

right will battle it out until the last bleeding syllable falls gasping.

Stir Up Debates

R. H. Montgomery of Detroit is on the Thursday program asking, "Can Golf Maintenance Be Standardized?" This subject has been debated so briskly in informal sessions that bringing it out into the open for consideration should reveal many interesting and helpful slants.

"Fungi Disease from a Florist's Standpoint," by J. E. Cannaday, Sedalia, Mo. will put forth the florist's findings on combatting plant diseases showing the greenkeepers what the close, scientific methods of the florists have yielded in way of preventing and fighting fungi.

The gentleman who is credited with doing more than anyone else in the country in intensive, practical education of greenkeepers to a high professional standard of practice, Prof. I. S. Dickinson of Massachusetts Agricultural College, Amherst, Mass., will talk on "Education of Greenkeepers." Dickinson now is conducting another one of his highly successful short courses in greenkeeping in which some of the old-timers as well as young-

sters are enrolled. Dickinson's talk should be a notable convention feature.

Dr. John Montieth, Jr., the able young expert of the Green Section, will talk on "Brown Patch Causes and Cures." No one in the country has done as much work in this line as Doc Montieth has, so what he tells the boys ought to be definitely helpful.

Never before has a program of the National Greenkeepers' association presented such an array of expert talent. The men who are to talk are those consulted by the wondering ones of golf maintenance when the greenkeepers are in trouble so the opportunity of hearing an all-star cast should prove a great convention magnet.

Big Exhibits Attract

All mornings are being held open for visiting the convention exhibits. The space on the floor is all allotted, among the following exhibitors:

Toro Mfg. Company
Ideal Power Lawn Mower Company
Worthington Mower Company
Toro Associates—(Golf Courses Supply Company, Cleveland)—(Lawn Equipment Corp., Detroit, Mich.)—(New York Toro



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Make Your Plans Now to Attend

THE 3rd ANNUAL NATIONAL GREENKEEPERS' CONVENTION AND GOLF SHOW

at Hotel Statler, Buffalo, N. Y.

Opens Feb. 13—Closes Sat., Feb. 16

The three-day conference of greenkeepers where papers will be read and discussed by America's leading golf course experts, will be the greatest educational conference ever held.

At the Golf Show you can see the latest machinery and supplies for golf course maintenance.

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Show Committee—405 Caxton Bldg., Cleveland, Ohio

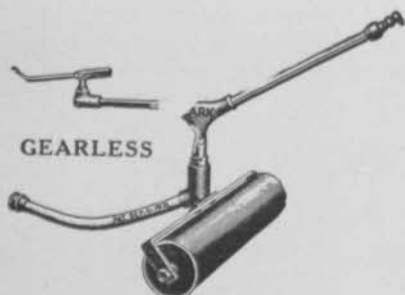


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The "Lark" sprinkles **evenly** from center to outside circumference, and does it on **any** pressure.

No puddles. No big drops to dig out top dressing.

The far throwing main stream may be broken by the adjustable nozzle as desired. The whirling spray gives **even distribution** in the center.



The "Lark" Sprinkles **EVENLY**

- 125 feet on 50 lbs. pressure
- 100 feet on 40 lbs. pressure
- 90 feet on 35 lbs. pressure
- 80 feet on 25 lbs. pressure
- 60 feet on 15 lbs. pressure

Pressure readings at the sprinkler.

It is self-flushing. Sediment cannot clog. A new improvement.

A trial sprinkler sent postpaid, returnable at our expense if not entirely satisfactory.

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 The National Greenkeeper

A number of special meetings are scheduled during the convention. An exhibitors' breakfast will be held at 9 a. m., Friday, committee meetings, 7:30 p. m., Friday and the annual meeting and election 10 a. m., Saturday.

The annual banquet will be held Thursday evening at 7:30. Cost per plate is \$3.

Lots of entertainment has been provided for the wives of the greenkeepers who will attend the convention. The reduced fare to Buffalo also applies to the women.

Those who have not made hotel reservations at Buffalo are advised to snap into it.

International Shows Have Big Events Planned

WITH Miss Anne Morgan and the five thousand members of the American Woman's association sponsoring the New York debut of the fourth annual International Golf Show and Country Club Equipment Exposition, Grand Central Palace, February 18-23, and several innovations for the Chicago presentation, Hotel Sherman, March 11-16, including a brand new eighteen-hole putting course—the stage is set for these events.

The U. S. G. A. Green Section, with Doctor Monteith, Jr., in charge, will stage the largest educational exhibit on turf culture

that they have yet made available for the green chairman, green keeper, park superintendent, municipal custodian, etc.

