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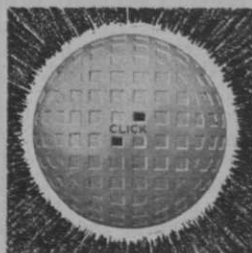
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Second Row—L. to R.: George Pauli, Three Rivers, Mich.; Samuel Caldwell, Sagamore Springs G. C., Lynnfield; William F. Stuper, Winnetka, Ill.; Robert McGregor, St. Andrews C. C.; A. O. Hakinnen, Worcester C. C.; Walter B. Hatch, golf architect and lecturer; Albert B. Larsen, Megunticook G. C.; George E. Bushee, instructor in motors; George Pickard, Plymouth C. C.; Harry Burkhardt, Westwood C. C.

Back Row—L. to R.: Charles T. O'Keefe, Charles River C. C.; Prof. Lawrence S. Dickinson, director of the course; Dr. William H. Davis, instructor in botany; Prof. Christian I. Gunness, instructor in motors and water systems; John McBride, Nashua C. C.; L. C. Scott, Brookline C. C.; Carlton E. Treat, Woodland C. C.; Prof. Miner J. Markuson, instructor in drainage; Harry Burns, Allegheny Park commission; Henry Whitbeck, assistant in motors; Joseph Johnson of Belmont Springs C. C.; Dr. Miles H. Cubbon, instructor in soils.

M. A. C. Registers With Fourth Greenkeeping Events

By L. L. DERBY

THE golf course maintenance exhibition at the Massachusetts Agricultural college year by year is growing to be an event looked forward to by greenkeepers, green-chairmen, and park commissioners

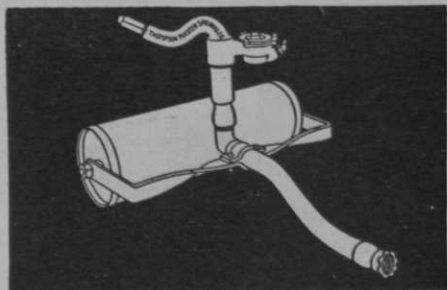
in much the same light that milady anticipates at this time of year what is new in Easter millinery. The fourth annual event to be put on by members of Prof. Lawrence S. Dickinson's class in green-

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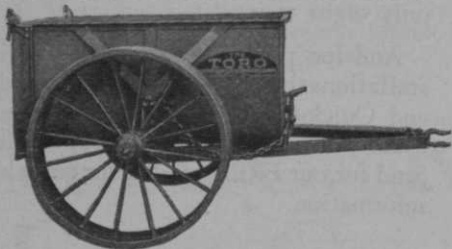
The Toro Standard Golf Tractor pushes five 30-inch Toro super mowers, cutting a twelve-foot swath, and will completely cut the average 6500-yard eighteen-hole golf course in sixteen hours.



The new Toro Junior Tractor equipped with a dump box, is a highly desirable tractor adapted to a wide range of work. The electrically welded steel body holds one full yard and makes it a convenient machine for all classes of hauling and general construction work on large areas of turf.



The Toro Top Dresser is a thoroughly proved piece of labor-saving equipment, invaluable on any golf course. Improved model has larger hopper which can be tilted, a revolving agitator which keeps the material loose and permits easier flow and a flexible brush which works the material into the grass.



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workmanship and the most approved heat treating and hardening processes are standard in the manufacture of all Toro products. If interested in any type of grass cutting machinery, write immediately for beautiful 32-page illustrated catalog, showing the complete Toro line.

