June 6, 1939. A. A. MORELLI 2,161,720

PAD

Original Filed June 4, 1935

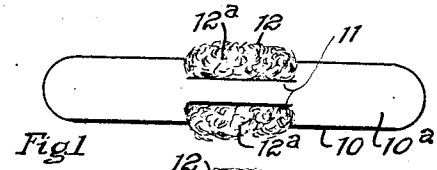


Fig1

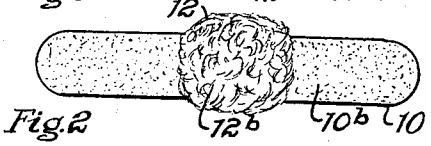


Fig.2



Fig.3

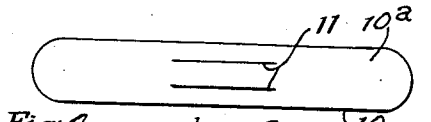


Fig.4

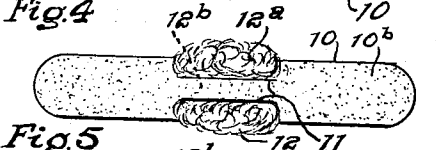


Fig.5

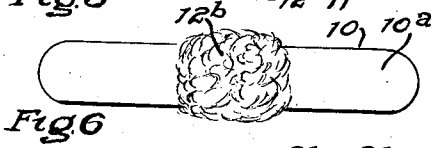


Fig.6

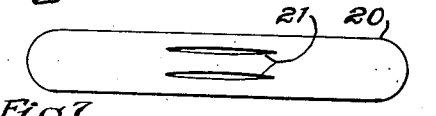


Fig.7



Fig.8



Fig.9

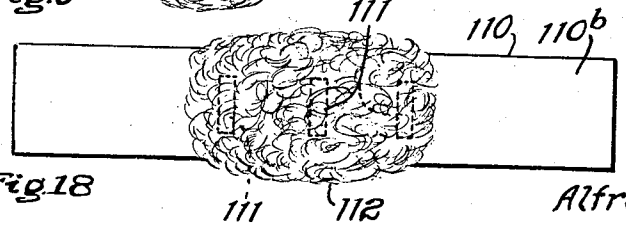


Fig.18

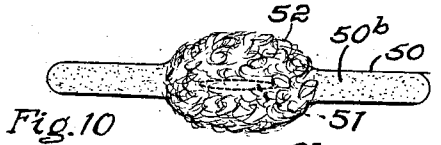


Fig.10

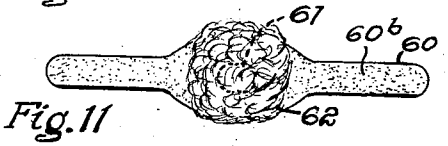


Fig.11

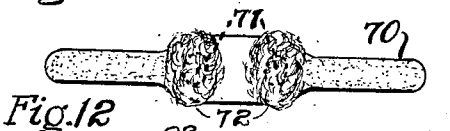


Fig.12

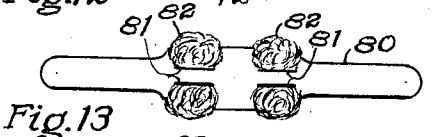


Fig.13

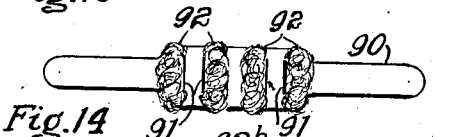


Fig.14

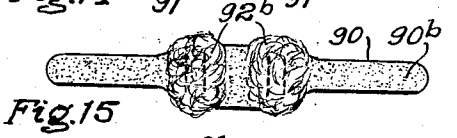


Fig.15

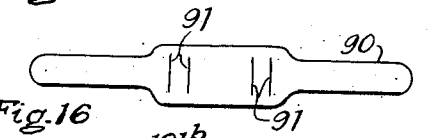


Fig.16

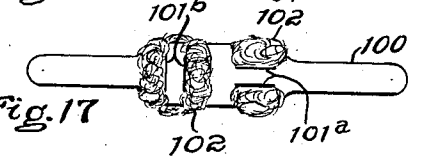


Fig.17

Inventor

Alfred A. Morelli

By Walter W. Burns

Attorney

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UNITED STATES PATENT OFFICE

2,161,720

PAD

Alfred A. Morelli, Ridgway, Pa.

Application June 4, 1935, Serial No. 24,923
Renewed January 24, 1939

8 Claims. (Cl. 128—153)

This invention relates to pads adapted for medication and particularly to those pads used in the treatment of corns.

In the treatment of corns and other affected tender portions of the body, one of the important parts of the treatment is to remove the pressure from the affected part. This relieves the pain and facilitates the treatment.

