

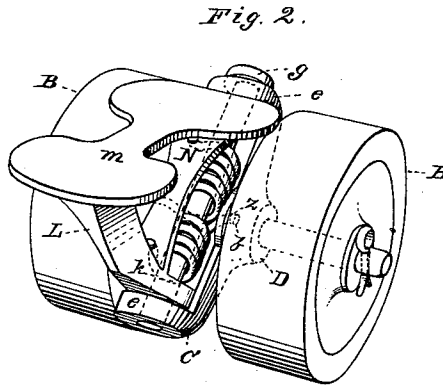
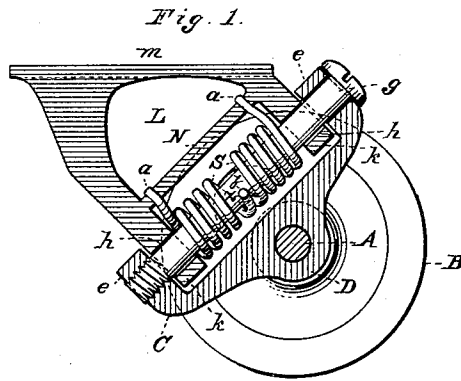
(No Model.)

O. F. TUCKER.

ROLLER SKATE.

No. 348,249.

Patented Aug. 31, 1886.



WITNESSES

Villette Anderson.
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UNITED STATES PATENT OFFICE.

OZRO F. TUCKER, OF DECATUR, ILLINOIS.

ROLLER-SKATE.

SPECIFICATION forming part of Letters Patent No. 348,249, dated August 31, 1886.

Application filed June 17, 1885. Serial No. 162,971. (No model.)

To all whom it may concern:

Be it known that I, OZRO F. TUCKER, a citizen of the United States, residing at Decatur, in the county of Macon and State of Illinois, have invented certain new and useful Improvements in Roller-Skates; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 of the drawings is a representation of this invention, and is a vertical section. Fig. 2 is a perspective view taken in the rear.

This invention has relation to roller-skates; and it consists in the construction and novel arrangement of devices, all as hereinafter set forth, and pointed out in the appended claims.

The object of this invention is to improve the construction of skate-trucks wherein an oblique movement of the roller-shaft results from pressure on one side or the other by the employment of a spiral spring in the manner indicated to rectify the position of the roller-shaft and rollers after being relieved from the pressure.

In the accompanying drawings, the letter A designates the roller-shaft, and B the rollers on the end portion thereof.

C is the lower or oblique casting, having the barrel D, through which the shaft passes. The ends of this casting are formed with bearings *e* for the ends of the oblique pivot *g*, which also passes through the eyes *h* of the flanges *k* of the angle-casting L, which is formed with the level flange *m*, for attachment to the body of the skate. This angle-casting is formed with an interior or middle bar or perforated bear-

ing, N, which serves to engage the ends *a* of the spiral spring S, which is coiled about the oblique pivot-pin, their ends *b* being secured in bearings *z* of the lower or oblique casting, below the oblique pin. The oblique pin is usually threaded at the end to engage a threaded bearing of the cast portion. The tension of these springs is regulated to hold the roller-shaft true and at right angles to the plane of the flange *m* when there is no pressure. When pressure is applied on either roller, the shaft turns obliquely, and thereby facilitates the movements of the skater in turning.

I am aware that it is not new to provide a roller-truck with a roller-shaft, which takes an oblique position upon the application of side pressure and moves its true position automatically; and I do not claim such invention, broadly.

What I claim, and desire to secure by Letters Patent, is—

1. In a roller-skate, the spiral springs S, applied on the oblique pin connecting the lower or roller casting to the upper or body casting of the skate, substantially as specified.

2. A roller-skate truck consisting of the lower casting, having a barrel for the roller-shaft and bearings for the ends *b* of spiral springs, the oblique pivot-pin on which the spiral springs are secured, and the upper flanged casting connected to said lower casting by the oblique pin, and having bearings for the other ends, *a*, of the spiral springs, substantially as specified.

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

OZRO F. TUCKER.

Witnesses:

WM. W. SCUDDER,
WILLIAM G. BLACK.