of Letters Patent. Patented Mar. 28, 1916.

Application filed June 17, 1914. Serial No. 845,629.

To all whom it may concern:

Be it known that I, GUSTAV GOLDMAN, a citizen of the United States, and a resident of Germantown, Philadelphia, Pennsylvania, have invented a new and useful Improvement in Garment-Pads, which invention is fully set forth in the following specification.

This invention relates to garment pads, and has for its object to provide an article of the class described, which may be cheaply manufactured, shall be elastic in character, and present a smooth and firm exterior finish.

With these objects in view, the invention, generally stated, consists in a garment pad of suitable shape or configuration, comprising an inner layer of hair cloth or other suitable loosely woven fabric, inclosed between two layers of non-felted fibers, such as non-felted wool, one of which layers is above and the other beneath the hair cloth, the non-felting fibers in turn being inclosed between two layers of felted or felting fibers, such as a good quality of felting wool, the outer layers of wool being united by fibers, preferably of felting wool, passing through the non-felting wool and through the meshes of the hair cloth or similar fabric, and the layers of felting wool being felted by any suitable manipulation. The fibers connecting the two layers of felting wool may be either portions of such felting wool extending down through the non-felting wool and woven fabric, or they may be composed of threads of yarn or felting wool stitched through the whole before the felting operation has been performed. In some instances I may omit the fibers connecting the layers of felting wool, but preferably these are employed, since they result in a firmer and more desirable pad.

The invention will be best understood by reference to the accompanying drawings, in which—

Figure 1 is a plan view illustrating the method pursued in constructing a pair of the pads mentioned; and Fig. 2 is a sectional perspective view of one of the pads completed.

In said drawings, 1 indicates the woven fabric, preferably of loosely woven hair cloth; 2 indicates the lower and 3 the upper layer of non-felted wool, while 4 indicates the lower layer of felting wool, and 5 the upper layer thereof. In making the pads, preferably a pair of the pads are constructed at the same time by laying down a circular piece of hair cloth 1, and then inclosing it between the layers 2 and 3 of non-felted wool, which are also circular in form and of slightly greater diameter than the hair cloth, with the peripheries of said layers thinned or trimmed off so as to form a tapering edge, as will be understood by inspection of Fig. 2. Similarly, the layers 4 and 5 of felting wool are circular in form and of a slightly greater diameter than the layers of non-felted wool, and also have their peripheries thinned or trimmed off to form a tapering edge.

The parts having been thus assembled, fibers of the felting wool 4 and 5, as indicated at 6 (Fig. 2) are drawn back and forth through the non-felted wool and the meshes of the hair cloth by suitable needles, well known in the art for performing such a function, and after this is done, the usual or any suitable felting operation is employed to felt the layers of felting wool. If desired, instead of drawing fibers of felting wool from the masses 4 and 5 through the non-felted wool and the hair cloth, threads of wool and yarn, preferably of a felting character, may be passed back and forth through the mass, after which the felting operation is performed. After the felting operation, the structure shown in Fig. 1 may be cut in two on a diametrical line, thereby forming a pair of pads. The hair cloth or other similar or suitable fabric tends to impart the desired stiffness to the pad, the non-felted wool renders it resilient, and the layers of felting wool serve to unite the whole, and to form the desired felt-like outer surface for the pad as a whole.

What is claimed is:—

1. A garment pad comprising a layer of woven fabric, a layer of non-felted fibers on each side of said fabric, and two layers of felted fibers with said fabric and non-felted fibers between them.

2. A garment pad comprising a layer of woven fabric, a layer of non-felted fibers on each side of said fabric, and two layers of felted fibers with said fabric and non-felted fibers between them, said layers of felted fibers being felted together around a portion of their peripheries.

3. A garment pad comprising a layer of

woven fabric, a layer of non-felted fibers on each side of said fabric, two layers of felted fibers with said fabric and non-felted fibers between them, said felted layers being connected by strands of fibers extending through the non-felted fibers and the said fabric.

4. A garment pad comprising a layer of woven fabric, a layer of non-felted fibers on each side of said fabric, two layers of felted fibers with said fabric and non-felted fibers between them, said felted layers being connected by strands of felting fibers extending through the non-felted fibers and said fabric.

5. A garment pad comprising a layer of woven fabric, a layer of non-felted fibers on each side of said fabric, two layers of felted fibers with said fabric and non-felted fibers between them, said felted layers being connected by strands of felting fibers extending through the non-felted fibers and said fabric and having a portion of their peripheries felted together.

6. A garment pad comprising a layer of hair cloth, two layers of non-felted wool with said hair cloth between them, and two layers of felting wool with said hair cloth and non-felted wool between them.

7. A garment pad comprising a layer of hair cloth, two layers of non-felted wool with said hair cloth between them, and two layers of felt with said hair cloth and non-felted wool between them, said layers of felt being connected by fibers of felting wool extending through said hair cloth and non-felted wool.

8. A garment pad comprising a layer of hair cloth, two layers of non-felted wool with said hair cloth between them, and two layers of felt with said hair cloth and non-felted wool between them, said layers of felt being connected by felting the same together at a portion of their peripheries and by felting fibers extending through the hair cloth and non-felted wool.

In testimony whereof I have signed this specification in the presence of two subscribing witnesses.

GUSTAV GOLDMAN.

Witnesses:
H. L. BRIGHT,
A. LYON.

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