June 12, 1934. J. F. SCHIPPER 1,962,971

FOOT TREATING DEVICE

Filed Dec. 30, 1931

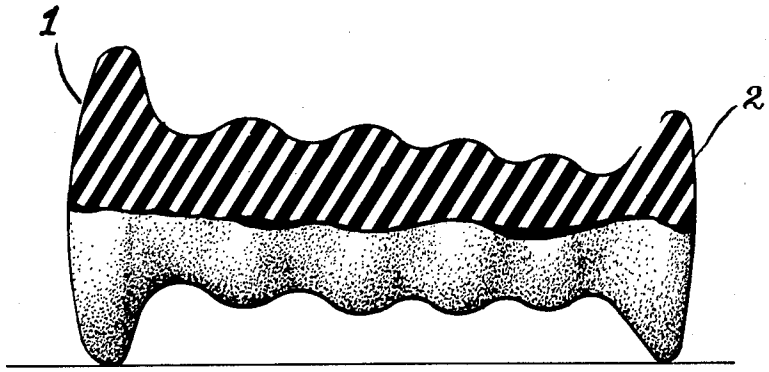

FIG 1

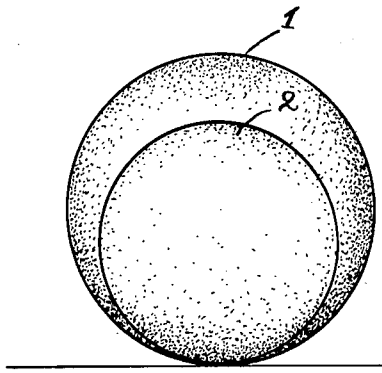

FIG 2

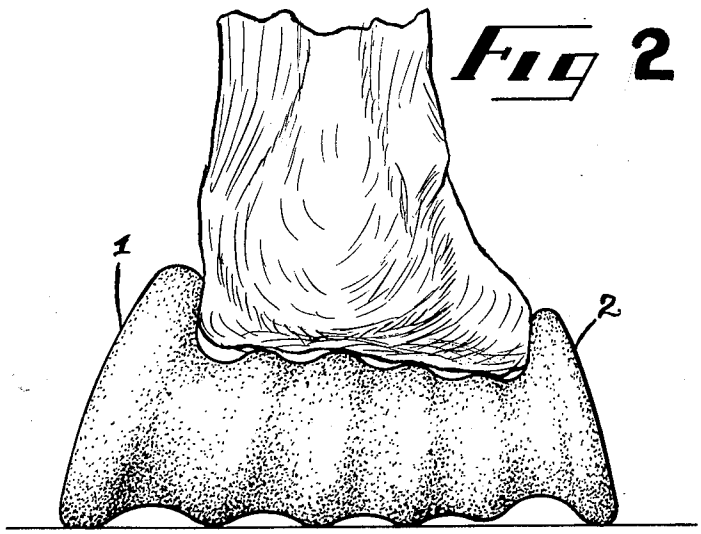

FIG 3

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FOOT TREATING DEVICE

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3 Claims. (Cl. 128—57)

The primary object of the invention is to provide a means for treating the bones of the feet so that the arch may be relieved from the condition commonly denominated "fallen arches", or "flat feet".

In describing the invention in detail reference will be had to the accompanying drawing wherein like characters denote like or corresponding parts throughout the different views, in which:

Figure 1 is an elevation of the invention, partly in section.

Figure 2 is an end elevation of the invention.

Figure 3 is an elevation of the invention, showing the shape of the device when in use.

The invention is a spool shaped device with flanges of different radii, containing four ribs forming five grooves between the said flanges.

The characters 1 and 2 denote the flanges upon each end of the invention of which the end denoted by character 2 is the smaller. By reference to the accompanying drawing it will be seen that the four ribs encircle the shaft intervening between the flanges denoted by characters 1 and 2. The ribs being larger at the end denoted by character 1, than at the smaller end designated by character 2, graduating from the larger end to the smaller end in size as set forth and shown in Figure 1 of the accompanying drawing.

It is intended that the device, or instrument, be made of rubber, rubber compounds, or any other suitable material. The size of the instrument and each of its component parts is varied and graduated according to the size of the pedal extremity to be treated or accommodated.

To operate the device, or instrument, the directions prescribed are as follows:

(*a*) Place the instrument upon the floor,

(*b*) Place the foot upon the shaft containing the ribs and grooves, with the larger end toward the inside of the foot,

(*c*) With the toes resting upon the top of the shaft, rest a portion of the weight of the body upon the device, consistently, of course, with bodily balance and physical comfort to the foot,

(*d*) Propel the foot, bearing as much weight as possible, forward until the heel is resting upon the top of the shaft containing the ribs, then move the foot backward until the foot and device are in the original position, during the movement of the foot forward and backward the device will have rolled with the movement of the foot,

(*e*) The operation as hereinabove last described is repeated continuously as long a period of time, or number of operations as may be prescribed for the treatment.

In the process of operation the flanged ends are pressed inward at the top massaging and supporting the foot on the sides and the ribs pressing upward upon misplaced bones and tissues tend to relieve any existing malformation or objectionable condition.

The process is thus prescribed to the end that the feet may be treated to obtain results as follows:

(*a*) To break up adhesions within the foot by action upon the bones and muscles in which they are forced into a position more nearly normal.

(*b*) To normalize circulation by massaging and exercising, thus effecting a redevelopment of muscles and muscular tissues.

(*c*) By exercising the muscles to stimulate weakening muscles and the attendant tissues.

(*d*) By exercise to effect the stimulation of weakened nerve tissues.

The device may be used on either foot by the simple method of maintaining the larger flange toward the inside of which ever foot it is desired should be treated.

It is thought, from the foregoing description, the advantageous and novel features of this invention will be readily apparent.

It is desired to be understood that changes in the construction and general shape of this invention, or any of its component parts may be made provided that such changes fall within the scope of the appended claims.

The claims are:

1. A foot treating device comprising a conoidal-shaped body of flexible resilient material terminating at its extremities in flanges spacing the body from a supporting surface, the flanges being of sufficient radial extent to bear laterally against and massage the sides of the foot when the latter is placed upon the body and the body rolled and flexed as a result of pressure and movement applied through the foot.

2. A foot treating device comprising a conoidal-shaped body of flexible resilient material terminating at its extremities in flanges spacing the body from a supporting surface, the flanges being of sufficient radial extent to bear laterally against and massage the sides of the foot when the latter is placed upon the body and the body rolled and flexed as a result of pressure and movement applied through the foot, the flange at the larger end of the body being of greater radius than the flange at the smaller end of the body.

3. A foot treating device comprising a conoidal-shaped body of flexible resilient material terminating at its extremities in flanges spacing the

body from a supporting surface, the flanges being of sufficient radial extent to bear laterally against and massage the sides of the foot when the latter is placed upon the body and the body rolled and flexed as a result of pressure and movement applied through the foot, the flange at the larger end of the body being of greater radius than the flange at the smaller end of the body and the body being formed with a series of encircling ribs of progressively increasing cross-section of which that rib of smallest cross-section is at the smaller end of the body.

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