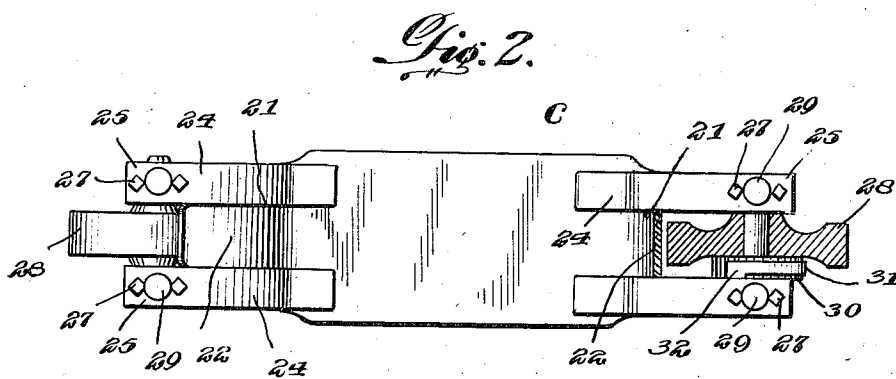
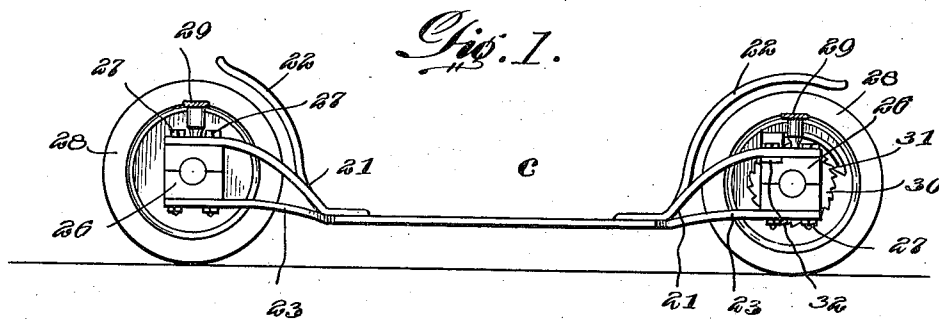


D. COOPER.  
SKATE.

APPLICATION FILED MAY 28, 1915.

1,185,484.

Patented May 30, 1916.



Inventor

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Witnesses

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# UNITED STATES PATENT OFFICE.

DANIEL COOPER, OF ADA, MICHIGAN.

## SKATE.

1,185,484.

Specification of Letters Patent.

Patented May 30, 1916.

Application filed May 28, 1915. Serial No. 31,024.

*To all whom it may concern:*

Be it known that I, DANIEL COOPER, a citizen of the United States, residing at Ada, in the county of Kent and State of Michigan, have invented new and useful Improvements in Skates, of which the following is a specification.

The present invention relates to improvements in roller skates and has for its object the provision of a novel construction of such devices, which is simple in its nature, cheap to manufacture, durable and efficient in use.

Another important object of the invention resides in the provision of a device of this character with means for preventing backward movement of the skate, to permit an effective purchase to be had upon the ground, which is both desirable and essential with beginners in the sport.

Other objects will appear as the nature of the invention is better understood, the same residing in the specific construction, combination and arrangement of parts herein-after more fully described and claimed.

In the drawings forming part of this application like numerals of reference indicate similar parts in the several views and wherein:

Figure 1 is a side elevation of a still further modified form, and Fig. 2 is a top plan view thereof partly broken away.

The device shown comprises a frame C constructed from an elongated strip of suitable material, longitudinally split adjacent its opposite ends as at 21 for a portion of its length, to provide a central tongue 22 and the separated portions 23. Extending upwardly from each of the separated portions 23 from their point of connection with the body portion of the frame, and integrally or otherwise connected therewith, is a strip of material 24 having a straight portion 25 disposed above and in parallelism with the free ends of the separated portions 23 defining a fork. Arranged between the members of the fork is a sectional journal box 26 secured thereto by means of fastening bolts 27 passed through the journal box and the members of the forked portion of the frame.

A wheel 28 is arranged between the separated portions 23 and has its axle suitably mounted in the journal box 26. Fixed upon the strip 24 adjacent the free end thereof is an oil cup 29 for lubricating the axle of the wheel as will be readily understood. The central tongues 22 extend upwardly and are properly formed to provide mud guards for the wheels.

With a view of preventing retrograde movement of the skate, thereby providing for an effective purchase to be had upon the ground while in the act of skating, which is both desirable and essential to beginners in the sport, I provide the hub of the rear wheel 28 with a ratchet wheel 30, which is normally engaged with a resilient pawl 31 the latter having an offset portion 32 positioned within a suitable recess in the upper section of the journal box and secured therein by means of the fastening bolts 27. By reason of the construction hereinabove described, it will be manifest that forward movement of the skate will not be in any way effected by means of the pawl and ratchet mechanism, the latter only operating to prevent retrograde movement of the skate primarily for the purpose hereinabove mentioned. It is to be further understood that any suitable material may be employed in the production of the skate in its entirety.

It is believed that from the foregoing description the nature and advantages of the invention will be thoroughly understood without requiring a more extended explanation and therefore the same has been omitted. It is to be understood, however, that I do not limit myself to the precise construction and arrangement of parts herein illustrated and described, as various changes may be resorted to when desired as fall within the scope of the appended claim.

What is claimed is:—

A skate comprising a frame longitudinally split adjacent its opposite ends to provide a central tongue and separated portions, strips of material terminally connected to the frame at its point of juncture with said separated portions, said strips extending up-

wardly in spaced relation above the said  
separated portions, a sectional journal box  
secured between each of said separated por-  
tions and its associated strip, a wheel jour-  
5 naled between each pair of boxes, and said  
central tongue defining a mud guard for said  
wheel.

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

DANIEL COOPER.

Witnesses:

WM. J. MICKEL,  
BURR B. LINCOLN.