From Chicago has been issued a call for the first national conference of fee course owners—the men from coast to coast who control and semi-public and municipal courses. Standardization of public course, policies is expected to be advanced greatly by this conference.

Eastern Groups Active

The Metropolitan Golf Association of New York, representing 178 country clubs in the Metropolitan area forthwith extended the hand of welcome to the International Golf Show's first presentation in New York City, and appointed Harry P. Kidd, chairman of the Green Section, as chairman of a special Golf Show committee. This action carries direct contact with the more than 40,000 members in the Associated N. G. A. Golf Clubs.

From New England came a kindly greeting from the Massachusetts Golf Association Service Bureau, Miss E. C. Nickerson, manager, and an invitation to the New England Greenkeepers Club to participate in a special day to be set aside for the New England guests.

In the Player Equipment Division, which seeks to interest attendance, through spectacular features, of the ultimate consumer, perhaps the most important development has been the contracting for two new indoor putting courses in both the New York and Chicago Shows. They will be built by the Miniature Golf Course of America, Inc., and will mark the first showing, West of the Atlantic Seaboard, of the new turf-like cottonseed composition that has succeeded carpet as an indoor putting "turf." There will be thirty-six holes in the New York layout and eighteen in Chicago.

The Ryder Cup, as well as the eight bags that are to be carried to victory by the Ryder Team, of which Walter Hagen is captain, will also be on display at the New York and Chicago Shows.

The customary invitations to pros, country club executives, greenkeepers, etc., have been extended and a gratifying stack of attendance cards have been returned to the management.

The Golf Equipment Manufacturers Association will expand its policy of encouraging the pros to operate their shops in a more efficient and profitable manner, by holding a number of practical conferences with the pros.

Club Managers Change Date of Annual Meeting

ASSOCIATION of Club Managers of America has decided on March 5 and 6 as the dates of its third annual convention. The meeting is to be held at Hotel Hollenden, Cleveland. Originally the sessions were slated for February 25 and 26 at Cleveland.

No program has been set for the meeting, the committee for that purpose now being at work. It is expected that considerable time will be devoted to informal discussions of value to country club, as well as city club, managers. The usual lively relief of the entertainment end of the meeting is to be divided between the formal banquet and the stag given by the Cleveland managers.

New York and Pittsburgh both made bids for the convention, but the Cleveland delegation of managers, headed by Robert W. Wagner, manager of Willowick, made the successful solicitation. New York intends to bid for the 1930 meeting but will have competition from the Kansas City managers, who are being marshalled for this purpose by Richard Marsh of the Kansas City Athletic club.

Mid-Atlantic Greekeepers Launch Organization

Baltimore, Md.—Greenkeepers of the middle Atlantic section established the Mid-Atlantic Association of Greenkeepers at a meeting held here late in December. O. B. Fitts, formerly of the U. S. G. A. Green Section and now with the Columbian Country club at Washington, D. C., was elected president of the new organization. Other officials elected: vice-president, Robert Scott of Baltimore Country club, and as secretary-treasurer, Reginald Giddings of Gibson Island club, Pasadena, Md.

The association will hold monthly meetings, indoors during the winter months and at various courses of organization members during the playing season.

The very interesting view of a clubhouse lounge appearing on page 11 of our January issue was described as that of the Oak Knoll club of Oakland, Cal. This was in error; the view shown was the Lounge of the beautiful Monterey Peninsula Country Club at Del Monte, Cal.

Florida City Course Now on Lease Operation

Fort Lauderdale, Fla., having put considerable money into a municipal 18-hole golf course and clubhouse finds it advisable to lease the course for a period of years to a group of golf course operating specialists with the intention of making the course display its greatest drawing power as a civic asset. Fort Lauderdale, which is about midway between Miami and Palm Beach, points out its noted bathing beach, its famed yacht harbor and other attractions of the city as a winter vacation spot, but has found that the winter tourists pick golf as the major consideration in selecting locations.

Work under the new private management has shown results both in bringing the condition of the course up to the standard deserved by its excellent layout and by attracting more of a good spending class to the city.

Binnie New President of Mid-West Greenkeepers

CHICAGO, Ill.—Alex Binnie of Shoreacres Country club was elected president of the Mid-West Greenkeepers' association at the annual meeting, to succeed John MacGregor of Chicago Golf club, president of the Mid-West since that organization's start, two years ago.

Matt Bezak of Beverly Country club was elected first vice-president; D. W. Danley, Glen Oaks Country club, second vice president; Robert F. Farmer, Sunset Ridge Country club, secretary, and Fred Ingwersen, Bunker Hill Country club, treasurer.

