

Pacific Coast Gossip

By ARTHUR LANGTON

UNUSUAL weather in the form of a windstorm within the last month was sufficient to do many thousands of dollars worth of damage to Southern California golf courses in the way of fallen trees and scattered debris. However, in all fairness to California's highly-publicized climate, it must be said that this over-ambitious breeze was unusual.

It has been a long standing joke among visitors to the Golden State that the natives call all weather which does not represent absolute perfection "unusual." It also must in justice be said that the wind would have passed unnoticed in many areas less placid, but out where the billboards are a little weaker and where the trees are top heavy with shallow roots, it was classed as a minor catastrophe.

But no amount of rationalizing will cure the damage already done, and local greenkeepers as a consequence have had to do as much work as if a veritable tornado had swept their fairways.

* * *

At Pasadena Country club in Altadena just a short time before its annual open tournament, L. T. Parker was confronted with the task of cleaning up the mess caused by three hundred trees being uprooted and their

leaves and branches being scattered broadcast. Most of the trees so treated were the highly-decorative acacias, peppers, Carolina poplars, and carobs.

At the Flintridge Country club also in Pasadena it will take Jimmy Lyon and his men all the rest of the winter season to destroy most of the effects caused by the blow because this course is surrounded and traversed by groves of oak trees, many of which were blown down. The major portion of one huge oak freakishly fell into the Flintridge swimming pool, necessitating the use of two men and a truck for two days to make it fit for swimming again.

At Los Serranos Country club the wind dropped a eucalyptus tree neatly across the tennis courts destroying the fence. On the same course leaves, seeds, sticks, and other debris were scattered over the greens where they imbedded themselves in the grass, making putting difficult. At Red Hill club in Uplands the greenkeeper's shop was blown down.

* * *

So far this season the rainfall has kept up to normal in spite of the depression, around three inches having fallen. This is a slight contrast with a report that comes from a greenkeeper in the Hawaiian Islands who stated that in two hours recently he had over 10 inches of rain fall.

Nevertheless, Greenkeeper Beaver at the Virginia Country club of Long Beach, California, is having piles driven into the bed of the now dry Los Angeles river in the attempt to prevent as much of his fairways as possible from being washed out into the broad Pacific when the heavy rains come later.

* * *

A scourge taking the form of legions of beetles has attacked the Sunset Fields course until the turf literally swarms with them. The insects somewhat resemble the Japanese beetle but are reported to differ from this type in a few respects.

The only successful method of combating them has been to take up the turf, sprinkle arsenate of lead, and then relay the turf. Merely putting the chemical on top of the turf had no apparent effect.

* * *

Word comes from Palm Springs, California, which is in the desert, that the men there are playing golf clad in a pair of shoes, a pair of shorts, and a coat of tan. This

Headquarters

1931 Convention

February 3, 4, 5 and 6

←→→

Delegates to the 1931 convention, National Association of Greenkeepers of America, are welcomed to

Columbus and the Deshler Wallick, the convention headquarters.

A splendid choice of accommodations, from single rooms to elaborate suites, are available at moderate prices.

Three excellent restaurants offer unusual dining facilities.

Make Your Reservations NOW!

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CREEPING BENT STOLONS

Washington and Metropolitan Strains

Pure, free of weeds, and of one season's growth

DR. AMOS F. HUBBARD, N. Kingsville, Ohio

system has many obvious advantages, but unless the barebacked players want to ruin their epidermis, it behooves them to make tracks for the nearest shelter when one of the local sand storms is in evidence. This is said at the risk of bringing down the wrath of the chamber of commerce of the desert health resort.

* * *

The current business depression, even if it is as the statesmen say, "a figment of the imagination," has been such as to make the Del Mar club close its gates for the time being and throw in its lot with the Rancho Santa Fe Country club. Kenneth MacLean, formerly greenkeeper at the Del Mar course, has returned to Bonnie Scotland in the meantime.

* * *

This may not enter into the realm of greenkeeping, but it is a safe bet that greenkeepers have had to supply the labor: Now is the time when local golf courses with lakes attached are draining them and restocking them with fish.

* * *

A Southern California greenkeeper asks any Eastern contemporary to think of him as he snuggles up under warm blankets at ten o'clock in the morning. Out here the turf expert has to be up with the sun to see that the night men haven't flooded the greens for the annual tournaments.

