

through the club house. The club uses a fertilizer in which it steams all soil used as compost for the purpose of killing all weeds.

Before the party left Professor Tomlinson showed it the rose gardens and the flower beds of the college. Professor Tomlinson consistently impresses on members of the association the wisdom of beautifying courses by the use of flowers, shrubs and plants.

## Pacific Coast Gossip

By ARTHUR LANGTON

**I**N ONE of their longer monthly jaunts, the greenkeepers of Southern California visited the La Cumbre and Valley clubs of Santa Barbara on July 11. Jack Garner, the greenkeeper at the former course, demonstrated that he has to be somewhat of a game warden in addition to a turf specialist.

He has to cater to the wants of pheasants, ducks, swans, geese, all of which are to be found in quantity on his club's property. The lake, which is the home of the water birds, is bordered by several fairways in such a manner that Garner sometimes expresses the fear that it will be filled by the thousands of golf balls which are shot into it.

### GREENKEEPERS PLAY AT PALOS VERDES

**P**LAYING for the greenkeepers' championship of the Pacific Southwest, approximately twenty-five course superintendents are expected to tee off at the Palos Verdes Country club on August 8 in the second tournament of its kind held in this district. The competition probably will be the blind bogey variety, so each entrant is a red hot favorite to win one of the prizes.

Taking a tip from the annual Gridiron banquet of Washington journalists, at which "no reporters are present," this tournament will have no greenkeepers present; that is, not in a professional capacity. Grass troubles are to be forgotten, and many an old guardian of the green is expected to leave his mark on fairway and green as he unleashes his trusty, or rusty, swing.

What to do with residents in the neighborhood of golf courses in thickly populated areas is the problem of a number of Pacific coast greenkeepers. These residents use the courses as a sort of a common upon which they and their progeny shall stroll during the cool of the evening. Usually no damage is done, the people indulging in this pastime being of a considerate type; but sometimes children in their games, races, and kite flying cause considerable disorder of traps, tees, and greens.

Little can be done about the matter because in a measure the very life of the clubs involved is dependent upon the good will of the local populace. One greenkeeper reports that a group of enthusiasts have taken to racing whippets on his layout.



**ECONOMY**  
**SPRINKLERS**

**ECONOMY IRRIGATION CO., Inc.**  
21 Spokane Street  
SEATTLE, WASHINGTON

Economy "nothing-to-get-out-of-order" Sprinklers are used on half the golf courses in the U. S. and Canada. They are strong and sturdy—made for long years of service.

Setting a new record for Southern California, L. T. Parker of the Pasadena Country club will have a complete set of the finest of new greens in play just three months after the task of ripping up the old ones was started. Nine of his greens will be in play in exactly eight weeks after work on them was started. It is affirmed by his colleagues that he used dynamite for fertilizer.

### PLAIN SAND FOR BROWN PATCH

**W.** W. BEAVER of the Virginia Country club, whose adobe-bound course has had more than its share of brown patch in spite of a never-ending fight, is trying the very simple remedy of applying nothing but sand to the infected portions of his greens with surprising success. Although this treatment is not a preventative it has the virtue of checking the spread of the disease to a considerable extent. And it is cheap.

Establishing a precedent at least on the Pacific coast, the executive board of the Hacienda Country club at La Habra, California, has started the practice of including the greenkeeper, L. N. Boynton, and the club professional in on the monthly meetings. What is more the board members listen to what these men have to say.

## Golf Tournaments

**August 4-7**—New York State Golf Association Amateur Championship at the Niagara Falls Country Club.

**August 8-13**—Royal Canadian Golf Association Amateur Championship at the Lambton Golf and Country Club (Toronto).

**August 16**—Preliminary Sectional Elimination Rounds for the U. S. Amateur Championship (Courses to be announced).

**September 12-17**—United States Golf Association Amateur Championship at the Baltimore Country Club (Entries close July 26).

**September 25-October 1**—United States Golf Association Women's Championship at the Salem Country Club (Salem, Mass.)



# Minnesota Gossip

By H. E. STODOLA, Secretary



H. E. STODOLA  
Secretary, Minnesota  
Association of Golf  
Course Superintend-  
ents.

THE July meeting of the Minnesota Association was held at the Town and Country Club, Saint Paul. Seventeen enthusiastic members were present. Al Schoenbeck, the greenkeeper, greeted us and treated us to good coffee and lunch before we surveyed the course. He took us to his nursery which is mostly Cocoos sod. He has had some difficulty in transplanting this sod, so he cuts it at least an inch and a half thick. One would think that he got below the roots but seemingly not because new sod comes back where it has been cut. That leads to prove that Cocoos is a deep-rooted grass. He has considerable velvet bent which has been

picked up here and there on the course. It would be interesting to see a green made up of this fine turf.

