

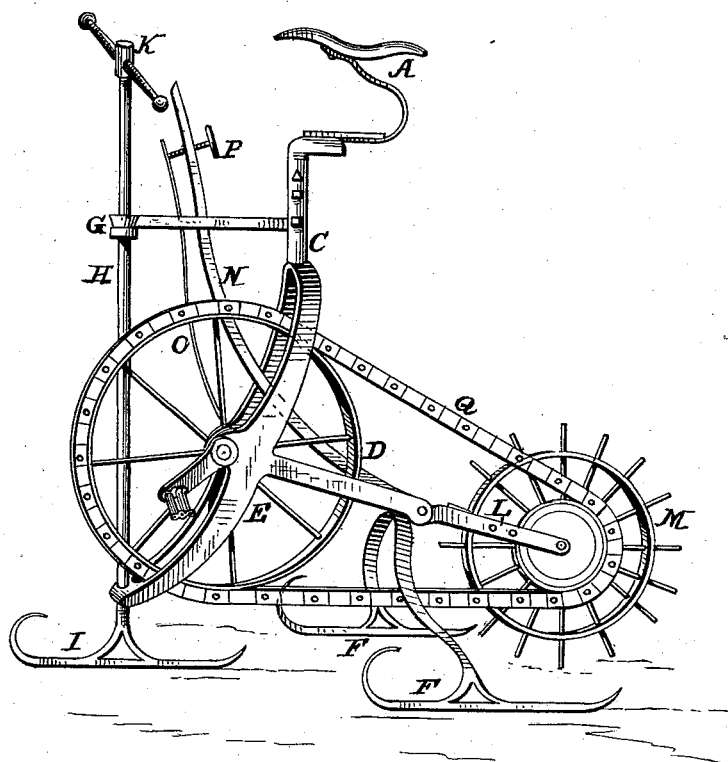
(No Model.)

J. SCHEMMEL.

VELOCIPÈDE.

No. 381,956.

Patented May 1, 1888.



WITNESSES.

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UNITED STATES PATENT OFFICE.

JULIUS SCHEMMEL, OF CHIPPEWA FALLS, WISCONSIN.

VELOCIPED.

SPECIFICATION forming part of Letters Patent No. 381,956, dated May 1, 1888.

Application filed September 14, 1887. Serial No. 249,711. (No model.)

To all whom it may concern:

Be it known that I, JULIUS SCHEMMEL, a citizen of the United States, residing at Chippewa Falls, in the county of Chippewa and State of Wisconsin, have invented a new and useful Improvement in Velocipedes, whereby they may be adapted to run on ice or snow, of which the following is a specification.

My invention relates to a class of velocipedes having three runners and a spur-wheel. I attain the objects of my invention by the mechanism illustrated in the accompanying drawing, in which a perspective view is shown.

A saddle, A, resting on a spring, B, is mounted on a frame in which revolves a wheel propelled by treadles E E. The frame is supported behind by two runners, F F, and in front rests upon a collar, G, on an upright shaft, H. The upright shaft H has at its lower end a runner, I, and at its upper end handles K, by which the shaft and runner may be turned to steer the machine. At the rear end of the frame, at L, is hinged a lever extending forward and terminating in a handle, N, in front of the seat and having two arms extending backward to support a spur-wheel, M, having teeth to engage the ice or snow. This wheel is raised or depressed by means of the handle N. On the handle N is a spring, O, which, by being adjusted by a hand-wheel and screw to press on the frame, holds the handle up and adjusts

the traction of the wheel M. On the side of the wheel M is a flange having teeth or sprockets to engage the links of a drive-chain, Q, which derives its motion from drive-wheel D. It is operated by a person sitting on the seat and turning the treadles with his feet, as in a bicycle. The motion of the drive-wheel is conveyed to the spur-wheel by the chain. The teeth of the spur-wheel catch in the ice as it revolves and propel the velocipede on its runners. When it is desired to slide without propulsion, the spur-wheel is raised off the ice by its lever. When it is desired to stop suddenly, the spur-wheel is held firmly on the ice and the treadles held or reversed with the feet.

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

In an ice or similar velocipede, a main frame, a swinging frame pivoted to the main frame, a traction-wheel hung in the swinging frame, a lever attached to the swinging frame, a spring secured to the main frame and extending upwardly, and an adjustable tension device secured to the upper ends of the lever and spring, the parts in combination, for the purposes substantially as set forth.

JULIUS SCHEMMEL.

Witnesses:

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