

bounds of admiration, and amounted to downright affection. No one went to him for counsel or advice who came away empty-handed. From the time he was a young man until the day of his death he suffered from physical handicaps which periodically brought him much pain and distress. He succeeded in keeping his personal tribulations from his friends, and showed them only a cheerful, helpful disposition such as is possessed by but few men. When he was consulted for advice, he had the happy faculty of giving it in a way that made you feel that he was favored by the call. His charity was of the kind that you would expect from him. Not only was he willing to help in a material way, but he showed a thoughtful consideration with regard to the comfort of those in distress; which made his benefactions the more acceptable.

The mature results of his studies in golf architecture are embodied in the East Course at Merion, which was remodelled under his direction in 1923-1924. It is safe to say that this course displays in a superb way all of the best ideas in recent golf architecture along the lines of its American development. For a long time to come the Merion course will be a Mecca to all serious students of golf architecture.

It has been said that "a prophet is never without honor save in his own country;" but this was not true of Hugh Wilson. In Philadelphia, where he lived and worked and played, were his closest and most affectionate friends. Of few other men can it be said more truthfully that "none knew him but to love him, none named him but to praise."

His loss represents a big gap in a very wide circle; but he leaves behind him a precious heritage of high regard and affectionate memories of kindness and helpfulness to his fellow-men.

A Suggestion about Trees To Plant

A gentleman in the nursery business writes us very interestingly in relation to the item at the bottom of page 275 of THE BULLETIN, October, 1923, concerning quick-growing trees. His suggestions appeal to us as excellent. Among them are the following:

"The poplars as a rule, with the exception of the lombardy poplar, which can be used only for tall formal growth, carry too large a leaf to be advisable to plant along the course unless sufficiently far away from the fairways that the leaves are not apt to blow over. The large leaves cause more loss of religion among the members of the clubs than anything else I know of, and I have endeavored, in our plantings, to make them with such varieties as carry a small leaf, or a leaf that shrivels quickly, so that when blown about it is not large enough to hide the ball.

"May I suggest for quick-growing trees, the paper, red, and yellow birch, American and green ash, honey locust, black locust, pin oak, scarlet oak, Salisburia, and American and English elms? All of these are fast-growing trees with foliage that is not detrimental to the fairways.

"May I also suggest that you can possibly help the clubs throughout the country in their planting, by carrying to them the idea of making some of their boundary planting decidedly in the line with the last suggestion in your BULLETIN, of planting trees and large shrubs that produce fruit for the winter birds? Of these you have given a good variety, but you can add to them the native viburnums, the native blueberry, the buck-thorn, and black thorn, bush honeysuckles, Japanese winterberry (*Ilex*

sieboldii), the Japanese barberry, and the native dogwoods, both the tree and the bush forms, the latter being commonly known as the osiers, all of which carry splendid fruit, are showy either in flower, foliage, or fruit, grow with little care, and make wonderful massed plantings.”

Outlet Boxes and Drain Tile Openings

By Charles E. Van Nest, Interlachen Country Club, Minneapolis

Prior to 1922, we used wooden boxes as outlet openings for our hose connections. Cleats near the top of the box served as a support for a board cover. The openings for our drain tile were finished in the same manner, except that screens took the place of the board covers. Owing to wash-outs, decay, breakage, and the action of frost, these openings were a constant annoyance to players and a source of trouble and expense to the grounds department. As a result, it was decided that, notwithstanding the first cost might be greatly increased, the building of something of a permanent nature would be advisable.

We purchased 10-inch iron man-hole rings and covers from a local foundry. We set these, in concrete, flush with the surface of the ground. For pouring the concrete, we used as a form a sheet iron cylinder of the proper size to fit the ring and about 18 inches long, a hole having been excavated around the outlet opening to that depth. We were careful to leave an opening around the pipe where it entered the well, so that in case of trouble the pipe could be moved without injury to the wall. Our water mains are from a few inches to a foot below the surface. The details of the installation are shown in the sketch on the opposite page.

During the three years we have used this construction we have not made a single repair. Tractor wheels pass over the covers without harm, and water and frost seem to have had no bad effects. Our soil is a very heavy clay.

In small lots, sets of ring and cover cost \$2.80 each, but in quantities of 50 or more, we have a price of \$2.52. To this, of course, must be added the cost of concrete and labor, which, however, is very small.

We plan on piping through the middle of our fairways in the spring, and shall have an outlet every 150 feet protected in this manner.

Wholesale Turf Seed Prices January 31, 1925

Prices per 100 Pounds for Best Grades of Seed

Obtained by the Seed Reporting Service, U. S. Department of Agriculture.

	New York	Balti- more	Phila- delphia	Rich- mond	Buf- falo	Chi- cago	Minne- apolis
German mixed bent	\$55.00	\$75.00	\$60.00	\$55.00	\$55.00	\$55.00	\$57.00
Kentucky bluegrass	28.00	28.50	29.00	31.00	28.75	28.50	30.00
Redtop	14.50	14.00	14.50	14.00	14.50	14.50	16.00
Red fescue	-----	22.00	20.00	22.00	22.00	-----	20.00
Chewings' fescue	20.50	-----	20.00	-----	22.00	20.00	22.00
Sheeps' fescue	14.00	17.00	15.00	17.50	14.00	14.00	16.00
Canada bluegrass	20.00	21.50	21.00	-----	20.50	21.00	22.00
Italian rye grass	11.00	11.00	11.50	12.00	12.00	12.50	12.00
Perennial rye grass	11.50	12.25	13.00	11.50	11.50	13.00	11.00
White clover	48.00	48.00	48.00	58.00	49.00	47.00	50.00