We walked over the course and admired the fine fairways. He has good tees and keeps enlarging them. Being a Californian, Al likes flowers and plants them around the tees and in out-of-the-way places where they add to the beauty of the course.

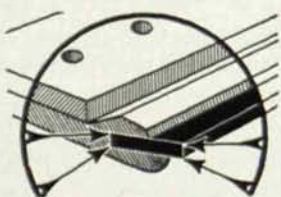
His greens are true and closely cut. You can tell by his greens and fairways that his mowers are always cutting perfectly.

One green has become infested with a small grub which has been eating the roots of the grass. Several parts of the green have had to be resodded. Corrosive sublimate and arsenate of lead are saving the rest of the green. Al's new No. 9 green of Cocoos sod is a fine piece of work and is getting better all the time.

The course is well-groomed and will soon be the scene of the Ladies' Championship tournament. Al Schoenbeck came here from California where he did much work under William Watson, golf course architect.

Town and Country club claims it is the oldest club in the country on its original site. It will celebrate its forty-fifth birthday this year.

## ALL CAN HAVE THEM NOW!



"Would like to have them but can't afford it" is a thing of the past. Increased production and decreased manufacturing cost bring this efficient, 4-cutting-edge blade within the price of all. Write for new price List "NN" and full details. A postal will do.

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# Golf News

Medford, Wis.

Medford will have a nine-hole golf course ready for play in 1933. Meeting was held last week, at which time Mr. Walter Newburg was elected President.

\* \* \*

Lackawanna, N. Y.

The Women's Lackawanna Golf Club was organized a few days ago, electing Mrs. H. H. Sylvester President. This is the second women's golf organization in the Buffalo district and it will be affiliated with the men's Lackawanna Golf Club.

\* \* \*

Clare, Mich.

The Twin Elms Golf Club was opened here May 31st, after years of agitation for a course in this section; a nine-hole course.

\* \* \*

Aneta, N. Dak.

At a gathering held here last Friday evening it was decided to go ahead with the plans for construction of a golf course on the old Fair Grounds here. The name decided on was "Queen City Golf Association;" electing Mr. Henry Forberg, President.

\* \* \*

Pontiac, Ill.

The Pontiac Community Golf Club, which has been in course of construction for some time, will be opened to the public at once. This will give Pontiac two golf clubs.

\* \* \*

Albany, N. Y.

The new 18-hole municipal golf course was opened for the season the latter part of May. Mr. Edward Smith has been appointed superintendent.

\* \* \*

Shawano, Wis.

The Shawano Lake Golf Course, which has just opened, announces a number of improvements, including shelters along the course, telephones, etc.

\* \* \*

Chippewa Falls, Wis.

The Riverside Golf Course, located near the Eau Claire Country Club, has been leased for the season by O. L. Darwin, former manager of the Lake Hallie Course.

\* \* \*

Cambridge, Ill.

The Cambridge Golf club was opened recently and is reported in fine shape, after considerable additional work, just completed.

\* \* \*

California, Ohio

Plans for an 18-hole golf course at Waterworks Park, in California, have been approved by a number of golf experts. Tom Deering, director of recreation, is in charge.





*Fred  
Burkhardt  
Says:*

THE summer months are so crowded with golf course activities, that the majority of greenkeepers find it hard, during this period, to help build up the membership of the association. However, some have helped, and the generous work they have done in the past few months, in securing new members is doubly appreciated.

\* \* \*

Since the first of the year 52 members have been added to the list, and while this may not seem to be a large increase, it is evidence that the association is continuing to grow, even in these times, when larger organizations find it difficult to retain their membership.

\* \* \*

It is hoped that this good work will continue and all you members certainly can expect every assistance from the writer. If there is any information you feel you should have, in order to create interest in securing new members or otherwise, ask for it, and you will receive the desired facts immediately. Or, if you have any suggestions or constructive criticism, instead of waiting for the annual meeting, let us know about them now, so if need be, changes can be made.

\* \* \*

Constant activity and interest is essential in every organization, if it is to increase its working power and continue to carry out its high aims. Every member has a voice, let us hear from you.

