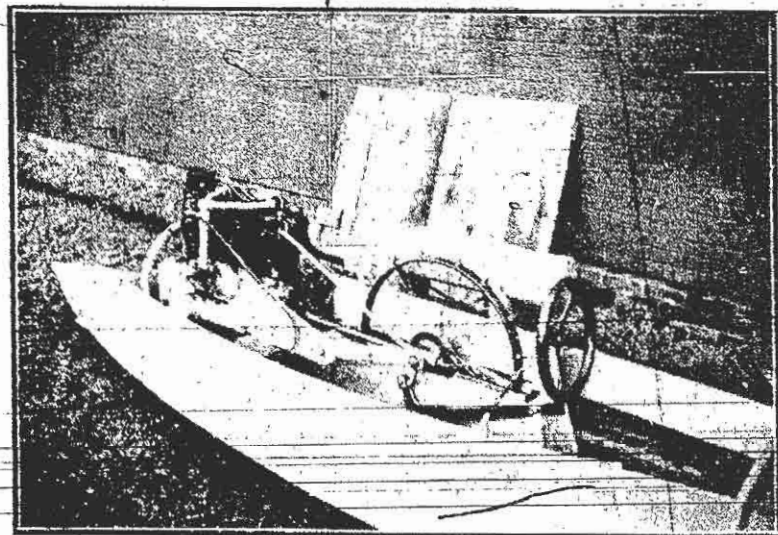

THE MOTOR SCOOTER

PATCHOGUE'S LATEST INVENTION

May Make 100 Miles an Hour—Speed Trials Made
This Week by the Inventor, Nat Roe, of
Justus Roe & Sons

This week Inventor Nat Roe has been trying his new motor scooter, Patchogue's latest product and the only one of its kind in the world. As the sporting fraternity is not to envy this new invention is attracting great attention. Wednesday of last week Mr. Roe had Mr. Parhington and Mr. Thompson of the Motor Parkway Company out in his machine and they are enthusiastic over it. They saw it last week on Canaan Lake but here the course was so short high speed could not be made.

This week on the bay under unfavorable conditions Mr. Roe's motor scooter made over a mile a minute. The regular sail scooters going in a good breeze were allowed to make half way to Blue Point and then were picked up by the motor scooter. This scooter is just an ordinary 14-foot scooter, with its sharp prow and



The Motor Scooter, Showing Mechanism

a half rounded stern and fitted with a high speed motor. The scooter is just under 5 feet in width and is of the usual depth of hold as the sail scooters.

As will be seen by the picture the motor is installed in front of the cockpit. It is a remarkable motor, weighing only 150 lbs. with balance wheel. It formerly furnished the motive power for a flying machine which was abandoned at Ogdensburg, N. Y., where Mr. Roe secured it. It is of 20 horse power and has a speed of 2,500 revolutions a minute, which makes 5,000 explosions a minute on high speed, sounding like a battery of rapid fire guns in action. It has ball bearings. It is mounted on rubber cushions to minimize the jar. The driving mechanism is a 28-inch wheel fitted with chisel point teeth on the rim which catch in the ice and drive the boat along. This wheel is geared to 800 revolutions per minute which insures a speed of 70 miles an hour. With good ice it is thought that the novel machine can make 100 miles an hour.

The steering gear is a novel arrangement, a combination of automobile and ice-boat. There is a strip of steel about five feet long and a half inch wide with a running service to the ice of about fourteen inches, set halfway between the stern and center of the craft, which serves as a rudder. This rudder is operated by a



Inventor Roe and Motor Scooter

small wheel, the same as used on sailing craft, and fitted with a wire cable which runs around the outside edges and is attached to the front end of the blade-rudder. The scooter responds to this rudder quickly and easily, turning almost within its own length at any speed. In fact, the entire fittings are like those of an automobile and it is operated as is the latter machine. There are the two levers for speed and breaking.

The angle of the runners and the steering arrangement are both directly opposite to the arrangement of an ordinary sailing scooter. In the sailing scooter the craft has no rudder and is steered by its jib, but as the motor scooter carries no sail Mr. Roe had to adopt his own idea. The gasoline tank is carried at the stern and the tank holds five gallons. The weight of the entire scooter, with its engine, etc., is not more than 300 pounds.

Mr. Roe hitches one end of his machine upon a shaft between two automobile wheels and tows it down to the ice behind his automobile. It is expected that the novel craft will be exhibited at the Sportsmen's show in New York this month.