Put "Old Man Winter" on Your Payroll



The "Old Man" has the tools and all he needs is a supply of the right kind of material to improve your greens by absorption this winter.



Supply him with a good top-dressing of "Windrift Hardwood" humus material applied to each green and the results obtained will be:



Decided improvement of soil texture.

Protection from sudden temperature changes.

Best of all—better turf next year.

Order a car load now, low freight rates to all points.

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West Penn News

By John Quail

THE Greenkeepers' Club of Western Pennsylvania held their annual meeting on December 8, 1930. The election of officers took place and the results were the same as before. All re-elected. John Pressler of Allegheny Country Club was elected for his sixth term. Fred Jacobs is vice-president and John Quail, secretary-treasurer.

* * *

The club presented Fred Jacobs with a solid gold watch-chain and knife, and would have made the gift complete with the watch only Fred is going to Switzerland to have his old one repaired. He says his watch is like his motorcycle. When it's gone there will never be another one like it. The club wishes Fred a pleasant journey and a safe return.

* * *

Bill Key of Longvue is still trying to figure some way to spend the club's money. Bill says if we have over a quarter in the treasurer we should go out and buy apples with it to help out the unemployed. Noble thoughts, Bill, but we have some Scotch members.

* * *

The greenkeepers are beginning to think about the Penn State College Course. Quite a few are going to attend. It has done a lot of good for the boys and they appreciate the advantages of getting some scientific knowledge.

* * *

It looks like a sell out at Columbus as far as the Western Pennsylvania boys are concerned. All of them have expressed their intentions of going.

* * *

Kenny Goit, the long-coupled Sales Manager of Toro, was in town to introduce the new Toro representative in Pittsburgh. He threw one of those well-known Toro parties and a good time was enjoyed by all. Kenny knows his piano like he knows Toro products. And he knows both of them pretty darn good.

* * *

Charley Nuttall of Fox Chapel says the only thing that was missing was Scotty McLaren. We all agree with him but it was impossible for Scotty to make the trip at this time.

* * *

The Greenkeepers' Club went on record as having instructed the secretary to wish Col. John Morley a speedy recovery and send flowers to him. Col. Morley is our next door neighbor and we always feel that he is one of us.

FOUR CUTTING EDGES			The Same Sturdy Holding Attachment. The Same Razor Keen Knife Steel Blade. The Same Exact-ing Care in Mill-ing and Fitting. The Same Guarantee. <i>Nothing Changed But the Price</i>
BUDD Blades INCREASED PRODUCTION PERMITS LOWER PRICES Write for Circular N. BUDD MFG. CO., RAVENNA, OHIO			

Canadian News

By J. H. EVANS, *Golf Editor, Toronto Globe*

MEETING in Toronto on December 9, members of the Ontario Greenkeepers' association mapped out their program for the winter and spring. The meeting was the first since September when the association held its show on the Royal York golf course.

The program is not elaborate. It dispenses with the services of the technician and the college professor for the time being and perhaps entirely if members of the association accept the tasks imposed on them by President Sansom.

The association has decided on a series of meetings to be addressed by members, each one of whom will take a subject pertaining to the maintenance of the course. Greenkeeper Hamm, of the Royal York course, formerly in charge of courses in Florida is to read the first paper after which other members will deal with other topics.

GREENKEEPERS WILL READ PAPERS

"WE can derive a good deal of benefit from papers and addresses, read and delivered by our own members and the discussion which is bound to ensue," said President Sansom. "Perhaps there will be more to be gained through meetings based on practical experience rather than the theoretical. As a matter of fact we are amply supplied with what can be obtained from the school of learning. We can get it in the form of bulletins and have for some years. What we must do now is to relate practical experience with theory. In so doing we can make substantial progress."

Mr. Sansom spoke to the gathering about his visit to New York city as a member of the National Greenkeepers' Association and made some comparisons of United States and Canadian courses which probably destroyed the view held by some greenkeepers that the average course of the United States was to a material extent a much better test than the Canadian course.

TORONTO WILL SEEK CONVENTION

THE association discussed the representation which it will send to the National Greenkeepers' convention in Columbus during February. It will be a bit larger at least than the representation at former conventions, probably due to the proximity of the convention city. There will be five greenkeepers from Toronto, all of whom will proceed to Columbus as boosters for Toronto as a convention city, expecting to secure it in 1932.