## Obituary

After a period of ill health, David Patrick, an active member of the National Association of Greenkeepers of America, died recently at his home in Memphis, Tenn. He was owner and manager of the St. Andrew's Golf Club on the Mississippi.

To the members of his family and to the friends of Mr. Patrick, the Association wishes to convey its sincere condolence.

## New York Greenkeepers Meet at Troy

By JACK GORMLEY, *Greenkeeper,*

*Van Schaick Island Country Club, Coboes, N. Y.*

THE Northeastern New York Greenkeepers' Association held its regular monthly meeting on Monday, June 13, at the Troy Country Club. About thirty greenkeepers and pros attended and enjoyed a session that was resplendent with fun and educational discussion.

Prior to the meeting a demonstration was held by John B. Poll of the Jacobsen Power Lawn Mower Co., and also by Mr. Adams of the Ideal Power Lawn Mower Co. Their respective power mowers were tried and complimented highly by nearly every greenkeeper.

Dinner was served and President John Melville called the meeting to order at 8 o'clock sharp. He expressed his appreciation to those who were present for the interest they were showing and promised faithfully to work hard in order to make this new organization bigger and better.

### GALLAGHER ADDRESSES GREENKEEPERS

MR. F. E. GALLAGHER, chairman of the Green committee of the Troy Country club, gave the greenkeepers an address of welcome and spoke enthusiastically on the good work this infant sectional organization was doing and what they expected to accomplish. He wished them all the best of luck and extended his hearty cooperation in making their gatherings successful.

Jack Gormley, vice president, read the minutes of the organization meeting and urged the greenkeepers to keep up the good work and help the spirit of friendly relationship to grow.

Mr. J. H. Melady of Stump & Walter, talked on various phases of green maintenance. Mr. Adams and Mr. Poll also made a few remarks to encourage the greenkeepers in their economic struggle this season.

Otto Swennson of the Toro Manufacturing Co., suggested that we issue a monthly greens bulletin to be paid for by the advertising of various golf course equipment supply houses and offered to be the first advertiser. It was decided to take this matter up at some future meeting.

A general discussion followed on grasses, soil conditions, and fertilizers and many pointers for effecting economies were absorbed by all.

A moving picture, "Golf Hazards," was shown by Jack Gormley. It was supplied through the courtesy of the Bayer-Semesan Co., and O. J. Swennson, local dis-

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AVOID  
DROUGHT

**Fertiluvia**

**Nature's Perfect Soil Conditioner**

**THE GARDEN SUPPLY COMPANY**

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ORGANIC  
MATTER

GUARDIAN BLDG.  
CLEVELAND

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TRACTOR**

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tributor for their fungicides. All were glad to see this instructive picture on the causes and cure of the dreaded brown patch disease.

The next meeting will be held at the Sir William Johnson Country Club at Gloversville, N. Y., on July 20. Hugo Kuhne, who is greenkeeper there, will be assisted in preparing for this confab by John Melville, Jim Thompson, Jack Gormley and C. S. McBride.

All greenkeepers who read this announcement are urged to be present as a program will be prepared that will combine some real fun with some very constructive information from men who know their greens and fairways.

## What's Doing in Golf

### Homewood, Ill.

Andy Behrendsen, manager at Indian Wood Golf and Country Club, is busy organizing a woman's golf club. Membership in the club will be open to all women in South Cook County.

\* \* \*

### Princeton, Ill.

A nine-hole golf course is being built on the John DeVre farm, adjoining the city limits of Princeton, which will become a municipal course upon its completion. Work will be pushed as rapidly as possible, in an effort to open the course during the current season.

\* \* \*

### Johnson, Kans.

Golfers of this vicinity met in the High School Tuesday last and discussed building a golf course here. Membership committee was appointed, who report plat of ground has been offered by Mr. Fred Collingwood. No trouble is anticipated and work is expected to begin shortly.

\* \* \*

### Seattle, Wash.

Henry Ohland, Jr., whose farm adjoins two golf courses, asked the King County court to restrain both clubs from operation and enjoin golfers from driving balls onto his farm and other disturbances.

\* \* \*

### Marshall, Minn.

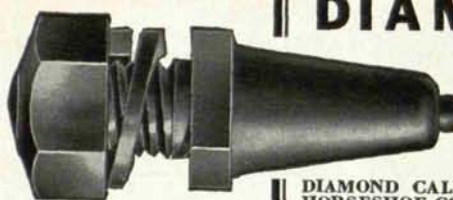
The Russell Golf Club and course, which has just been completed, is open for play, drive still being on for new members.

