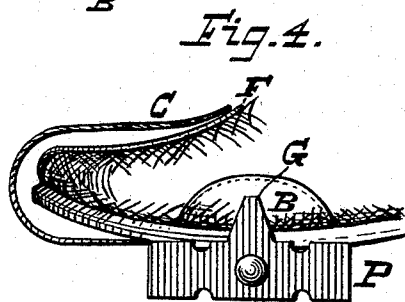
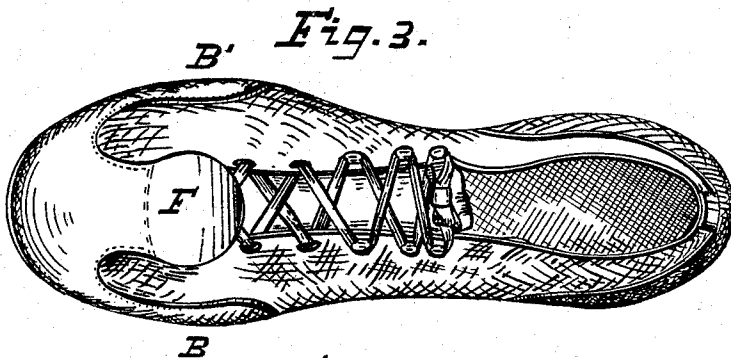
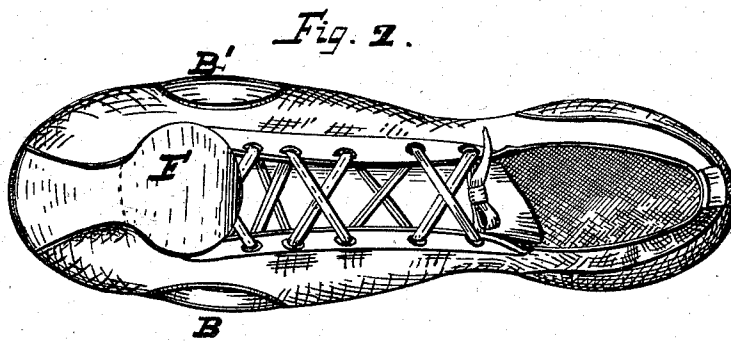
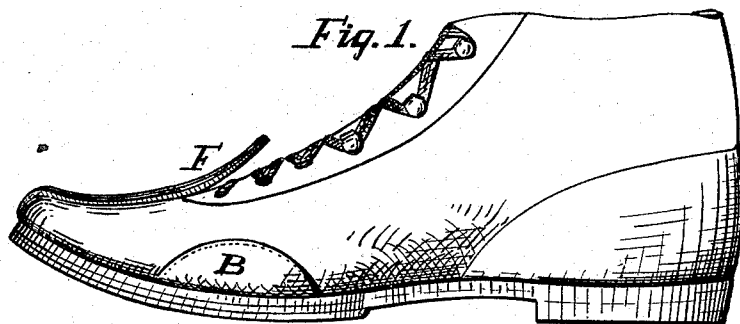


(No Model.)

C. L. CUSHMAN.
BICYCLE SHOE.

No. 535,816.

Patented Mar. 19, 1895.



Witnesses.
Alice Linney
Ella Robinson

Inventor.
Charles L. Cushman
by
Almon Robinson
his attorney

UNITED STATES PATENT OFFICE.

CHARLES L. CUSHMAN, OF AUBURN, MAINE.

BICYCLE-SHOE.

SPECIFICATION forming part of Letters Patent No. 535,816, dated March 19, 1895.

Application filed August 17, 1894. Serial No. 520,602. (No model.)

To all whom it may concern:

Be it known that I, CHARLES L. CUSHMAN, a citizen of the United States, residing at Auburn, in the county of Androscoggin and State of Maine, have invented certain new and useful Improvements in Bicycle-Shoes, of which the following is a specification.

Bicycle shoes, when properly designed, have the lacing carried well forward, as it is important to have an adjustable fit across the broadest part of the foot. On the other hand, when they are worn on bicycles whose pedals are provided with toe clips; it is found that the clip pinches the foot unless its bearing point is carried back of the toes, in which case it will rest upon and wear the lacing. Another source of injury to the shoe and foot is the guard at either side of the pedal. These guards strike the shoe at its broadest part and soon wear through to the foot of the rider.

The object of my invention is to provide a construction which will not be subject to the above objections.

My invention consists primarily in interposing between the bearing point of the toe clip and the shoe lacing a stiff cover or guard, which is fastened at one side and turns back out of the way of the lacing when desired.

My invention further comprises bearing pieces attached to the sides of the shoe at its broadest part which take the shock and wear of the guards on the pedal.

My invention further comprises the forming of the guard for the lacing and the bearing pieces at the side of the shoe from a single piece of harness leather which is shaped to fit over the toe of the shoe and fastened between the upper leather and sole.

In the accompanying drawings Figure 1 is a side view of my improved shoe; Fig. 2, a plan of the same; Fig. 3, a plan showing the lacing guard and the bearing pieces formed from a single piece of leather. Fig. 4 shows the relation of the toe clip and pedal side guards to the shoe.

In the drawings F is the lacing guard. In Figs. 1 and 2 this is shown as a strip of harness leather which is fitted between the upper leather and sole and stitched down to the shoe upper as far back as the lacing leaving a cir-

cular flap which can be turned up or down as desired.

B, B' are the bearing pieces for the side guards on the pedal. In Figs. 1 and 2 these are shown as made from thick leather and separately stitched to the side of the shoe. In Fig. 3 they are shown as formed from the same piece as F.

In Fig. 4 P is the pedal, C the toe clip, and G one of the side guards.

When I wish to use my invention I adjust the toe clip C to bear upon the middle of the lacing guard F, which distributes the pressure of C over the part of the foot where it will cause the least inconvenience; while at the same time the thick leather bearing pieces B B' receive and distribute the pressure of the side guards C. When the shoe is put on and off the lacing guard F tips forward out of the way.

Having now fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. In a bicycle shoe, a lacing guard which is interposed between the toe clip and the lacing, and is attached by one edge to the upper of the shoe near the lower end of the lacing, and has at the same time, such a degree of stiffness that it transmits the pressure of the toe clip to the whole breadth of its contact with the shoe upper, and such a degree of flexibility at or near its line of attachment to the shoe that it will readily turn back out of the way of the lacing; all as set forth.

2. In a bicycle shoe a flexible lacing guard, of which the lower part is attached to the upper of the shoe below the lacing, while the upper part is free to turn back toward the toe; in combination with bearing pieces for the pedal side guards; all formed from the same piece of leather and attached to the upper substantially as and for the purpose set forth.

In witness whereof I have hereunto set my hand, in the presence of these witnesses, this 15th day of August, 1894.

CHARLES L. CUSHMAN.

Witnesses:

GEORGE C. WING,
W. H. COMFORTH.