Informed that the meeting of the executive committee was marred by the fact that President John Morley was ill, the association expressed the hope that Mr. Morley would soon be able to direct the activities of the National organization with his accustomed ability. Mr. Morley made a host of friends during his first visit to Toronto along with his colleagues.

How to develop

T U R F

that isn't patchy

BARE PLACES that refuse to show life, even after they are seeded and re-seeded, are just too poor to support a stand of grass. What they need is a liberal application of Armour's Special Turf Fertilizer.

This plant-food for golf courses contains 10% nitrogen (or 12% ammonia), 8% phosphoric acid, 6% potash . . . nutrients of the right kind and in the proportion to leave the soil just acid enough to grow grass best, and at the same time discourage weeds.

Apply Armour's Special Turf Fertilizer and watch the whole course come to life—bare spots and all—one even spread of bright green.

Ask us for our booklet, "Solving the Turf Problem." It will tell you how to apply Armour's Special Turf Fertilizer to your own course.

Are you attending the 5th Annual Greenkeepers' Convention and Golf Show? If so, see the Armour display there and make a personal call on our representative. He will be glad to receive you.



Armour Fertilizer Works

**111 West Jackson Blvd.
CHICAGO U. S. A.**

Mid-West to Elect Officers

Our next meeting is January 5th, and of course the important event of this meeting is the annual election of officers for 1931.

This meeting is to be a dinner event and the dinner is to be paid for by the Midwest Greenkeepers' Association. We expect a large turnout—so don't disappoint us. It will be a great event, free eats, and everything.

The following nominating committee was appointed:

C. A. Tregillus, chairman, Lasker's Estate, Everett, Ill.

R. N. Johnson, Medinah Country Club, Medinah, Ill.
Fred Ingwersen, Bunker Hill, Norwood Park, Ill.
Stanley Arndt, Meadow Grove C. C., Palantine, Ill.
C. A. Mills, Tam O'Shanter, Norwood Park, Ill.

Tournament Committee awarded the President's cup for the best three rounds of golf, played at our meetings this past summer. (Gross). Some scores.

F. O. Hawkins, 255.

Pete Stewart, 259.

Alec Binnie, 259.

Well, anyway, F. O. Hawkins' score of 255, makes an average of 85 strokes per round, which is pretty fair.



Hello—here is something that I have never seen before. It looks like a good idea, too. I have often wondered why somebody didn't come out with a light, flexible transportation unit that you could get around with in a hurry. This one seems to be just the one I have had in mind. I wonder what its name is? It's

THE TORO KNOCKABOUT QUICK TRANSPORTATION UNIT



JOHN QUAILL SAYS:

It is with great pleasure that we can announce the improvement of Col. John Morley who is confined to the Youngstown Hospital and recently underwent a serious operation. He hopes to be home by Christmas and we all hope with him and furthermore hope that his recovery will be complete and with great speed.

* * *

John Pressler, the veteran superintendent of the Allegheny Country Club, Sewickley, Pa., is also getting along very nicely. John will be confined for quite some time yet, so don't forget him and send along a word of cheer.

* * *

The Greenkeepers' Club of Western Pennsylvania misses John Pressler very much. He has been president since its organization in 1926. He had only missed three meetings up to the time he was hurt and then it wasn't his fault that he missed those meetings. He has just been re-elected to serve another term.

* * *

Fred Jacob of Stanton Heights Golf Club is sailing for a visit to Switzerland. He says he is sorry he can't take his motorcycle with him and show them how to climb the Alps. We will miss Freddy at Columbus this year as he has always been a regular visitor at the conventions.

* * *

Speaking of conventions, don't forget you have a date to attend your own at Columbus the first week in February.

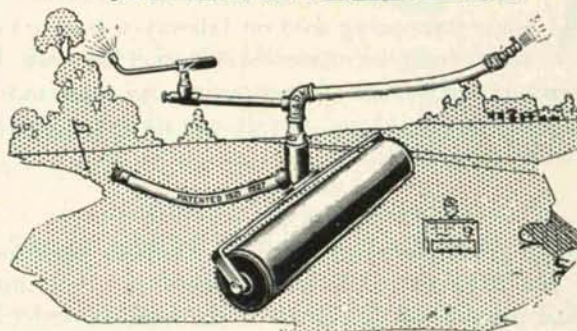
* * *

The committees are working hard to give you something that is worthwhile and you can show your appreciation by your attendance.