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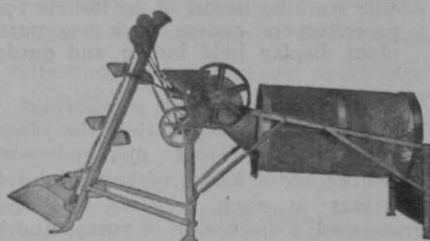
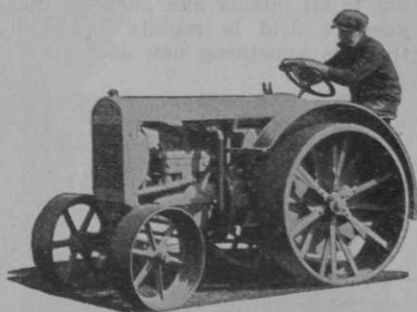
The Toro Universal Tractor has a wide range of usefulness in that it can be used for general utility work, such as construction, grading, stump pulling, hauling, mowing or any work that a tractor of this type is called upon to do.

The Toro Power Putting Green Mower is 19¼-inch cut and is equipped with an eight-blade high speed reel and will cut creeping bent lawns or putting greens.

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The Silver Flash is the "sweetest" little mower ever put on the market. Handy for close work around trees, flower beds, shrubs, fences, and other places where a hand mower is required. Built like a watch, light weight, light running, clean cutting and easy to handle.

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keeping on Saturday and Sunday, March 15 and 16, may well be recorded as another successful affair.

Each year it would seem difficult to improve on previous programs and displays but to all intents and purposes the greenkeeper's field is rapidly developing, for there is something new each time. With

the welcome of the college to the visitors. Col. John Morley of Youngstown, Ohio, president of the National Association of Greenkeepers of America, speaking for the greenkeepers, congratulated Professor Dickinson upon his efforts in behalf of the greenkeeper and his problems as well as the fact that Professor Dickinson's hon-

orary membership in the National Association is the first to be given to a professor. Treasurer Fred Burkhardt of Cleveland stepped forward and promised a still bigger and better get-together when the National Association meets at Columbus next February. Two interesting films, "Laying Lumberious Low" and "Holding the Japanese Beetle" were then shown.

A group of 125 sat in at the question box forum in the Auditorium in the evening and many took part in the discussions of the questions which had been dropped in the box.

Exhibit Is Cynosure

This year's exhibition visitors appeared to be a more serious group than any heretofore and were evidently on the ground with some distinct problem or purpose in ever before, which is indicative that the show is serving the

the spacious rooms of Stockbridge Hall available for the exhibition the class arranged the different displays without crowding and a series of half-hour demonstrations of such features as cleaning grass seed, a discussion of pumps and hose, or the equipment and operation of the greenkeeper's office was a method of concentrating attention on these phases intensively for these short periods.

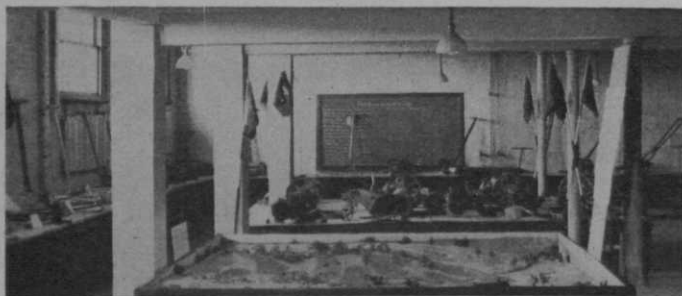
With the demonstrations starting at eleven Saturday morning and finishing at 4:30 o'clock in the afternoon, President Roscoe W. Thatcher and Roland H. Verbeck, winter school director, next voiced

useful purpose for which it is intended. Equipment, bared to its working parts as usual, was again a feature that attracted unusual interest. In this connection one of the most interesting machines was the new proportioner built by Prof. C. I. Gunness of the agricultural engineering department at M. A. C. for the application of fungicides and fertilizers. With many clubs now including winter sports in their annual program there was not a little interest in the display of shrubs for winter effect.

More demonstrations were in order on



Among the 350 at the M. A. C. greenkeeping sessions were (l. to r.): Fred Burkhardt, Carleton Treat, John Shanahan, Paul Whitehead and John Morley.