## LYMAN CARRIER PRODUCTS

GRANGER, INDIANA

Cocoos Creeping Bent Seed  
Lecco, The Complete Grass Food  
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Write Today for Literature and Prices.



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**Steel Center TRACTOR SPUD**  
Sharp until completely worn out. Strong and slender — won't destroy turf. Hardened tool steel center guarantees unusually long wear.

DIAMOND CALK HORSESHOE CO.  
4700 Grand Ave. Duluth, Minn.

### Danville, Va.

The new golf course on the River Road was opened to the public in May. This is a nine-hole course, having been constructed by Mr. F. H. McCain.

\* \* \*

### Mapleton, Minn.

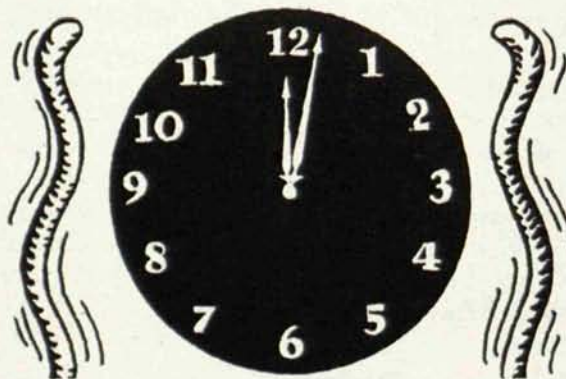
Mapleton golf enthusiasts are planning a local golf course and the countryside is being looked over for a suitable course, and selection will be made very shortly.

## Well Known Greenkeeper

With eighteen years' experience is open for position in prominent club. Can furnish very highest recommendations from former employers. Has knowledge of construction as well as golf course maintenance. Write Box "K"—THE NATIONAL GREENKEEPER, Cleveland, Ohio.

## For Sale

At sacrifice price McCormick-Deering Fairway tractor. Used only 30 days. Address, Benj. Harris, 1619 First Avenue, Rock Island, Illinois.



## DIWORMA BRINGS UP EVERY WORM in 2 minutes

Dilute Diworma as instructed — sprinkle it on the green and every worm is up inside of two minutes. Rake up the dead worms and the job is done. Easier, cheaper than powders—covers every foot of the green with same strength of chemical.—Cannot harm the grass.

2 to 2½ gallons in solution will worm 5,000 square feet of green.

REMEMBER—Diworma also checks brown patch.

Write for folder describing Dolco guarantee and Free Testing privilege.

**THE C. B. DOLGE CO.**  
WESTPORT, CONNECTICUT



# Market Place *and* Buyers' Guide

Where reputable manufacturers and dealers list and describe their products. Greenkeepers are requested to write the Market Place for any special information they desire about supplies or equipment

## Airport Drainage

Armco Culvert Mfrs. Association  
Wendell P. Miller and Associates

## Ant Control

Royal Products Company

## Ball Washers

J. Oliver Johnson, Inc.  
Worthington Mower Company  
Ideal Power Lawn Mower Co.  
G. B. Lewis Company

## Ball Locators

Worthington Mower Company

Bent-Coos County State Sealed and Certified  
J. M. McCullough's Sons Company  
Seaside Bent Company

## Bent Seed—Cocoos Creeping

Stumpp & Walter Company

## Bent Seed—Prince Edward Island

J. M. McCullough's Sons Co.

## Bent Stolons

Hubbard Nurseries  
O. M. Scott & Sons Co.  
Stumpp & Walter Co.  
Ohio Humus Products Co.  
Illinois Grass Co.  
Hiram F. Godwin  
Lyman Carrier

## Bluegrass—Seed

J. G. Peppard Seed Company

## Brown Patch Control

Stumpp & Walter Co.  
J. Oliver Johnson, Inc.  
Arthur D. Peterson  
American Cyanamid Sales Co.  
C. B. Dolge Company  
McClain Bros. Co.

## Charcoal

Cleveland Charcoal Supply Company

## Cocoos

Lyman Carrier  
Stumpp & Walter Company

## Compost Distributor

Toro Mfg. Company  
The Root Mfg. Co.