Make This Unanimous and Improve Putting Results

IF YOU have to use a temporary green you might follow the plan of DeWitt Gallaher, green-chairman of Kanawha Country club employed to keep members from complaining about the roughness of the makeshift location. Gallaher used a dinner bucket about 10 inches in diameter instead of the usual cup. It compensated for the uneven surface of the temporary green and got laughs instead of kicks.



SPRING TREATMENT of PUTTING GREENS and FAIRWAYS

Begin to feed the weakened roots and stolons as soon as snow and freezing temperatures are gone. Feed Nitrophoska—a water soluble, quick acting grass food that develops a strong, solid-growing, wide-spreading, deep-feeding root system. It is concentrated, balanced, 10% available at once, 90% slowly available, clinging to soil particles and nourishing the roots until finally absorbed.

NITROPHOSKA

is not easily washed out of soil. Its popularity with greenkeepers is growing steadily. 4 to 6 pounds mixed with compost, humus or granulated peat moss sprinkled over an area of 1,000 square feet will develop a strong root system and a vigorous, healthy top growth.

An early start means a finer turf in late Spring; a strong sod in Summer, and a drought and pest resisting turf in Autumn. Follow with—

UREA (Floranid)

the world-famous organic nitrogen grass food. Apply 1 lb. to 1,000 square feet. It is entirely soluble in soil water. Twenty-two pounds equal a ton of best manure in fertilizing value. It will give your putting greens a billiard table surface and a velvety, deep greenness that will be a joy to players, club officers and especially to the greenkeeper.

Both are odorless, easy to apply, economical, leave no injurious, insoluble oxides or residues in the soil.

Sold in convenient packages by your golf supply dealer. If he hasn't them, write us his name and we will see that you are supplied.

Send for instructive literature. It's Free.

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GOLF COURSE EQUIPMENT
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Philly Pro Points Out Work for P. G. A.

By "ONE OF THE BOYS"

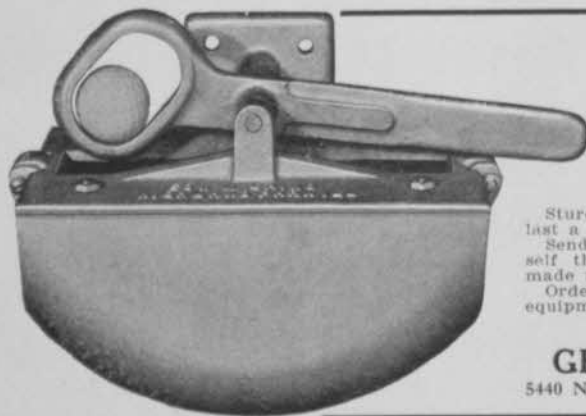
WHEN Willie Hunter said in GOLFDOM recently that a "Landis" was needed by the P. G. A. he was right. Numerous conditions in the pro field never will be regulated until an operating policy involving a commissioner's work is adopted. The pro tendency is to work on too loose a basis. As an example of this, note the way in which the district P. G. A. tournaments usually are run. In the Philadelphia district, as I have heard, in other districts, the tournaments have been run in an exceedingly haphazard manner during the past several seasons. Schedules of starting times set for players were printed the day prior to the tournaments' openings but never were adhered to. Some of the fellows showed up as late as 12 o'clock on qualifying days for a 36 hole qualifying round, and nothing was done about it. Others showed up promptly and waited hours for their scheduled partners to appear.

Members in good standing are the only

ones eligible for P. G. A. tournaments, yet during the past season a non-member and partner won second money in a pro-amateur event. Any laxity in enforcing eligibility rules of the P. G. A. in this matter of district tournament play, or in any other respect, should be eliminated.

The Philadelphia P. G. A. held its annual election January 15 and named as officers: President L. Goldbeck, Bala Golf club, Bala, Pa.; first vice president, James Edmondson, North Hills Golf club, Glenside, Pa.; second vice president, L. Shea, Riverton, N. J.; secretary-treasurer, Chas. Schneider, Rydal Golf club, Rydal, Pa.; chairman of publicity committee, Bill Cone, West Chester Golf club, West Chester, Pa.; chairman of employment committee, Ed. Cleary, Juniata Park Golf club, Philadelphia. The latter committee is something that has been needed for a long time.

The meeting approved holding four sessions a year instead of one every January. There were 52 members present at the annual meeting, showing that the Philadelphia District P. G. A. is a lively, representative local.