The working model of an 18-hole course used in M. A. C. greenkeepers' course work was part of the \$4,500 equipment display held indoor and outdoor during the show.



10 years from NOW

it should still be sprinkling your grounds

So fine has Goodyear built Emerald Cord Hose that ten years of anything like normal golf club service will not end its usefulness and with care it should last twenty years. It is the most efficient and most durable hose you can buy.

In Emerald Cord Hose are only the finest materials, the staunchest live rubber and "double-double" cord.

As the materials of Emerald Cord Hose are incomparably fine, so also is the design. Broad, flat ribs guard it from sharp objects.

These heavy ribs help to keep the hose straight and free from kinks. They aid in easy placements on grounds.

Even the color of Emerald Cord Hose is a distinction. It is a gallant green. Emerald Cord is easily the handsomest hose you can buy.

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For specifications or other information about Goodyear Hose for Golf Clubs, write Goodyear, Akron, Ohio, or Los Angeles, California.

In lengths up to 500 ft., and in $\frac{5}{8}$ ", $\frac{3}{4}$ ", and 1" capacities.

GOOD YEAR

THE GREATEST NAME IN RUBBER

When you mention GOLFDOM the advertiser knows you mean business.

Sunday morning and at noon a group of nearly one hundred paid a visit to the M. A. C. turf plots.

Carl E. Treat, president of the New England Greenkeepers' Association presided at the afternoon meeting and introduced mind. There was more note-taking than Colonel Morley who made a splendid address. Paul Whithead, president of the Connecticut body, was also a platform guest of honor.

More than 350 visitors registered this

Three greenkeepers assisted Professor Dickinson for varying periods during the course, Jay M. Heald of the Greenfield C. C., Marston Burnett of the Albemarle G. C., and Carl E. Treat of the Woodland C. C. Throughout the course a period was set aside each day for a discussion of some problem or a talk by a seedsman, a golf architect, or a prominent greenkeeper.

Many applications have already been received for next winter's course, several of them from a considerable distance. M.



Some of the 100 who looked over the M. A. C. turf gardens during the school's greenkeeping conference.

year and the total attendance would be boosted considerably beyond this mark as many did not stop to leave their names. From year to year the exhibition draws more heavily from out of State. Included among those who registered were twenty-five from Connecticut, eight from Pennsylvania, O. J. Noer was in the group from Wisconsin, and the States of New York, Rhode Island, Vermont, Maine, Virginia, Illinois, and Ohio were also represented. Although greenkeepers and greenchairmen were perhaps in the majority, there was a greater number of members of park commissions this year, an encouraging sign that more and more municipalities are interested in the construction and maintenance of city courses.

Enroll for Next Year

Although it is hard to differentiate between groups Professor Dickinson considers that this year's class compares favorably with any previously. As is the case every year there were several new features and no efforts were spared to make the course practical and worthwhile. The botany department was called upon this winter and Doctor Davis gave an interesting course on plant growth, a subject of immense importance to the greenkeeper.

A. C. continues to be the only institution in the country giving a course lasting so long and covering the maintenance field so fully. It is perhaps well located in Massachusetts though, for there are over 200 courses in this Commonwealth.

Managers' Association Wants New Addresses

HENRY R. DUTTON, Sec., Club Managers' association, who is manager of the Boston (Mass.) City club, asks GOLFDOM to print the following list of golf club managers who are requested to advise him of their present addresses to which their official mail should be sent.

A. T. Anderson, P. Gerard Barrett, John F. Bernard, Mario Bona, E. J. Coats, Delbert E. Courtney, S. M. Davenport, Ralph E. Downs, Thornton Gilman, O. H. Guenther, Ethel Hamilton.