## Compost Mixer

Toro Mfg. Company  
Royer Foundry & Machine Co.  
Beardsley & Piper Company  
Silver Mfg. Company  
Kemp Mfg. Company

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## Compost Screen

Silver Mfg. Company

## Cultivators (Disc)

John H. Graham & Co.

## Cultivators (Spike)

John H. Graham & Co., Inc.

## Drainage Engineers

Wendell P. Miller and Associates

## Dump Carts

Toro Mfg. Company  
J. Oliver Johnson, Inc.  
Worthington Mower Company  
Peter Henderson & Co.  
Ideal Power Lawn Mower Co.

## Fairway Fertilizers

Synthetic Nitrogen Products Corp.  
Armour Fertilizer Works

## Fairway Irrigation

Buckner Mfg. Co.  
Campbell Irrigation Company  
Economy Irrigation Company  
L. R. Nelson Mfg. Company  
Double Rotary Sprinkler Co.

## Fairway Mower Blades

The Budd Mfg. Company

## Fairway Mowers

Pennsylvania Lawn Mower Works  
Toro Mfg. Company  
E. G. Stauder Mak-A-Tractor Co.  
Ideal Power Lawn Mower Company  
Worthington Mower Company  
The F. & N. Lawn Mower Co.  
National Mower Company

## Fairway Tractors

International Harvester Co., of America

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Milwaukee Sewerage Commission  
J. Oliver Johnson, Inc.  
Peter Henderson & Co.  
Nitrate Agencies Co.  
Atkins & Durbrow, Inc.  
Arthur D. Peterson  
American Cyanamid and Chemical Corp.  
Lyman Carrier Company  
Bayer-Semesan Company  
Synthetic Nitrogen Products  
Wayside Gardens Company  
Armour Fertilizer Works  
Cobwell Reduction Co.  
Garden Supply Company

## Fertilizer Distributors

International Harvester Co. of America  
Synthetic Nitrogen Products Corp.  
The Root Mfg. Co.

## Flag Poles

Ideal Power Lawn Mower Company  
Standard Mfg. Company

## Flexible Steel Mats

J. Oliver Johnson, Inc.

## Fungicides

Bayer-Semesan Company, Inc.  
Sherwin-Williams Company

## Fairway Rollers

Toro Mfg. Company  
Philadelphia Toro Company  
Worthington Mower Company

## Golf Architecture

Charles Evans, Jr. and Associates

## Golf Course Construction

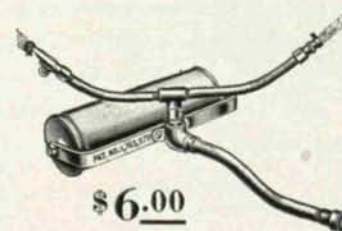
Ohio Humus Products Co.

## Golf Equipment

Stumpp & Walter Co.  
Peter Henderson & Co.  
Arthur D. Peterson  
Ideal Power Lawn Mower Co.

And now—

the "LARK'S" little brother ...  
The Economical TEE Sprinkler



\$6.00

For tees, practice greens, and other limited areas, the TEE sprinkler is ideal. Covers a circle up to 80 feet.

The TEE, little brother of the famous LARK, is sturdy, dependable and economical. VIBRATOR NOZZLE keeps speed of rotation slow, and covers inner circle with misty spray. Roller base 12" wide.

Ten days' trial on a money-back guarantee basis. Send today for sprinklers.

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Lawn Equipment Corp.  
T. W. Wood and Sons  
Worthington Mower Company

## Golf Flags

Ideal Power Lawn Mower Co.  
Stumpp & Walter Company  
Peter Henderson & Co.  
Arthur D. Peterson  
Philadelphia Toro Company

## Grass Seeder

The Root Mfg. Co.

## Greens Fertilizers

Armour Fertilizer Works  
Synthetic Nitrogen Products Corp.

## Greens Sprinklers

L. R. Nelson Mfg. Co.  
Buckner Mfg. Co.  
Double Rotary Sprinkler Co.  
Dan F. Ryan

## Hand Mower Blades

Budd Mfg. Company

## Hole Cups

Standard Mfg. Company

## Hole Cutters

Ideal Power Lawn Mower Co.  
Lawn Equipment Corp.  
Standard Mfg. Company

## Hole Liners

Chilton Crocker Company

## Hole Rims

Ideal Power Lawn Mower Co.  
Arthur D. Peterson

## Horse Drawn Mowers

Pennsylvania Lawn Mower Works  
Worthington Mower Company  
International Harvester Co. of America  
Ideal Power Lawn Mower Co.  
Roseman Tractor Mower Co.

