

"Club-Root of the Cabbage and its Allies" (*Plasmodiophora brassicæ*, Wor.) is the text of Dr. Halsted's interesting article. The nature and history of the disease which causes the roots of cabbage to become distorted, and which belongs to one of the slime moulds, is clearly described, and the best course of treatment outlined. Some of the conclusions reached are as follows:—

"The malady is due to a microscopic parasite which infests the cells of the roots, causing them to become swollen and distorted."

"The spores of the fungus, upon the decay of the part affected, become scattered through the soil, and from thence the enemy enters the plant."

"The disease affects several plants of the cabbage family, including turnips, kale, radish, stock and candytuft."

Among weeds, shepherd's purse and hedge mustard are also infested.

"Preventive measures must be relied upon, for the affected parts of the plant are below ground, and not readily reached by any fungicide."

"If the crop is diseased, all refuse at harvest time of roots, stems, and leaves should be burned."

"All seedlings from hot-beds with signs of club-root should be destroyed, and if possible use only plants from beds in which there is no disease."

"Cabbage, kale, brussels sprouts, kohlrabi, turnips, or radishes should not follow each other on the same land if club-root is prevalent."

"Lime added to the land, 75 bushels per acre, has proved effective. It is possible that some commercial fertilizers may be found to check the trouble."

"Keep the land free from shepherd's purse and hedge mustard, and other weeds of the same family, as their roots become "clubbed" and thereby propagate the enemy."

Among other articles of interest in this readable pamphlet, is one on the possibility of utilizing a native, and hitherto noxious weed, known as "Paddy's Lucerne" or "Queensland Hemp" (*Sida rhombifolia*, Linn.,) as a fibre plant. Another describes "A New South Wales Bitter Vine" (*Piptocalyx Moorei*, Oliv.,) from which a drug of at present unknown properties is prepared.