always commanded the highest price of any of our spring wheats; it is, as named, a bald variety; and in favourable seasons, a very fine sample with large bright berries. The bearded variety grew a very short car, resembling a *club* with six or eight rows in the ear; it was best adapted for low, strong land, as it was not subject to rust, it yielded middling well, but was very hard to thrash-no fear of its shaking -it was rather fine and weak in the stem, very apt to lodge, which made it troublesome to harvert-there has been none of it grown here for many years. The Black Sca wheat, and the Tea wheat, were tried to some extent, but with no marked success. These two varieties were very similar, if not identical; rather soft in the straw, very apt to lodge and crinkle down; there has been none of them grown lately. But by far the most valuable variety that has ever been tried here is the "Fife Wheat;" it began to be introduced into this to uship in 1849, having been grown in the neighbouring town-ship of Otonabee for six years previously, and on all low wet strong land has entirely superseded all other kinds. Its most marked quality is its being always free from rust, and its bearing to be sown so late in the season as to escape the fly in a great measure; it is a bald variety, moderately productive, is reckoned rather hard to grind, but makes good flour. Its introduc-tion was providential, as without a variety with its properties it is hard to say what the farmers on the low wet lands in the township would have done.

It does not reflect much credit on our farmers that they have not ere this bestowed some public testimonial on the gentleman who was the means of introducing it into the Province—he certainly has been a public benefactor, and we hope he will not be allowed to pass away without some mark of esteem for his public spirit; would all our farmers who have directly benefited by it (not to speak of other classes who have been indirectly benefited) contribute only one dollar each, we feel assured it would make a handsomer testimonial than was ever presented to any man in Canada.

There is a variety called the China wheat that has been tried of late; it is a heavily bearded kind, said to be best on light land; it has not been sufficiently tried to see whether it will prove valuable or not. The first prize for spring wheat has been twice awarded to this township at our Provincial Shows.

Before passing from the cultivation of wheat we would notice briefly the insect enemies by which it has been attacked in this township; in doing so we will confine ourselves chiefly to our own observation and experience. During the years 1840 to 1844 a fly that somewhat resembles the Hessian fly ic the manner it damaged the wheat crop; it did considerable damage, but it soon passed away, and we have not observed it in any considerable numbers until the past two seasons, when it has again make its appearance. We are inclined to think its not the Hessian fly, but some one or other of the species of Joint flies. The larva of this fly we have found in the first or second (very rarely in the third) joint from the ground; when the larva makes its escape it eats through one add of the stem of the wheat, thus causing its crinkle and fall down. The larva is of a dat brown colour, tapers to both ends, and is rather more than the eighth of an inch long; its ran ges have never been very extensive, therefore the fly has been little noticed.

The next insect enemy to the wheat the made its appearance was a catterpillar, which we first observed in 1843, and in that and the two following years it was rather prevalent, caused considerable alarm among farmers at y time; after 1845 it passed away, and way observed till 1853, when it again made its p pearance, and was to be found in most of or wheat fields till 1356; since then we have seen a single specimen, nor her d anything its ravages. This catterpillar is called in t New York reports, "Gaylord's Wheat Call pillar," and we believe the fly that deposits has never been ascertained. Asa Fitch # New York State Entomologist, to whom were specimens in 1.56, states so, and was n. anxious to have the parent fly ascertained. have, on one or two occasions, attempted preserve them through winter, but have also failed. There was mostly only one or inon terpillars in a head of wheat, (occasionally. have seen three,) they completely destroyed. grain of wheat they were bred in; and, where numerous, might be found crawling about. barn in great numbers, after the wheat had a taken in. When cleaning up the wheats thrashing, the screenings would appear with them; and, when disturbed, would roll coil themselves up. When the catterpillar. first seen, they were not more than one tem. an inch long, those we kept grew till theyer. ed 3 of an inch in length. On their first an ance they had a soft cylindrical body of all colour; the head much darker than the w with the appearance of five dull stripes along body and at least six pairs of legs; they day ed the wheat soon after it was put in the those we kept knawed hard grains of when, ginning at the seed end; they seemed top. alike in early or late wheat, as we have h them in the fall wheat harvested in July. spring that was not sown till after the ma May.

The damage done by this enemy of the was trifling, compared to what was done wheat fly or Midge, (the cecidomyia h which first made its appearance here in and has ever since injured our wheat on or more. This insect is too well known our farmers to need any description. It well known the fly comes first out from

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