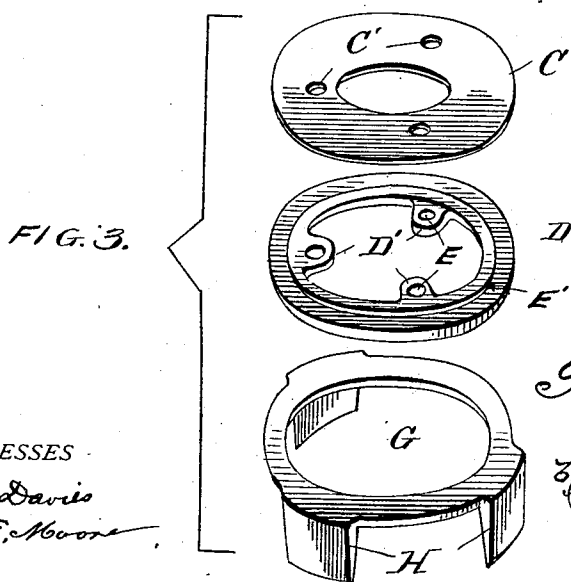
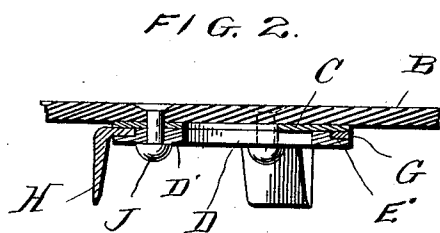
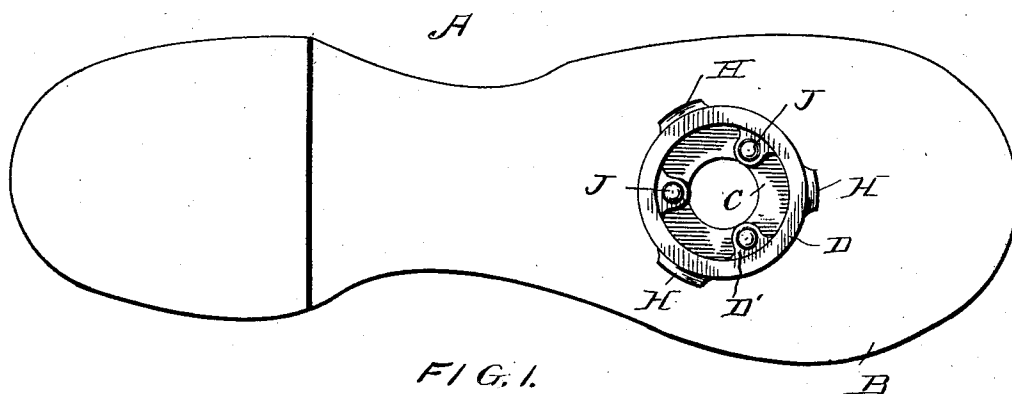


P. J. BRADY.
 BASE BALL SPIKE.
 APPLICATION FILED MAR. 13, 1911.

1,012,057.

Patented Dec. 19, 1911.



WITNESSES

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PATRICK J. BRADY, OF WILMERDING, PENNSYLVANIA.

BASE-BALL SPIKE.

1,012,057.

Specification of Letters Patent.

Patented Dec. 19, 1911.

Application filed March 13, 1911. Serial No. 614,031.

To all whom it may concern:

Be it known that I, PATRICK J. BRADY, a citizen of the United States, residing at Wilmerding, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Base-Ball Spikes, of which the following is a specification.

My invention relates to improvements in base ball spikes and the leading object of my invention is the provision of a device of this character which can be readily applied to the shoe and which will serve every function of the ordinary spikes, but which will have a rotary action which will accommodate the twist or turn of the foot and thus prevent the constantly recurring accidents to ball players.

Another object of my invention is the provision of a base ball spike having a rotary movement to permit turning of the foot to avoid injury, which device will be of simple, durable and inexpensive construction and which will prove efficient and practical in every particular.

To attain the desired objects my invention broadly stated consists of a rigid member and a revolving spike carrying member mounted in the rigid member and permitting turning, or movement of the foot to prevent breaking of the limb.

The invention also consists of a revolving spike embodying novel features of construction and combination of parts for service substantially as disclosed herein.

In order that the detailed construction of my device may be readily understood and its advantages for the intended purposes be fully appreciated I invite attention to the accompanying drawings.

Figure 1 represents a bottom view of an athletic or base ball shoe provided with my spike. Fig. 2 represents a sectional view taken through the sole of the shoe and the spike, and Fig. 3 represents a detail view of the parts composing the spike detached.

I have designated my device as a base ball spike for the reason that it is particularly applicable and desirable for that purpose and will prevent accidents to the limbs of the player but the spike may be used for any purpose where it would perform its functions in a practical and efficient manner.

The shoe A is of any well known character such as used by athletes and my spike is applied to the sole B, about under the ball of the foot, the device consisting of an attaching member C, having openings C' and a member D having lugs D' formed with openings E, an annular recess E' to receive the annular shouldered portion F, of the revolving member G, carrying the series of barbs or spikes H arranged upon its periphery, and to retain the revolving member in place between members C and D I employ the fastenings J which pass through the openings C' and E which aline and secure the device upon the sole of the shoe.

It will be understood that when a runner is attempting to steal a base or slide the spike will enter the ground and prevent improper slipping of the foot but will permit the foot to turn and thus tend to prevent breaking of the limb by the turning, straining or sudden twisting of the foot.

It will be apparent that my device can be applied to athletic shoes at a very small cost and will prove very desirable and useful for base ball players, runners and athletes in general and that its use will prevent injury to the limbs of the persons equipped with my device.

The barbs or spikes H, are of tapering form which causes them to enter the ground with ease and to be removed without difficulty.

I claim:

1. In combination with a shoe, a spike device secured thereto, consisting of an attaching member, a rigid member, a member carrying spikes retained therebetween by suitable fastenings and rotatable in said attaching member.

2. In combination with a shoe, a spike device composed of a rigid member having an annular recess, a spike carrying member adapted to be revolved by contact with the ground and having an annular shoulder fitting the annular recess, a plate securing the said spike carrying member, and fastenings passing through openings in said rigid member and plate to secure said spike carrying member in place between the attaching plate and the rigid member and to the sole of the shoe.

3. A device of the character described,

consisting of a rigid member, a member carrying spikes and mounted in said member and capable of a rotary movement, by reason of the annular shouldered portion of said member turning in the annular recess
5 of the rigid member, and a plate for confining the rotary spike carrying member.

In testimony whereof I affix my signature in presence of two witnesses.

PATRICK J. BRADY.

Witnesses:

JOHN W. MANIN,

JOHN F. BRADY.

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