It has been common to provide rings of padding to surround tender affected portions of the body, such as corns, in order to protect the same from contact with the shoes or other clothing or with adjacent toes, in order that the pressure may be decreased and the pain lessened. These pads while more or less effective have certain objectionable qualities which it is sought in this invention to avoid.

One of these objectionable qualities of the ring type of pad is the space necessary to be occupied by the pad. The discomfort caused by the pressure of these thick pads while great, is borne because it is of less discomfort than the pain caused by the corn. Another objectionable quality is the frequent front and rear shifting of the ring of the pad so as to bring a hard portion of the pad into contact with and to produce pressure on, the affected portion.

The primary object of my invention is the provision of an improved pad which is adapted for use in the relief of pain from corns and the like.

Another object of the invention is the provision of an improved pad, so constructed and arranged that when used as a corn pad may be placed above or below the corn so as to remove the pressure of the shoe from the corn, thereby relieving the cause of the pain.

Another and further object of the invention is the provision of an improved pad which is so constructed that when used as a corn pad, it may be medicated if desired and placed in the web of the toes, thus affording protection to and aiding in the healing of the fissures.

Still another object of the invention is the provision of an improved pad wherein the whole structure is soft and pliable.

A still further object of the invention is the provision of such a pad constructed of slitted adhesive tape and padding material, the latter being on both sides of the former.

A still further object of the invention is the provision of such a pad constructed of adhesive tape having one or more slits with padding in the slit or slits and secured in place by the adhesive tape surface, a portion being above and another portion below the tape, thus giving bulk and strength to the pad, while at the same time the pad is held firmly in position.

A still further object of the invention is the provision of an improved pad which may be applied to the toe containing the corn or to the opposite toe to relieve the pressure at the corn without attaching the adhesive to the corn or adjacent thereto.

A still further object of the invention is the provision of such an improved pad being so constructed that it may be applied directly above one of two opposite and contacting corns to relieve the pressure between the two toes, thus relieving the pain from the corns.

A still further object of the invention is the provision of such an improved pad, so constructed that it may be applied not only between the toes but may be applied to fissures between the fingers.

A still further object of the invention is the provision of a pad which can be economically manufactured, durable and efficient in use, easily placed in the desired position and harmless to the most delicate skin.

A still further object of the invention is the provision of such an improved pad, so constructed as to have a plurality of pads so placed as to be on opposite sides of an affected portion.

Other and further objects of the invention will be apparent to one skilled in the art from a reading of the complete specification and claims.

Referring to the drawing wherein I have illustrated several embodiments of the invention:

Fig. 1 is a plan view of one form of my invention,

Fig. 2 is a view of the article of Fig. 1 showing the adhesive side of the pad,

Fig. 3 is a side view of Figs. 1 and 2,

Fig. 4 is a plan view of the adhesive strip but without the pad,

Figs. 5 and 6 illustrate a form similar to the form of Figs. 1 and 2 but with the adhesive surface on the reverse side relative to the padding,

Fig. 7 is a modified form of adhesive strip,

Fig. 8 is a modified form of the article shown in Figs. 1 to 3 showing four slit openings,

Figs. 9, 10, 11 illustrate modified forms having adhesive strips with narrow attaching portions,

Figs. 12 to 17 illustrate modified forms having double paddings,

Fig. 18 is a modified form illustrating one adaptation of my invention to a large pad.

The same reference characters refer to the same or similar parts throughout the several views of the drawing.

Referring particularly to Figs. 1 to 4 inclusive,

10 designates the strip of adhesive plaster having an outer surface 10*a*, and an adhesive surface 10*b*, which latter is applied next the skin surface to which the pad is secured.

Between the ends and in the embodiment illustrated in Figs. 1 to 4, are two openings herein illustrated as slit openings 11, into which is inserted the padding 12. This padding 12 is preferably pulled through the openings with a portion placed on the outside at each side of the slits as shown at 12*a* in Fig. 1. That portion on the under or adhesive side of the strip is shown at 12*b*. The portion 12*b* is formed in the desired shape and by pressing it against the adhesive surface 10*b*, it is held in position until used.

Fig. 4 illustrates the adhesive strip 10 with its slit openings 11, before the pad is attached.

In Figs. 5 and 6, the same parts are illustrated as in Figs. 1 to 3, except that the adhesive strip is in its reverse position. This type may be used to advantage where it is desired to protect one corn by attaching the pad to the adjacent toe. In this instance the padding 12*b* on the underside of the illustrated form in Fig. 5, would contact the affected toe.

In Fig. 7, the adhesive strip 20 corresponds to the strip 10 already described and has openings 21 corresponding to the slit openings 11 of Fig. 4. The pad is applied in a similar manner to that described for Figs. 1 to 3.