* * *

One of the greatest and most important problems the greenkeeper has today is figuring how he can cut his maintenance costs. With the business

THE LARK SPRINKLER



The Lark is a sturdy, durable sprinkler. It has won thousands of friends by its never-failing performance and long life.

It sprinkles *evenly* from center to outside circumference on any pressure. Users refer to The Lark as "The April Shower Sprinkler" because of its gentle, rain-like spray.

You can try the Lark before you buy it.

Trial Sprinkler sent Postpaid



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depression, he will surely feel the results when he presents his budget for approval. It will be a case of giving your club the best for least; that will be the important item.

* * *

Columbus is a good place to find out where costs may be cut without seriously cutting into some item where it will be felt. Let's get together and talk this thing over and maybe we can settle the question to the satisfaction of all.

* * *

Boost—Boom and Buy at the Golf Show.

* * *

If you have not received a post card requesting your correct address, write it down and send it to the secretary. If you have received a card and not returned it, please do so at once. We are publishing a directory for our members and we must have your correct addresses at once, without fail or anything else to make you hurry it up.

Send dues and official communications to 1101 Farmers Bank Building, Pittsburgh, Pa.

Any correspondence requiring the Secretary's personal attention may be sent to either 1101 Farmers Bank Building, Pittsburgh, Pa., or to —

JOHN QUAILL, Secretary
426 HIGHLAND AVENUE
WEST VIEW, PITTSBURGH, PENNA.

Address all communications relating to the Golf Show at Columbus, Ohio, in 1931 to —

FRED A. BURKHARDT
Chairman, Show Committee
405 CAXTON BLDG., CLEVELAND, OHIO

What Cost Fairway Watering System?

There is a Fairway System for Every Club Purse!

WENDELL P. MILLER and associates have collected some interesting data on fairway watering systems from estimates based on 1930 bids by contractors and include all engineering and construction costs, and hose sprinklers, but do not allow for utilization of existing facilities.

\$12,000.00

15,500.00

assuming an ample water supply at adequate pressure.

If you have an ample water supply at a minimum residual pressure of 50 pounds at the farthest outlet on the golf course, you can install an 18-hole hose system having a life of 10 to 15 years, or more, for twelve thousand to fifteen thousand, five hundred dollars.

\$15,000.00

18,500.00

includes pressure pumping plant, manual control.

If you do not have ample water at suitable pressure, but do have an ample source of water, add three thousand dollars to above for a manually controlled pressure pumping plant.

\$17,500.00

21,000.00

includes automatic pumping plant.

BUCKNERS Make It A ONE-MAN JOB

Labor is the greatest expense that any country club assumes. With Buckner Sprinklers on the job one man can do a better job of irrigating the course than half a dozen can do with ordinary methods. It's genuine economy to install

BUCKNER SPRINKLERS

They will pay for themselves in a couple of seasons. And club members will certainly appreciate the splendid condition of fairways and greens, due to the superior efficiency of the Buckner system in maintaining spring-like grass growth the season through. Get the facts.

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Columbus, Ohio

Chicago, Illinois

Permanent construction fifty years, or more. Eighteen-hole hose system. Does not include tees and greens. Add \$6,000 to \$10,000 for a California Hoseless Fairway System.

\$22,500.00

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includes automatic pumping plant.

Permanent construction. Eighteen-hole hose system including hoseless tees and greens—low operating cost for labor. Add \$6,000 to \$10,000 for a California Hoseless System.

\$23,000.00

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includes automatic pumping plant.

Miller "One-Man" Hoseless Fairway System, including hoseless tees and greens. Very low operating cost. Permanent construction.

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includes automatic pumping plant.

Complete California Hoseless Fairways, Tees and Greens, with automatic Pumping Plant. Eighteen holes. Permanent Construction. Very efficient coverage.

The above figures do not include cost of electrical transmission lines; wells, well pumps, reservoirs, meters; nor tee and green construction, except where so stated; and are based upon a compact course layout and tight soil. If your course is rambling, or if you have a loose subsoil or surface soil having a low water holding capacity, your irrigation system may cost from 10 to 20 per cent more than the estimates given.

MAKESHIFTING

If funds are inadequate, you can accomplish a good deal by makeshifting. With careful engineering you can makeshift without ultimate abandonment of either effort or materials. Home designed makeshifts invariably result in abandonment of materials and equipment.