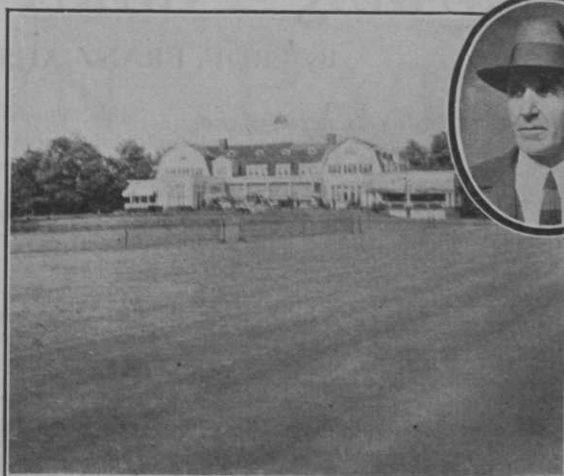
Louis J. Kreller, W. O. Line, W. E. Ludwig, Harry C. Niegelson, M. F. O'Connor, Edmund D. Slingsby, Isabel F. Walker, Frank H. Bellizzi, Herman Burger, Wm. H. Dundas, L. A. Gushman, J. H. Harrigan, John W. Ingleson, Elmer J. Michael, Wm. F. O'Toole.

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KOPPERS Sulphate of Ammonia

Greenkeepers Have Big Task Guarding Nature's Beauty

By PROF. FRANZ AUST

Landscaping today is recognized as a factor of prime importance in the operations of every greenkeeper. Professor Aust's address was one of the features of Wisconsin university's short course for greenkeepers.

THE best golf course is that in which the greenkeeper is in cooperation with a good landscape architect who will give him expert advice and help him to build up a resistance against removing natural plantings, or it is one in which the greenkeeper himself fully realizes the value of a beautiful natural setting. He should be able to take care of the beauty phases as well as the commercial aspects of a golf course. He will, for example, consider carefully before digging out a tree that is two or three hundred years old just because the place upon which it stands is a good location for a green or a fairway.

In Scotland where golf had its beginning, one of the primary purposes of the game was to enable a man to get out into the open where he could see the beauty of the dunes, the heather, and the broad expanse of the ocean. The courses of that country were the only real golf "links" that have ever existed. For, instead of referring to sausesages or links in a chain, as some believe, "links" was the name given to the sand hills along the seashore where the short, close turf and the many natural hazards, as sand holes and banks, bents and whins, supplied ideal conditions for the game.

In this country, ordinarily, two views of the situation have prevailed. One is that there should be no trees, no shrubs, no flowers on golf courses; there should be nothing to detract from the game. Golf must be the one and only consideration. The other is that the Scotch links should be imitated wherever and whenever pos-

sible. There are two reasons for this. One is that some of the golf architects of this country have been lacking in imagination in the use of American plant materials, and the other that it is much less difficult to lay out a course without trees and shrubs than to make wise use of them.

But beauty of plantings on a golf course need never be a hindrance to good playing, so there is no excuse for barren golf courses. Neither is there any need for imitation. "America for Americans" applies to golf as well as to other phases of life in this "land of the free." With American material, beauty equal to the dunes of Scotland or to any other Old World spot can be secured.

Purpose of Landscaping

Bringing beauty to a golf course by means of plantings means arranging the plant materials so that the course will appear as a unit. There will be a definite relation of the whole course to each of the parts, and of the parts to the whole.

By using border plantings, seclusion and privacy can be brought to the course. In some courses thirty per cent of the fairways are separated from other fairways by deep tree plantings. Sometimes it may mean that more land must be purchased in order to get this privacy, and it may mean a four or five per cent increase in labor costs, but returns will come in the added popularity of such a course.

There are other economic phases of beauty on a golf course. Border plantings of shrubs may mark the direction of the fairway, bringing greater convenience to players. Shrubs or trees may mark the bend in the "dog-leg" and follow the outlines of the drives.

Color a Course Asset

Beauty which changes with the seasons may not at first seem to be an economic asset to a golf course. It is true that, to ninety per cent of the players, flowers and foliage and changing tints of autumn or spring may have but little meaning. But