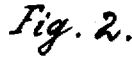
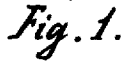


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Patented Feb. 14, 1922.



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UNITED STATES PATENT OFFICE.

WILHELM RUGE, OF BERLIN, GERMANY.

FOOT BANDAGE.

1,406,583.

Specification of Letters Patent. Patented Feb. 14, 1922.

Application filed April 18, 1921. Serial No. 462,419.

To all whom it may concern:

Be it known that I, WILHELM RUGE, a citizen of the German Republic, and residing at Berlin, Germany, have invented certain new and useful Improvements in Foot Bandages, of which the following is a specification.

This invention relates to an improved bandage for stopping deformations of human feet and for correcting such deformed feet, of that known type consisting of a kind of corset, which is placed beneath the sole of the foot and laced on top of the latter and which has straps for ensuring a firm hold of the bandage and for engaging the tendo-Achillis, and at its bottom a steel-plate adapted to the normal shape of the sole of the foot for the purpose of supporting the arch of the latter.

Such bandages have the drawback that they do not afford a satisfactory lateral hold while they exert a pressure on the foot by their edges, which results in pain to the person wearing the bandage. The main disadvantage is, however, that said bandages do not compensate the so-called knot or node of the ball of the foot, which is produced by the middle bones falling asunder, whereby the toes are contracted like a fan by the foot muscles and the head of the first middle-foot bone forms a right angle with the head of the first-toe bone.

The improved bandage forming the subject matter of the present invention, provides means for effectively overcoming the drawbacks afore-mentioned.

The accompanying drawing shows in—

Figs. 1 and 2 respectively an inner side view and an outer side view, of the right foot, while

Fig. 3 shows an underside plan view of the bandage belonging thereto, in detached unfolded position.

a designates the steel-plate for supporting the vault of the sole. On said plate, a leather piece b is riveted. On the sides of said leather piece, the lace-members c and d , and on its rear end a cap g , are fixed, straps

f intervening between the latter and said lace-members.

Said cap wholly surrounds the heel of the foot and extends to the lateral bent-up portions a^1 and a^2 of the steel-plate a , thereby preventing the foot from slipping rearwardly from said steel-plate and affording to the foot a safe lateral hold, whereby the noxious pressure of the lateral bent-up parts a^1 and a^2 of the steel-plate on the foot is avoided.

To the front end of the lace-members c , d , a ribbon i is attached by means of short connection-members k in such a way that, when the lace-members are fastened around the middle portion of the foot, said ribbon can be placed around the front part of the same at the region where the ball of the foot is situated, said ball being covered and thus protected against pressure by means of a soft annular pad lm provided on said ribbon. Said ribbon is fastened in position, together with said lace-members, by means of one and the same lace n passing through eye-holes h in the ends of said ribbon.

What I claim, is:

A foot bandage, comprising in combination, a sole steel-plate with bent-up lateral parts, a leather piece fixed on said steel-plate, two lateral lace-members on said leather piece, a heel cap fixed to the rear end of said leather piece and extending to the lateral bent-up parts of said steel-plate, straps intervening between said cap and said lace-members, a ribbon attached to the front end of said lace-members, having eye-holes in its ends, and a soft annular pad on said ribbon, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

WILHELM RUGE.

Witnesses:

WALTER SCHMITZ,
ERNST MÜLLER.