There is a wide range of alternative design and construction which permits almost any club (with the will to do) to install carefully engineered fairway watering.

THE PEERLESS MOWER SHARPENER

The Peerless Mower Sharpener is a wonderful but simple invention that sharpens all makes of Power and Hand Lawnmowers, scientifically—quickly—perfectly; does the work as nothing else can. It grinds a perfect bevel and clearance—no more hard-running mowers, no more pulling and tearing of turf. Operated by 1-3 H. P. Motor—attach it to your lamp socket.

Special Grinding Wheel Attachment for sharpening grass shears, sickles, scythes, axes, etc. Skate Sharpener attachment sharpens all makes of skates—including hockey. Earns money all the year 'round. Will save its cost the first season.

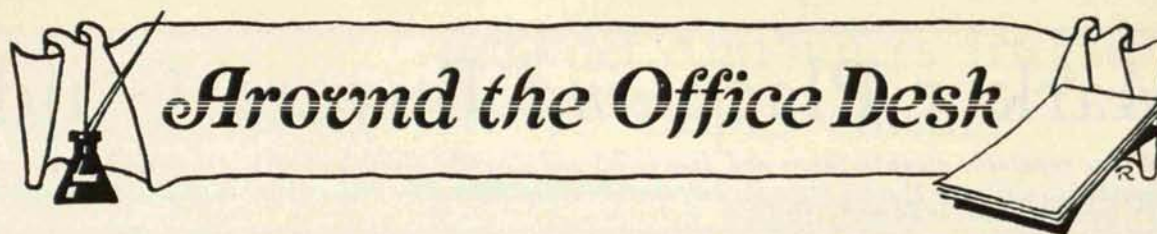


Hundreds of Golf Clubs, large and small, now use the Peerless Mower Sharpener.

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Write for a Catalog and list of users



Around the Office Desk

The Greenkeeper's Lament

*If you can keep your head when greens are dying,
And all your club is blaming it on you,
If you can keep the misty sprinklers flying,
When no rain falls and there's not even dew.
If you can keep from slaying all the growlers,
When brown and dollar patch makes labor vain,
If you can look for weeks on baking weather
And look and long and yearn and pray for rain.
If you can show the Green committee reason
Why clayey soils, bake hard, much worse than sand,
And every day and half the night keep sprinkling,
While naught but heat and dust lie on the land.
If you can keep your greens all fine and grassy,
Your fairways and your tees a plushy green
And keep from growing worn and mean and sassy—
You're a better man than I am, Gunga Deen.*

(With sincere apologies to Kipling.)

WILLIAM A. GROVER, President,
Westchester Greenkeepers' Association.

The National Greenkeeper,
Cleveland, Ohio.

Some little time ago a certain firm sent out a questionnaire asking greenkeepers what methods they used in treating brown patch. I wonder what proportion of replies were, "We have never had any?"

The writer who has had charge of courses for many years, can truthfully say that he has never had a case of this terrible disease on his greens and is old fashioned enough to still depend on compost to keep them healthy, believing that by building up a healthy soil he will have healthy grass.

By aerating the greens and applying good two or three-year-old compost every six months with a dressing of 8-6-4 fertilizer between, the grass gets a steady diet of its natural food and is able to ward off most diseases through just being healthy.

Nitrogen is a valuable stimulant when used as such on soils in good condition, but should never be used entirely as a fertilizer. There is a great temptation on the part of the inexperienced greenkeeper to turn to

nitrogen when he sees a green not quite up to standard.

The response is so easy to see and the effects so pronounced that the necessity for phosphates and potash are lost sight of for the time being.

If this nitrogenous treatment is persisted in the result will be an unhealthy condition of the soil to the detriment of the grass growing thereon and favorable to the various diseases to which unhealthy grass is heir to.

When that condition becomes apparent there is a frantic rush to mercury, calomel, sulphur or what have you, in a vain attempt to stop the attack.

Most of the trouble is caused by inexperienced Green committees and greenkeepers who not having the necessary knowledge themselves are carried away by high pressure salesmen who have this or that to sell which makes the growing of grass on greens and fairways no trick at all according to them.

If the clubs who try to carry on with a foreman for financial or other reasons would have an experienced greenkeeper visit their course say once a week to install a system and instruct their man in charge, there would be less trouble for in greenkeeping as in other things, it is easier to keep right than to make right.