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What's New in EQUIPMENT and SUPPLIES

Press Releases from Manufacturers

Philadelphia's New Green Mower Appears

STYLE S. P. G. putting green mower, made by the Philadelphia Lawn Mower company is featured by its makers as "a machine shop, not a foundry, product, built along automotive lines." The side plates are of pressed sheet steel, being light and practically unbreakable. They are connected by two tie-rods for assuring perfect alignment of the bearings. The wheels and gear covers also are of pressed steel. Hubs revolve on non-adjustable ball bearings. All openings are protected by felt washers. Triple roller, quiet clutches are employed, a clutch on each drive wheel. The gears are at rest when the mower is drawn backward.

Stub-tooth automotive type gears are used. The makers state the new S. P. G. is the only mower having every running part

mounted on ball bearings. The stationary knife has two cutting edges. The knife bar is swung on the rear tie-rod to preserve rigidity of the frame. The unit has eight crucible steel blades in a large diameter revolving cutter. By revolving the cutter backward an ingenious arrangement provides for sharpening the blades.

Width of cut is 18 inches. The Philadelphia Lawn Mower company, 4250 Wissahickon ave., Philadelphia, will gladly supply further details to interested parties.

Thompson Has New Fertilizer Spreader

THE use of highly concentrated dry commercial fertilizers is increasing rapidly. These high concentrates are principally composed of plant food matter. This reduces the bulk of material which

Makes Soil Better... faster

Shreds and mixes for top dressing greens and tees to win approval of experienced golf architects and course builders.



Shreds—
Does Not
Grind

No. 2 Shredder—Gas or Electric Drive. Two sizes and two models.

"We have been having wonderful success with our Kemp Soil Shredder and are very much pleased with the way in which the machine prepares and mixes in such a rapid way, the soil for top dressing greens and tees. It has enabled us to do much better work and at a much more rapid speed than the old ways of mixing soil."

"We have used this machine on the new Edgebrook Golf Course, the Pipe O'Peace Golf Course, and the Meadowbrook Golf Course, all of which were constructed last year."

"I sincerely hope that people who are in need of a Soil Shredder and screens will choose a Kemp Soil Shredder and Mixer for I am sure they will make no mistake."

Ralph R. Wymer,
PIONEER GOLF & LANDSCAPE
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has to be handled but calls for greater accuracy in the rate of distribution and more uniform spreading of the material.

This situation was sensed by one of the oldest manufacturers in the agricultural field—O. E. Thompson & Sons of Ypsilanti, Michigan, established in 1857. This company for over 50 years has been building grass seeders for broadcasting, and spreaders, and out of this experience has developed a line of wheelbarrow type spreaders for spreading these highly concentrated dry fertilizers uniformly and accurately as rapidly as a man will walk.

Machines have been developed for the fine dry powders which require a very thin application up to and including the more heavily applied fertilizers. The quantities to be spread can be accurately gauged. The machines spread only as the wheel turns on the ground. The hoppers are kept close to the ground so that wind does not affect the spreading. The experience of this company in building grass seeders for broadcasting from the finest to the coarsest seeds which vary so greatly in the amounts sown per acre, was of great value in developing the type of

equipment which would give the best results in handling these present day chemical fertilizers.

Canada Supervises Trade in Prince Edward Island Bent

By G. LeLACHEUR

Assistant to Commissioner, Department of Agriculture, Seed Branch

PRINCE EDWARD ISLAND bent (*Agrostis tenuis*) is one of the so-called natural grasses of the "Garden of the Gulf" of St. Lawrence. The seed is produced under the close supervision and inspection of the Dominion Department of Agriculture, and bears its tag or seal of approval. It is shipped west to British Columbia and California and south to Maryland.

With the rapid increase in golf clubs during the past 10 years—there are now over 500 in Canada and more than 5,000 in the United States—an urgent demand arose for bent seed from pure crops, which would produce fine turf sufficiently hardy to stand heavy wear and close clipping throughout the playing season, and still live through the winter. Prince Edward

**For velvety greens and
beautiful lawns**

DREER'S SUPERIOR GRASS SEEDS

Country clubs and fine estates will find our special mixtures admirably adapted to various conditions of soil, sunlight and shade. All high grade, re-cleaned seeds of strong germination.

Our Special Grass Seed Circular Is Free

Dreer's 1929 Garden Book

gives helpful suggestions on lawns, ornamental planting and flower and vegetable gardens. Sent free to anyone mentioning Golfdom.

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ASHEVILLE, N.C.

Where the southland sends a message of welcome to the golfer and all others who seek the inspiration and relaxation offered here.

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In the very center of distinguished social life. A magnificent modern hotel open all year and conducted on a par with the best houses. Booklet with pictures sent.

