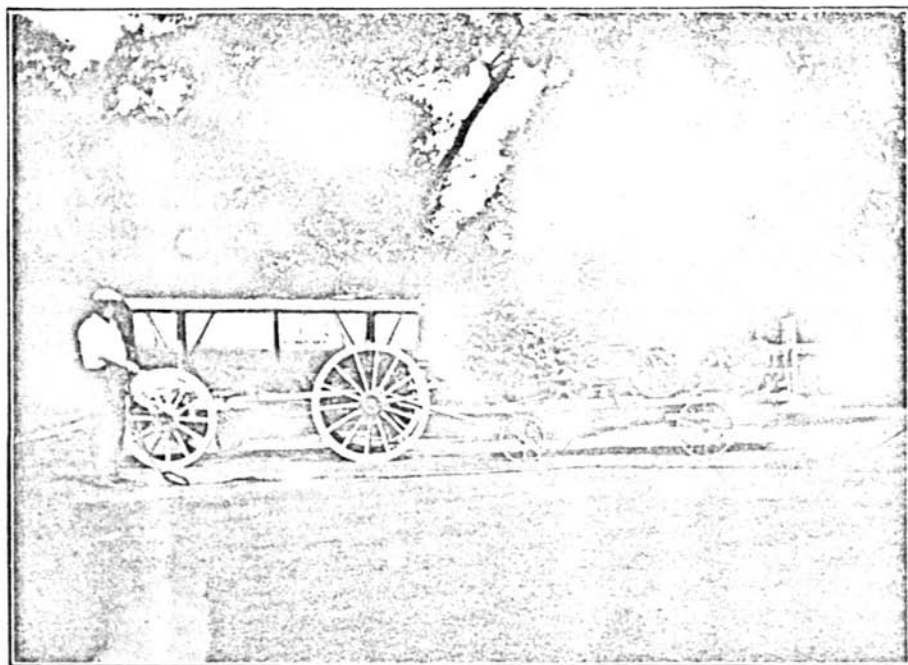


tank is a galvanized steel thresher tank of nine-barrels capacity, permanently fixed on a wagon. The pumping outfit is fixed on a low truck with a platform 9 feet long and 3½ feet wide, upon which is placed in the center a three-horsepower gasoline engine; at one corner an ordinary one-cylinder pump for spraying liquid manure, ammonium sulfate, or sodium nitrate; at the diagonally opposite corner a power spray for Bordeaux mixture; at

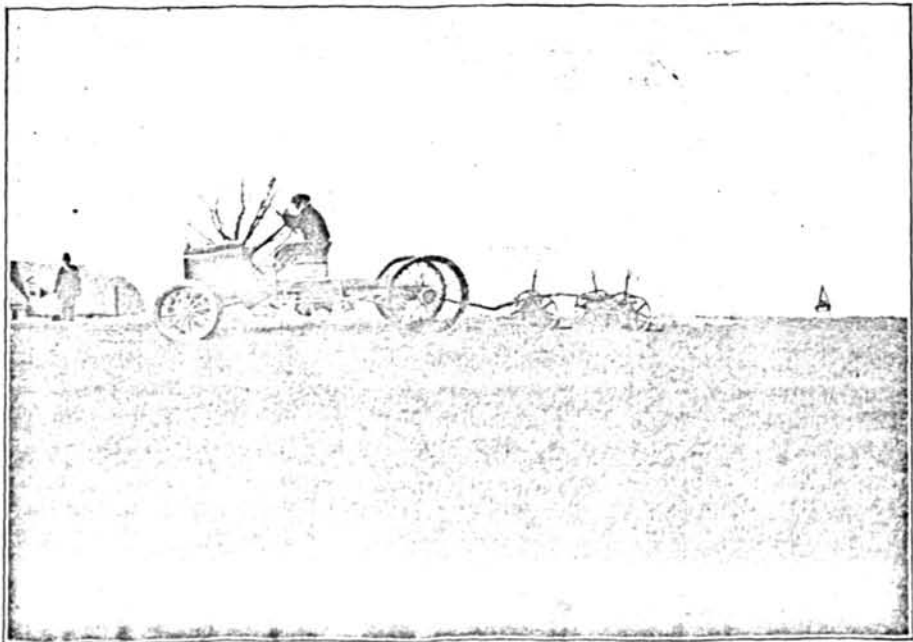


another corner a hose-reel; and near the engine a 50-gallon wooden barrel for Bordeaux or corrosive sublimate. The steel tank on the separate truck is for holding liquid manure or the chemical fertilizers in solution. The power plant and thresher tank wagon are hauled from green to green, either by horses or auto. With this outfit Bordeaux mixture can be sprayed on eighteen greens in three to four hours, using, of course, a Bordeaux spray nozzle. A better, though more expensive plan, would be to have the platform permanently fixed on a light automobile truck which could be used also in hauling the thresher tank wagon.

ADVANTAGES OF TOP-DRESSING DIRECT FROM THE DUMP CART.—I have read a great deal in THE BULLETIN of the different methods of topping greens by using a wheelbarrow. I find, however, that by mixing everything that is needed for topping, at the compost pile, including seed, and then taking as many loads as necessary and topping direct from the dump cart, I can save time and material. Furthermore, by this method nothing objectionable remains near the green to annoy the golfer; no grass seeds are shoveled up with the top dressing, and that cherished rendezvous of the Japanese beetle—spots where manure has been dumped—is no longer close to the

green. I have tried all methods of top-dressing, such as carrying around planks, etc., and with the result that I find I can top-dress more quickly and better from the carts.—ARTHUR LAVER, GREENKEEPER, OAKLAND GOLF CLUB, BAYSIDE, L. I.

THE GREENKEEPER'S PAY; SOME QUESTIONS FOR THE READERS OF THE BULLETIN.—Why is the greenkeeper the lowest paid of the three employees who run the golf club? Most golf clubs have three employees who figure in the running of the club—the golf professional, the steward, and the greenkeeper. Many a good golfer never took a lesson from a professional. He can play golf without taking lunch or dinner at the club, but he can not play golf without tees, fairways, and greens. How is it that the greenkeeper is, as a rule, the lowest paid of the three? In fact, the chef gets more pay than the greenkeeper, in some cases. Whose fault is this? Is it the fault of the greenkeepers themselves? Only a short time ago A. G. Spaulding and Brothers gave a purse for all the golf professionals of this section of the country to play for, and they were given a dinner at one of the hotels in the evening. They did not even thank the greenkeeper who went to the trouble to get the course ready for them.—J. J. McNAMARA, PITTSBURGH FIELD CLUB, ASPINWALL, PA.



Tractor and mower combination used by the Shannopin Country Club, Ben Avon Heights, Pittsburgh, Pa. Dr. J. L. McBride, Chairman of the Grounds Committee, writes that the combination was in use daily last season, the only expense being for gasoline and oil. Much hauling has been done on the course by attaching a dump-cart to the tractor. It consists of a chassis of standard make converted into a tractor by the use of a special attachment manufactured for the purpose.