By TOM NICOLL, *Golf Professional*,
Los Altos Golf and Country Club, Los Altos, Calif.

New Course at Des Moines

A sporty golf course is being opened one-half mile west of the city limits of Des Moines, on Rockland Road. Mrs. J. O. Hopkins and John W. Hopkins, Jr., members of the Hopkins Sporting Goods Company, distributors of MacGregor golf goods in Iowa are sponsoring the project.

It is a wooded, rolling site with hazardous creeks running through the fairways and promises to be one of the most attractive nine-hole courses in the state when completed, being on the home site of the J. O. Hopkins residence.

On almost half the golf courses in the U.S. and Canada
**ECONOMY
SPRINKLERS**

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SPRINKLERS**
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demonstrate and give you
worthwhile information.
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508 Market Street Milwaukee, Wis.

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Bent-Coos County State Sealed and Certified
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OUTSTANDING ACHIEVEMENTS IN THE PRODUCTION OF FINE TURF

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ing Bent Seed**
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All Government Inspected Sealed
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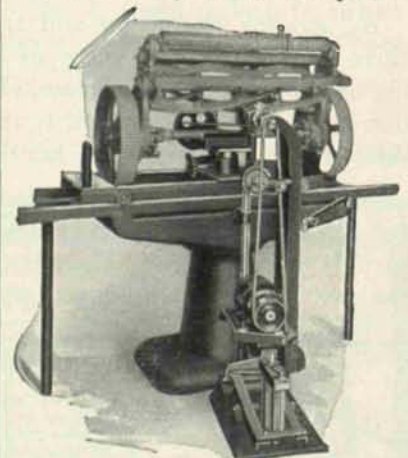
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Mower Sharpeners
Fate-Root-Heath Company
Toro Manufacturing Company
Henry H. Doty

Nitrophoska
Synthetic Nitrogen Products Corp.

Poa Annua
J. M. McCullough's Sons Co.

FOR BETTER GREENS Use a Hardinge Mower Sharpener



Sharpens quickly and accurately the
bed knives and reels of all mowers.

Manufactured by
HENRY H. DOTY
Glenview, Illinois

Market Place and Buyers' Guide--- Continued

Power Mowers

Cooper Mfg. Company
Toro Manufacturing Company
Worthington Mower Company
International Harvester Co. of America.

Power Mowers—Roller Type

Ideal Power Lawn Mower Co.

Power Mowers—Wheel Type

Ideal Power Lawn Mower Co.
Worthington Mower Co.

Putting Cup Illuminators

Chilton Crocker Company

Putting Green Mowers

Toro Mfg. Company
Pennsylvania Lawn Mower Works
Worthington Mower Company
Cooper Mfg. Company

Power Mower Blades

The Budd Mfg. Company

Rakes

Pennsylvania Lawn Mower Works

Rhode Island Bent Seed

A. N. Peckham

Rollers

Stumpp & Walter Company
Toro Mfg. Company
Worthington Mower Company

Rough Mowers

Toro Manufacturing Company
Pennsylvania Lawn Mower Works
Worthington Mower Company

Seed

Henry A. Dreer
O. M. Scott & Sons Co.
J. Oliver Johnson, Inc.
Stumpp & Walter Co.
A. N. Peckham
Peter Henderson & Co.
J. M. McCullough's Sons Co.
Illinois Grass Co.
Arthur D. Peterson, Inc.
J. G. Peppard Seed Company

Siphons, Corrugated Iron

Armco Culvert Mfrs. Association

Sod Cutters

J. Oliver Johnson, Inc.

Sprayers

Hardie Mfg. Company

Sprinklers

L. R. Nelson Mfg. Company
Buckner Mfg. Company
Thompson Mfg. Co.
Economy Irrigation Company

Stolons

O. M. Scott & Sons Co.
Hubbard Nurseries

Storm Sewers, Corrugated Iron

Armco Culvert Mfrs. Association

Street Culverts, Part Circle

Armco Culvert Mfrs. Association

Sulphate of Ammonia

Synthetic Nitrogen Products Corp.

Tee Mowers

Toro Manufacturing Company
Pennsylvania Lawn Mower Works
Worthington Mower Co.

Tee Stands

Ideal Power Lawn Mower Co.
Worthington Mower Co.