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Manager

Island bent grows on dry to moist soils ranging in type from sandy to clay loam, all rather low in fertility and strongly acid. The meadows persist through dry or wet summers and stand exposure to very severe winter conditions. Provincial golf clubs have greens down in native bent for 27 years.

Before being harvested for seed, every field of Prince Edward Island bent must be approved by a Dominion seed inspector. It is required to be over 95 per cent pure as to variety, to be vigorous in growth, and relatively free from bad turf weeds with seeds difficult of separation.

Growers in Co-op. Plan

All the growers are members of a co-operative association which owns and operates a central cleaning plant, specially equipped and organized for receiving, cleaning, sacking, storing and marketing turf grass seed. Each seed lot is received with a declaration from the grower identifying it as from an approved seed crop. It is cleaned and sampled under the supervision of an inspector, analyzed and graded at a Dominion seed laboratory, and finally sealed in the sack with a metal seal behind which is placed an inspection tag certificate.

The chaff, dust and weed seeds are cleaned from the Prince Edward Island

bent to make a uniformly high quality of about 90 per cent pure seed, and the average germination is 85 per cent. Weed seeds remaining in most lots rarely exceed a half of 1 per cent. The well-milled vital seed runs about 6,000,000 to the pound and can be sown at the minimum rates, namely, 3 pounds per 1,000 square feet, for putting greens and playing courts, and 1 to 2 pounds for fairways and lawns.

Prince Edward Island bent produces a very fine, close, dark green turf. Its high purity assures uniformity in texture and color. It grows upright, spreads by short underground stems or rootstocks, and makes playable turf quickly from sowing. Watering is required only during dry periods; frequent soil top dressing is not necessary, and for most soils, sulphate of ammonia will supply fertility. Pennsylvania clubs report that Prince Edward Island bent is highly resistant to brown patch.

A good start has been made in the production of Velvet bent (*Agrostis canina*). The Prince Edward Island strain of this variety is being multiplied as rapidly as possible, and a small quantity of seed will be available this season.

Prince Edward Island bent is recommended for use in Canada and the northern half of the United States.

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CUTS AND SETS A CLEAN CUT DISC OF SOD
Three cuts with a 4 1/2 inch cutter makes a perfect hole
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PURFECK CHICKWEED ELIMINATOR

THE bane of every golf course—those stubborn growths of chickweed—are completely and effectively destroyed by PURFECK Chickweed Eliminator! No costly cutting and patchwork. You simply spray on this remarkable solution and weeds, roots and all promptly disappear. Saves money, time and labor! Can only be applied during Winter, early Spring and Fall months. Does not injure grass or prevent germination of grass seed.



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write direct to

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UPPER MONTCLAIR NEW JERSEY

Radwaner Seed Has New Guarantee Plan

BEGINNING with the 1929 grass seed season, I. L. Radwaner Seed company, New York, inaugurates a new service. It states:

"All the grass seeds we sell for golf courses are sold under the guarantee that after the merchandise is received by the ultimate user, he is to sample that lot of seed we send and mail a 4-ounce package to the U. S. Department of Agriculture at Washington, D. C., for testing purposes, and within a few days the department will notify the sender of the sample what the exact purity and true variety of the article is. If the goods we ship out are not in every way as represented by us, they are at once to be returned at our expense before they are being used.

"Through this method we want to assure the golf public that they will buy their seed with a positive guarantee by a test of the official government agency, which is made free of charge, that the seed which will be planted on the golf course is absolutely as required by the party ordering same.

"Of course, we would be willing to furnish private laboratory tests with each lot of seed we ship, but we advise our buyers

to mail their samples to government or state agricultural stations in order to be quite sure that what they intended planting is the article bargained for.

"Germination tests take a little longer than a few days. A forced germination test will show results in 10 days, though longer test sometimes is required on certain items."

Goodyear Has New Hose for Golf Work

Goodyear Tire and Rubber company puts on the market this year its "Emerald Cord" golf hose, which its makers state is a new hose of superior quality for golf courses. It is easily recognizable by its olive green cover of ribbed design. They add it is a hose to withstand extremes of service. Its cover is of an especially tough and abrasion resisting character. Its tube, of a quality consistent with that of the cover. There are two braids (double construction) of high quality cotton cords, and these are imbedded in a high grade, elastic, long time friction rubber.

Goodyear "Emerald Cord" hose is manufactured in three sizes: $\frac{5}{8}$ -inch, $\frac{3}{4}$ -inch and 1-inch, and is distinctive in the pattern of its cover. The $\frac{5}{8}$ -inch size has six flat ribs running longitudinally; the

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MANY clubs are doing this with mass plantings of stately evergreen trees.

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