## Hose

Peter Henderson & Co.  
Arthur D. Peterson

## Humus

Hyper-Humus Company  
Ohio Humus Products Co.  
Peter Henderson & Co.  
Atkins & Durbrow, Inc.  
Garden Supply Company

## Insecticides and Fungicides

American Cyanamid and Chemical Corp.  
Sherwin-Williams Company  
Bayer-Semesan Company

## Iron Pipe

McWane Cast Iron Pipe Co.

## Lawn Mowers

Pennsylvania Lawn Mower Works  
Toro Manufacturing Company  
Worthington Mower Company  
Ideal Power Lawn Mower Co.  
The F. & N. Lawn Mower Co.  
Jacobsen Manufacturing Company

## Lime Spreaders

International Harvester Co. of America

## Mower Blades

The Budd Mfg. Co.

## Mowing Equipment

E. G. Staude Mak-a-Tractor Co.  
Toro Mfg. Company  
Pennsylvania Lawn Mower Works  
Ideal Power Lawn Mower Co.  
Worthington Mower Company  
Arthur D. Peterson  
International Harvester Co. of America  
Roseman Tractor Mower Co.  
The F. & N. Lawn Mower Co.  
Jacobsen Mfg. Company  
National Mower Company  
Philadelphia Toro Company

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Toro Manufacturing Company  
Henry H. Doty  
Palmer-Bee Company

## Nitrophoska

Synthetic Nitrogen Products Corp.

## Peat Moss

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Richard Gertstell

## Perforator

Philadelphia Toro Company  
J. F. Buel

## Poa Annua

J. M. McCullough's Sons Co.

## Power Mowers

Cooper Mfg. Company  
Toro Manufacturing Company  
Worthington Mower Company  
International Harvester Co. of America.  
Jacobsen Mfg. Company  
Ideal Power Lawn Mower Company

## Putting Cup Illuminators

Chilton Crocker Company

## Putting Green Mowers

Toro Mfg. Company  
Pennsylvania Lawn Mower Works  
Worthington Mower Company  
Cooper Mfg. Company  
Ideal Power Lawn Mower Co.  
Roseman Tractor Mower Co.  
The F. & N. Lawn Mower Co.  
Jacobsen Mfg. Company

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Worthington Mower Company  
Ideal Power Lawn Mower Company

## Rakes

Pennsylvania Lawn Mower Works

## Rhode Island Bent Seed

A. N. Peckham

## Rollers (Hand)

John H. Graham & Co., Inc.  
Stumpp & Walter Company

## Rollers (Fairway)

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Toro Mfg. Company  
Worthington Mower Company

## Rollers

Stumpp & Walter Company  
Toro Mfg. Company  
Worthington Mower Company

## Rough Mowers

Toro Manufacturing Company  
Pennsylvania Lawn Mower Works  
Worthington Mower Company  
Ideal Power Lawn Mower Co.  
Roseman Tractor Mower Co.  
Jacobsen Mfg. Company  
Philadelphia Toro Company  
International Harvester Company  
Gravely Mower & Cultivator Co.

## Seaside Bent

Seaside Bent Company

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Stumpp & Walter Co.  
A. N. Peckham  
Peter Henderson & Co.  
J. M. McCullough's Sons Co.  
Illinois Grass Co.  
Arthur D. Peterson  
Philadelphia Seed Co.  
Henry A. Dreer  
Seaside Bent Company  
Lyman Carrier

## Signs

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## Sod Cutters

J. Oliver Johnson, Inc.  
Pacific Greenkeepers' Appliance Co.

## Sprayers

Hardie Mfg. Company  
Friend Mfg. Company

## Sprinklers

L. R. Nelson Mfg. Company  
Buckner Mfg. Company  
Economy Irrigation Company  
Campbell Irrigation Company  
Double Rotary Sprinkler Co.  
Dan F. Ryan

## Spuds

Diamond-Calk Horseshoe Company

## Stolons

O. M. Scott & Sons Co.  
Hubbard Nurseries  
Lyman Carrier

## Sulphate of Ammonia

Synthetic Nitrogen Products Corp.

## Tee Markers

Standard Mfg. Company

## Tee Mowers

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Worthington Mower Co.  
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Jacobsen Mfg. Company

## Tee Stands

Worthington Mower Co.