Tillage Implements

International Harvester Co. of America

Top Dressing

Hyper-Humus Company
The Ohio Humus Company
Atkins and Durbrow, Inc.
Limestone Products Corporation of America

Tractors

E. G. Staude Mak-A-Tractor Co.
Toro Manufacturing Company
Worthington Mower Co.
International Harvester Co. of America

Urea

Synthetic Nitrogen Products Corp.

Water Pipe

McWane Cast Iron Pipe Co.

Well Casings, Corrugated Iron

Armco Culvert Mfrs. Association

Worm Eradicators

Peter Henderson & Co.

Buckner Announces Irrigation Improvements

The unprecedented interest in golf course irrigation during the past fifteen years, which has been pioneered by the Buckner Mfg. Co., originators of golf course irrigation, slow-motion sprinklers, quick coupling valves and the hoseless methods of golf course irrigation, has reached such a stage that practically all the best clubs in the country are now investigating their modern methods of irrigation.

The extreme dry weather in the Eastern and middle states during 1930 has convinced the clubs that they cannot have worthwhile putting greens or fairways without economical means for distributing water, and that they cannot depend on Nature to provide such means.

The Buckner Mfg. Co. has just announced a phenomenal improvement in golf course irrigation for the coming season. They will have an exhibit of this new equipment at the Columbus greenkeepers' show, and it behooves all chairmen of Green committees and greenkeepers to attend the convention to investigate this new equipment. Should they not be able to attend the convention, they should secure the new "Golf King" catalog from the Buckner distributor in their territory, or write to the factory direct.

These people have developed the hoseless systems to the extent that one man can take care of the irrigation of an en-

NATURE'S OWN FERTILIZER

**NITROGEN....yet
it does not burn...**

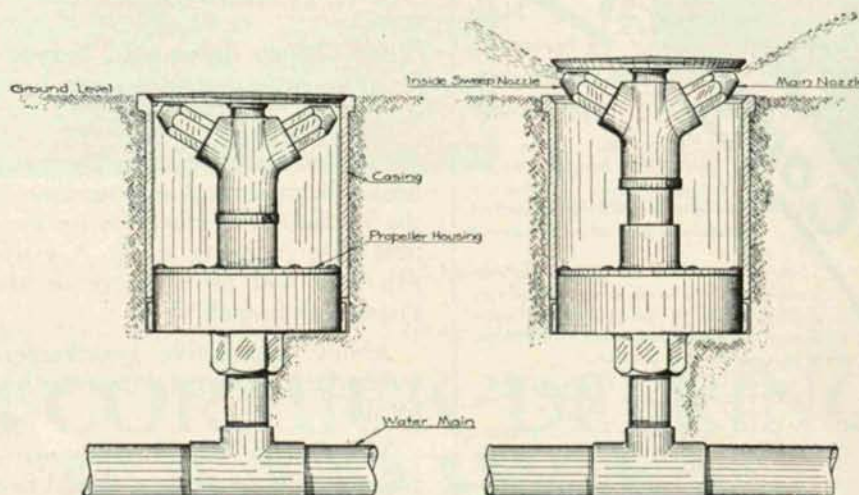
is the way one outstanding Connecticut greens authority acclaimed DRICONURE—the new all organic fertilizer. "Top dressing with Driconure gave wonderful results... gave us the best greens we ever had."

You too, can use DRICONURE with safety and satisfaction. It is economical and will prove to be just the fertilizer you have been looking for. NOW is the time to consider this item. Write

Atkins & Durbrow, Inc.
27-G Burling Slip
New York, N. Y.



tire 18-hole golf course, no matter where located. The saving in labor, hose and portable sprinklers will pay a very large dividend on the money invested in a hoseless system. In fact, this saving will entirely pay the difference between a hose and a hoseless system in two or three years, after which time all of this saving is "velvet" for the clubs.



CLOSED POSITION

OPEN POSITION

BUCKNER POP-UP ROTARY SPRINKLER

Wendell P. Miller & Associates, Eastern engineering representatives for the Buckner Mfg. Co., may be called upon and will be glad to furnish data showing the clubs just what can be done in this respect. The Buckner Mfg. Co. has a world-wide reputation of guaranteeing their equipment in every respect.

