

# The Democratic Sentinel

RENSSELAER, INDIANA.

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## WRINKLES IN WHEELS

### MANY NEW NOVELTIES BEING INTRODUCED.

Bicycles Rigged for Sails by Which Great Speed Is Attained—Device of a Frenchman to Bring the Arms Into Play While Riding a Wheel.

#### For Those Who Ride.

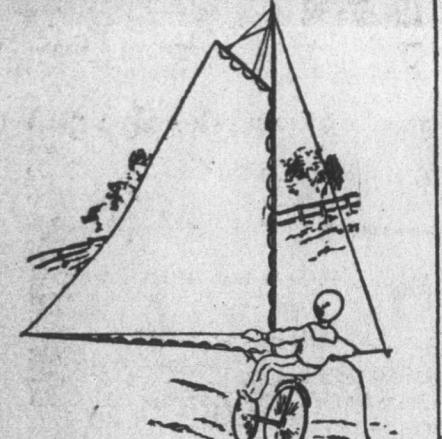
The friends of cycling are legion and their number is augmented every day. A short time ago the popularity was at its height and the enforced dullness of the winter months the cyclist dreams but of the prospective enjoyment of another season. Long before the advent of the first robin and the timid circus, the wheelman has burst in full bloom and can be seen gayly "pumping" through mud and slush having a glorious time in making himself and others believe that gentle spring has come. It is no longer necessary for the cycle enthusiast to, during the winter months, consign his "trustee" to an obscure corner, there to gather dust and rust and dust. An enterprising genius in Erie, Pa., has come to the rescue and invented an ice and snow bicycle which is to fill the ever-present long-



PROPELLED BY HANDS AND FEET.

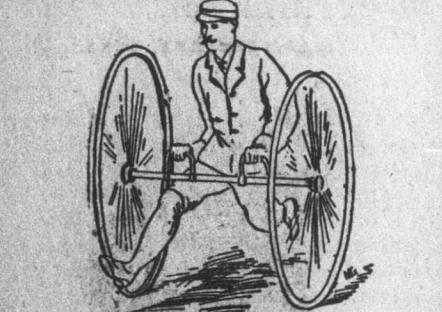
feet want. The inventor claims great things for this machine, and if it can perform half of what is promised, the ice cycle ought certainly to become popular. The new affair is provided with runners and has a skate-like equipment clamped to one of the wheels. The tire of the hind wheel is furnished with sharp prongs by the means of which a good grip is secured on a slippery surface. The speed attained by the ice cycle under favorable circumstances is said to be very great. Nevertheless it is doubtful if in its present development the machine can become popular.

The decided novelty in the bicycle world, and on which will be sure to create a sensation, is a machine invented by M. Valere, a noted French engineer. It is on exhibition in Paris, where it has attracted considerable attention from all wheelmen attending the great bicycle exhibition now being held in that city. The most serious objection to the sport has been that while the legs and their muscles are getting more than enough of exercise, the arm and upper portion of the body receive relatively none,



SUGGESTION FOR LONG-DISTANCE RIDING.

being, as a rule, held in a rigid position. It is with the aim to overcome this grave drawback that Valere has constructed his bicycle, which he has given the name of "running machine." On account of the motion made by the arms, the arms of this machine are entirely dispensed with, and in their stead are two levers, which are worked almost horizontally. When in motion the rider looks like a person running and swinging his arms. That is to say, when the left leg, for instance, is advanced in pressing down the pedal the right arm performs the corresponding movement in putting one of the levers backward. There is a concerted action of both hands and



feet, the repulsion of the one and the traction of the other. These two forces are concentrated to give the bicycle the highest momentum of speed. The inventor appeared before the Minister of Liberal Arts and by his many practical tests of the various advantages claimed for his machine was given a document in which Valere is declared to have "invented, out of the heat of bicycles." Great is his invention, indeed, if it can be practical, demonstrated that a man in riding this contrivance can use his arms as effectively for a driving power as he can his legs. Aside from this advantage there will be an opportunity for the development of as formidable biceps as there is now of calves.

When it comes to speed this new machine is a marvel; there has been

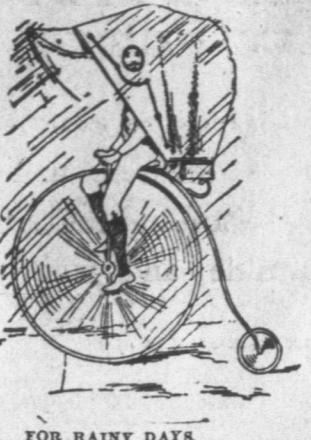
even half of the wonderful things promised for this new machine be true, we can look forward to a complete revolution of bicycling.

For a pacemaker the quadruplet seems to win more favor than any other machine of the same nature. It is not a feature that will become popular, and few clubs will indulge in the extra-

balance on the lee side, no matter how stiff the breeze may be.

The comforts of the riders and their protection against the inclemency of the weather have also been looked after more than ever. One manufacturer proposes to provide fans connected with the running gear, which will in no way impede the speed but cool the brow of the rider, weary pumping away on a dusty road under a scorching sun. The same man has also in contemplation a contrivance somewhat in the shape of a buggy top, which will serve as a protection during thunder or other showers. Both these devices will, when they materialize be hailed with delight by all wheelmen, who now are at the mercy of all kinds of rough weather.

Taking everything into considera-



FOR RAINY DAYS.

gence of one or more of these swift but cumbersome machines; their place is more among the freaks than among the regular "wheels." In this class may also be mentioned a new "trainer," consisting of a pair of wheels, the axle of which is provided with adjustable handles. You push these wheels before you are run or walk at any pace described. This mode of exercise is said to be extremely beneficial in strengthening the lungs and securing great development of the chest. For people to whom this would seem too violent exercise, the new room cycle offers every advantage. With this in your chamber you can enjoy all the excitement of a "run" or race without any of its attendant drawbacks. A gauge in front indicates at what a terrible rate of speed you are going while you are standing still. For persons of sedentary occupation and those who think their rotundity some-

may look forward to a season which will be pregnant with number of new-fangled ideas, both in the shape of

ROOM VELOCIPED OR HOME TRAINER.

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