## Tillage Implements

International Harvester Co. of America

## Top Dressing

Hyper-Humus Company  
The Ohio Humus Company  
Atkins and Durbrow, Inc.

## Tractors

E. G. Staude Mak-A-Tractor Co.  
Toro Manufacturing Company  
Worthington Mower Co.  
International Harvester Co. of America  
Ideal Power Lawn Mower Co.  
Roseman Tractor Mower Co.  
R. S. Horner  
Gravely Mower & Cultivator Co.

## Tractor Wheels and Spuds

R. S. Horner

## Trees

Blue Ridge Evergreen Supply Co.

## Turf Fertilizers

Armour Fertilizer Works

## Urea

Synthetic Nitrogen Products Corp.

## Water Pipe

McWane Cast Iron Pipe Co.

## Worm Eradicators

Peter Henderson & Co.  
C. B. Dolge Company  
Reade Mfg. Company

McWane Cast Iron Pipe Company has changed its Chicago address to 333 North Michigan Avenue.

Those in charge of the office are Shirley W. Harris, Stanley C. Orr, Dorothy Jackson and Helen O'Connor.



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Fertilizers  
Brown Patch Controls  
Rollers  
Distributors  
Buckner Sprinklers  
Milorganite  
Arsenate of Lead

*J. Oliver Johnson, Inc.*

World's Largest Golf Course Equipment House

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**≡CUT≡**

**Your Labor and Water Bills**

**T**HE GOLFER has a right to good turf. But you must maintain that desirable green fairway within a limited budget. With a Buckner Sprinkler System and one-man control you can slash your present costs for labor, water, and irrigation equipment. Your fresh fairways will attract new players by their contrast to the fading late-summer landscape. Let us explain the many individual features of Buckner Systems and their sound economy basis. *Write for our catalog and full information.*

**BUCKNER MANUFACTURING CO., Fresno, Calif.**

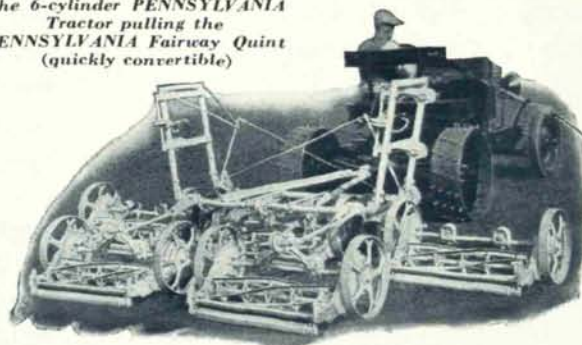
*Factory Representatives:*

*P. L. Baldock, 2240 Casitas Street, Pasadena  
Gordon Buckner, Athens Athletic Club, Oakland  
Buckner Irrigation Co., 4970 Milwaukee Ave., Chicago, and  
Bayside, Long Island, N. Y.*

*Eastern Engineering Representative:  
Wendell P. Miller and Associates, Bayside, Long Island, N. Y.*

**≡BUCKNER≡**  
**ONE-MAN SPRINKLER SYSTEMS**

*The 6-cylinder PENNSYLVANIA  
Tractor pulling the  
PENNSYLVANIA Fairway Quint  
(quickly convertible)*



**This greatest of all  
PENNSYLVANIA  
Tractors  
*has worm drive***

Silent, powerful and with a maximum speed of 24 miles an hour, the 1932 PENNSYLVANIA Tractor is supreme in its field. It has worm drive on rear axle, and the 60-horsepower engine delivers over 700 horsepower at rear wheels at full speed. Made for all-around service.

Joe Ryan, greenkeeper for the Rolling Green Country Club, cuts his 18 fairways in 7 to 8 hours with the PENNSYLVANIA Tractor and Unbreakable Quint Mower, using on the average 7 gallons of gas.

Harry Anderson, of Kennett Square Country Club, tells us he cuts his 9 fairways in 4 hours, using about 3½ gallons of gas.

Herb Jewson, of the Roxborough Country Club, using the PENNSYLVANIA Tractor for the past year, writes: "We cut down our mowing time just one-half that required with the old tractor, saving over \$300 in gas and oil. I figure the tractor paid for itself in one year's operation."

*Write for complete catalog, featuring  
greens, tee and fairway mowers*

**PENNSYLVANIA LAWN MOWER WORKS**  
**Primos, Delaware County, Pa.**