Any golfer who has visited California has had ample proof that this concern has made good on all their claims. The "Golf King" sprinklers are to be found all over the world—there are more of them in use on golf clubs in the United States than all other makes combined. It is claimed

**"EVERYTHING FOR THE
GOLF COURSE"**
Write for Catalog
ARTHUR D. PETERSON, INC.
11 E. 44th Street
New York City, N. Y.

by hundreds of greenkeepers that Buckner equipment is the "Rolls Royce" of sports turf irrigating products.

"Come Putts"—A New Idea

The past season has seen the introduction of an improvement to the hole on the putting green which is fast being adopted by well-known golf clubs, the country over, and in foreign countries as well. This new-comer is called "Come-Putts" and is designed to improve the hole on the green as well as make it more visible to the player.

"Come-Putts" are white, special composition rings, waterproofed, and made to regulation diameter for inserting in the hole above the metal cup. They support the earth around the edges and side-walls and keep the hole in better shape, so that the players are assured of even, clean-cut

holes and the greenkeeper is not required to cut new holes so frequently.

The white color makes the hole clearly visible as much as forty feet away, so that the caddy can pick up the flag pole and get out of the line of vision, leaving the player to putt into a hole which he can see with complete freedom from distracting influences. These "Come-Putts" are non-resilient and eliminate the tendency of the ball to bounce out from striking an irregular earth hole or the edge of the metal cup.

"Come-Putts" conform to the requirements of the U. S. G. A. and are rapidly making their appearance on many of the best-known courses. It is expected the coming season will see them adopted by golf clubs everywhere, especially since players who have putted into them often insist that "Come-Putts" be used wherever they play.



"Come Putts"
Now
a Necessity
to the Modern
Golf Course

"Come-Putts," in a few months time, have won the enthusiasm of golfers everywhere and have been adopted as standard equipment by hundreds of well-known clubs.

Reinforce edges of the hole. Reduce wear and tear. Dress up the greens. Greatly increase visibility of the hole—thus improve putting and make players enthusiastic for the course. Conform to requirements of U.S.G.A.

Up to 1000 . . .	\$30.00 per 1000
1000-2000 . . .	\$27.50 " "
2000 and over . . .	\$25.00 " "
Trial lot of 500 . . .	\$15.00

F.O.B. Boston

Order now or write for further particulars

CHILTON CROCKER CO.
Park Square Building Boston

Toro Opens Sales and Service Station in Pittsburgh

On Thursday, December 11, 1930, Toro Manufacturing Company held a banquet and get-together in the William Penn Hotel for the purpose of introducing Mr. E. A. Griffith who will have charge of the Pittsburgh branch.

About twenty-five greenkeepers were present and a good time was had by all.

Mr. Griffith should make many friends in Pittsburgh and should find this a pleasing territory to work in. He has promised to give excellent service minus any high-powered stuff

and he will find the superintendents a bunch of fine fellows.

He has had quite a bit of experience in the factory and understands the full line of Toro equipment from any angle. A location has not yet been decided upon as he wishes to locate as centrally as possible to be able to serve all clubs to the best advantages of all concerned.

Mr. K. E. Goit, Sales Manager of Toro, accompanied Mr. Griffith and will help him get located.

Snow Mold and its Control

Continued on page 13

in the soil. Fertilizing late in the fall with organic fertilizers also encouraged the occurrence of the disease. The plots which were fertilized with organic fertilizer had twice as much disease as the unfertilized plots.

There is a wide difference in the susceptibility of the grasses used on putting greens. Creeping bents of the Columbia type are apparently very susceptible. Fescue and seaside are also quite susceptible. Washington and Metropolitan though not immune are rather resistant. Dr. Dahl stated that the control measures practiced by each greenkeeper would be determined by his locality, susceptibility of his grass, amount of organic matter in his soil and by his fertilizing program.

New Ideal Mower

The Ideal Power Lawn Mower Company have announced a new power putting green mower for 1931, the mower being something absolutely new and different in the way of power greens mowing equipment, a machine that will weigh less than 100 pounds and is going to retail f. o. b. Lansing at a price below \$200.00. This mower will be shown to the public for the first time at the Golf Show in Columbus in February.

Wytheville, Va.—Wytheville is to have a modern golf course and club house, the gift of a former resident of the town who declines to have his name disclosed. The improvements will cost \$30,000. Fifty acres of land, located on the Lee highway, one mile west of Wytheville has been purchased for the site of the golf course. The course and club house will be modern in every particular.