In Fig. 8, I have illustrated a pad 30 having slit openings 31 into which the padding 32 is placed and secured as already described for the pad 12.

Fig. 9 shows a pad having a different type adhesive strip 40 having slit openings 41 and a padding 42.

Fig. 10 illustrates the adhesive side 50*b* of a strip 50 having a single elongated opening 51 and a padding 52 therein.

In Fig. 11, the under or adhesive side 60*b* of the adhesive strip 60 is illustrated with a substantially circular opening 61 and a pad 62.

In Figs. 12, 13, 14, 15 and 16, I illustrate adhesive strips having double paddings—a sufficient distance apart to go above and below the corn or other affection, respectively. Fig. 12 has an adhesive strip 70, openings 71 and paddings 72. These paddings are secured as has already been described for the padding 12.

Fig. 13 shows two pairs of double slit openings 81 in the adhesive strip 80. In the slit openings 81 are secured paddings 82 as described for the padding 12.

In Figs. 14 to 16, the construction is similar to that in Fig. 13 except that the adhesive strip 90 has two pairs of double slit openings 91 extending across the length of the adhesive strip. The paddings 92 are similar in construction and application, to the paddings 82. Fig. 15 shows the under or adhesive side 90*b* of the adhesive strip with the portions 92*b* which contact the skin adjacent the affected portion of the body. Fig. 16 shows the adhesive strip 90 with the slit openings 91 but without any padding.

In Fig. 17, I have illustrated a form of two-padding pad having an adhesive strip 100, with two sets of slit openings 101*a*, 101*b*, with paddings 102 installed as already described. This type of pad might be used where under the influence of clothing as shoes, one pad might have a tendency to shift laterally and the other axially.

In Fig. 18 I have illustrated an adhesive strip 110 showing its adhesive side 110*b*, the openings 111 and the side of the padding 112 which is next the skin.

In using my pad, the padding may or may not be medicated according to the need.

It will thus be clear that I have provided a pad which is of easy and cheap manufacture and is easily applied and efficient in operation.

In the specification, I have described different modifications of my invention and have mentioned wool fiber as the material for the pad and described the invention as being used for a corn plaster or pad. This description as to materials used, sizes and uses is to be considered as merely illustrative and it is to be understood that the invention is adapted for use by physicians and surgeons generally as well as for the treatment of corns and that the invention is intended to cover modifications both as to size, materials and details of construction and that such changes may be made without departing from the spirit of the invention and within the scope of the appended claims.

Having described my invention, what I claim is:

1. A pad of the class described comprising a strip of adhesive plaster having an opening therein and padding material secured in said opening and to one face of the adhesive plaster strip, the padding material being further secured in place by having portions lying on opposite sides of the edge of the opening.

2. A pad of the class described comprising a strip of adhesive plaster having a plurality of openings therethrough and padding material extending through the openings and secured to one face of the adhesive plaster strip, the padding material being further secured in place by having portions lying on opposite sides of the edge of the opening.

3. A pad of the class described comprising a strip of adhesive plaster having two longitudinal slits in a portion of the length of the strip, thus forming three relatively narrow adjacent strips and a padding extending through the slits, under the central narrow strip and on both sides of the two outer narrow strips.

4. A pad of the class described comprising a strip of adhesive plaster having two longitudinal slits in a portion of the length of the strip, thus forming three relatively narrow adjacent strips and a padding extending through the slits, under the central relatively narrow strip and against its adhesive side, the padding extending on both sides of the two outer smaller strips and secured to the adhesive side of each outer small strip.

5. A pad of the class described comprising a strip of adhesive plaster having two longitudinal slits in a portion of the length of the strip, thus forming three relatively narrow adjacent strips and a padding extending through the slits, under the central relatively narrow strip and against its adhesive side, the padding extending on both sides of the two outer smaller strips, the padding being secured to the adhesive side of the plaster.

6. A pad of the class described comprising a strip of adhesive plaster having a plurality of side-by-side longitudinal openings forming a series of relatively narrow strips and padding members extending through the openings, under one of the relatively narrow strips and on both sides of another of the relatively narrow strips.

7. A pad of the class described comprising a strip of adhesive plaster having a plurality of openings therein and pieces of padding material extending through the respective openings and secured to the adhesive side of the strip, the padding material being further secured in place by

having portions lying on opposite sides of the edge of the opening.

8. A pad of the class described comprising a strip of adhesive plaster having a plurality of openings therein spaced longitudinally of the strip and separate paddings in the openings, said paddings lying against opposite sides of the strip and secured to the adhesive side of the strip in spaced relation a sufficient distance apart to place the paddings on opposite sides of, adjacent to but out of contact with an affected portion of the body.

ALFRED A. MORELLI.