(No Model.)

T. J. STRICKLAND.

BICYCLE PEDAL.

No. 347,977. Patented Aug. 24, 1886.

Fig. 1.

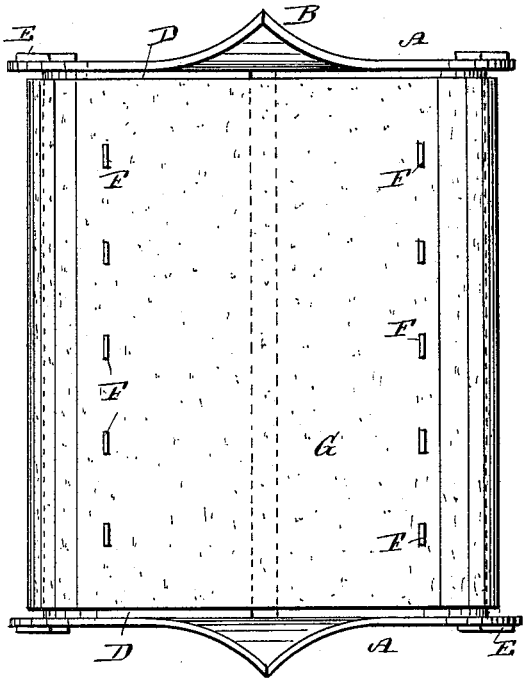
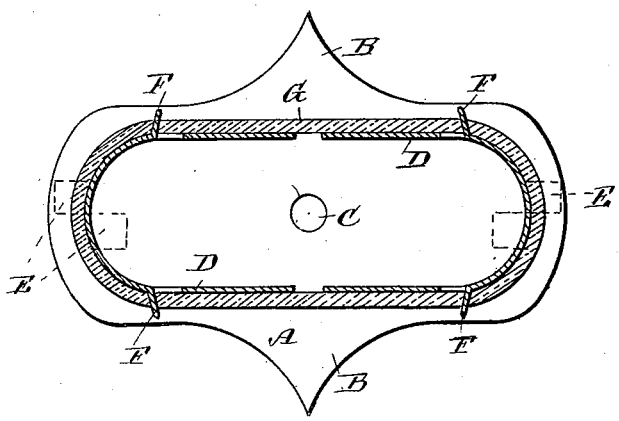


Fig. 2.



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THOMAS J. STRICKLAND, OF RANDOLPH, MASSACHUSETTS.

BICYCLE-PEDAL.

SPECIFICATION forming part of Letters Patent No. 347,977, dated August 24, 1886.

Application filed November 28, 1885. Serial No. 184,183. (No model.)

To all whom it may concern:

Be it known that I, THOMAS J. STRICKLAND, of Randolph, in the county of Norfolk and State of Massachusetts, have invented a new and useful Improvement in Bicycle-Pedals, of which the following is a full, clear, and exact description.

This invention relates to improvements in bicycle-pedals, and especially to the pedals used on bicycles for racing.

The object of my invention is to provide a new and improved pedal which is so constructed that the rider's foot cannot slip on the same, and the sole of the foot can rest only on the flat side of the said pedal.

The invention consists in the construction and combination of parts and details, as will be fully described and set forth hereinafter, and then pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both the figures.

Figure 1 is a plan view of my improved bicycle-pedal. Fig. 2 is a cross sectional view of the same.

The two end plates, A, are provided with the prongs or extensions B, which serve as guards to prevent the foot from slipping off the pedal, and each end piece is provided with an aperture, C, through which the shaft is passed on which the pedal revolves. Between the said end plates, A, the two U-shaped pieces D, of spring sheet metal, are held, the open parts of said pieces D facing each other, and the said pieces being provided in their end edges with the tongues E at the curved parts of the pieces, which tongues are passed through slots in the end pieces, A, whereby the said pieces D are held on the pieces A in such a manner that the free or inner edges of each piece D can be pressed together, the spring-tension in the pieces D forcing the said edges from each other again. Parts of the said pieces D are punched out to form the spurs or prongs F, which project from the outer surfaces of the said pieces D at the top and bottom, the prongs being at the closed ends of the pieces D.

The two pieces D are surrounded by a piece, G, of buckskin or like leather or fabric, or other material, in the manner shown, through which covering the prongs F project, the ends of the prongs being slightly above the surface of the covering.

The rider places his foot on the upper flat side of the pedal and presses the upper part of the pedal downward, as the free ends of the pieces D can give slightly under the pressure of the foot, and thereby the prongs F are moved slightly toward each other and grip on the sole of the shoe more firmly, allowing the push-and-pull movement.

The buckskin covering prevents slipping of the foot, and also prevents the toe part of the foot from being forced in between the free edges of the said pieces D.

When the edge of the pedal is at the top and the rider places his foot on the said top edge, the pedal is tilted and brought into such a position that the flat side will be at the top, ready to receive the foot.

The pedal is very light, as it is made mainly of sheet metal. It is safe, strong, and reliable, and can be used on any bicycle or tricycle.

The pieces D can be punched full of holes for the purpose of making the pedal light, while it retains its strength.

Having fully described my invention, I claim as new and desire to secure by Letters Patent—

1. A bicycle-pedal formed of two end pieces, between which two U-shaped pieces of sheet metal are held, substantially as herein shown and described.

2. A bicycle-pedal formed of two end pieces, between which two U-shaped pieces of sheet metal are held by tongues formed on the end edges of the U-shaped pieces and passed through slots in the end pieces, substantially as herein shown and described.

3. A bicycle-pedal formed of two end pieces, between which two sheet-metal pieces provided with spurs or prongs are held, substantially as herein shown and described.

4. A bicycle-pedal provided with prongs or spurs and a leather or other like covering, through which the said prongs or spurs pro-

ject, substantially as herein shown and described.

5. In a bicycle-pedal, the combination, with the two end plates, A, of the two U-shaped pieces D, held between the said end pieces at the closed parts of the said pieces D, the open sides of the pieces being adjacent to and facing each other, substantially as herein shown and described.

THOMAS J. STRICKLAND.

Witnesses:
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