

it requires a great quantity of water to wet it thoroughly. Two or three days after being wet it heats to such an extent that one can not hold his hand six inches from the surface of the pile, and in a few months it reaches the condition of the sample being sent you. It does not give off any vapor as barnyard manure does when it heats after being wet. It is full of the seed of weeds and coarse grasses, but the heating process thoroughly sterilizes it as to seed.

"We have used some of this material in an experimental way and found it very satisfactory. For instance, we planted Bermuda seed in a box of this material with a check box of good top soil. The seed planted in this material germinated ten days earlier than the seed in the top soil, and in six weeks it was four times as high as the seed planted in the top soil, and the germination seemed to be about 50 per cent better.

"We are preparing a large quantity of it for top-dressing our Bermuda greens, as it seems to us to be ideal for this purpose, it being almost entirely free of pebbles and after drying it breaks up very fine upon being rolled, and it will absorb quantities of water and hold the moisture almost indefinitely. We have a pile of this material screened, and during an exceedingly dry spell this summer it was found to be damp about one inch from the surface, the pile having been out in the sun a month without rain.

"This material can be had by a great many golf courses throughout the South and East near cotton mills, and it appears to us to be ideal for top-dressing purposes for putting greens. As it contains some fragments of cottonseed hulls it must have some fertilizing value aside from its humus content."

Golf courses in the cotton district will be very glad to obtain this information which Mr. Holland has so thoughtfully furnished.

Inexpensive tee boxes.—The Oberlin Golf Club has used for sand boxes at its tees, chimney flue lining tile 8 inches by 12 inches in cross section. These come 2 feet in length, and placed on end are of a convenient height. We purchased for 25 cents apiece tiles slightly broken at one end, which end we placed 6 inches into the ground. Painted white each with a maroon strip around the top, they make an attractive appearance. The sand does not dry out in the tile as it does in a wooden box. They seem better and much less expensive than ordinary sand boxes. We supply water at the tees by faucet and thus do away with water pails.—*Maynard M. Metcalf, Oberlin, Ohio.*

Rate of seeding.—In an advertising pamphlet put out by a seedsman appears the following: "It has been demonstrated so often that it is almost unnecessary to repeat it, that the way to get golfing turf quickly is to sow plenty of seed." He does not define what he means by "plenty." The article in the June, 1923, *BULLETIN* should be your guide as to kind of seeds to use and the proper rates of seeding. If you use more seed than there indicated, you are wasting money.

Vegetative propagation in Ontario.—The Toronto Golf Club, Long Branch, Ontario, Canada, informs us that they have planted out this year from a small nursery planted last year 1¼ acres of creeping bent in rows. This is going some.