

pounds of hydrated lime to the average green this fall. We are considering a reconstruction program and for that reason we have not considered much fertilizing.

From Joe P. Mayo, Greenkeeper,  
Pebble Beach Country Club, Del Monte,  
California.

Topdress my greens every six weeks with ten pounds of 6-9-6 and two pounds of sulphate of ammonia and one-sixth of a yard of finely screened compost.

From Ford Goodrich, Greenkeeper,  
Flint Country Club, Flint, Michigan.

No fertilizer on the greens after September. Rotted manure or refuse from the sewerage disposal plant on the fairways during the winter.

From J. O. Campbell, Greenkeeper,  
Wethersfield Country Club, Hartford,  
Conn.

About October 15 I topdress for winter. I will use a good top soil about forty per cent sand thoroughly mixed with one hundred and twenty-five pounds Milorganite to one and one-half yards of top soil, twelve pounds arsenate of lead and twenty pounds sulphate of ammonia. This will be spread evenly and raked over with the back of steel rakes. This is enough for seven thousand square feet.

From John Morley, Greenkeeper,  
Youngstown Country Club, Youngstown,  
Ohio.

We will topdress about the middle of October with compost containing two-thirds of soil and one-third of sharp sand about one and one-half yards to a putting green.

Guaranteed  
Washington Strain  
**CREeping BENT STOLONS**

From Our Own  
Nursery

*Write, phone or wire for prices*



## FALL TOPDRESSING FOR GREENS

The fall topdressing of your greens largely controls their condition next spring. When making the topdressing for your winter cover use Hyper-Humus mixed with sand and top soil.

Due to its great power to retain moisture in the soil, Hyper-Humus surpassed all other organic covers this past hot dry summer.

It will hold the moisture longer than any other organic due to its high water holding capacity. Hyper-Humus holds moisture to the extent of 9 times its own weight, and when mixed with sand and top soil or only sand, according to your requirements, makes the best topdressing for ideal results.

Insist upon Hyper-Humus as it is the only well rotted, genuine humus on the market today.

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TRADE MARK REG.  
**Hyper-Humus**  
**Makes Greener Greens**



### Now Is a Good Time To Worm Your Greens

Fall rains make the earthworms active. But you can prevent wormcasts by applying "ELECTRIC" Worm Eradicator to the greens. It brings up the worms to the surface where they can be swept up. Dead worms in the soil are a nuisance. "ELECTRIC" not only gets the worms but also protects the turf against "brown patch". One application now will keep your greens in good condition until freezing weather.

*Write for free Folder and Prices  
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our fairways this fall at the rate of five hundred pounds per acre, after the fall rains begin. We expect also to spread barnyard manure on spots where grass is thin and ground is hard—this we will do very late this fall.

From **Elmer F. Affeldt, Greenkeeper,**  
Glen Oaks Golf and Country Club, Great Neck, Long Island.

I prefer to do the fertilizing in the spring, just as the grass is beginning to take on a green color, using 500 lbs. of Milorganite per acre.

From **Walter C. Reed, Greenkeeper,**  
Westwood Country Club, Clayton, Missouri.

We are going to use a 10-6-4 fertilizer. This is organic nitrogen base fertilizer and we are going to use four hundred pounds of 10-6-4 and two hundred pounds of steamed bone meal per acre. This fertilizer will be applied eight or ten days before seeding.

From **Hugh C. Moore, Greenkeeper and Professional,**  
Sea Island Country Club, St. Simons Island, Georgia.

I will fertilize my fairways and tees with bone meal this fall. For my greens I am very partial to Vigoro and sulphate of ammonia. I have also obtained good results from Milorganite. I do not approve of set methods and ways of using fertilizers.

From **Ford Goodrich, Greenkeeper,**  
Flint Country Club, Flint, Michigan.

Will stop dressing September 15. Compost—one-quarter yard to one thousand sq. ft.

From **J. O. Campbell, Greenkeeper,**  
Wethersfield Country Club, Hartford, Conn.

I have no fertilizer program for this year.  
From **John Morley, Greenkeeper,**  
Youngstown Country Club, Youngstown, Ohio.

None.



# Too Much Information

*Greenkeepers become dyspeptic from salesmen's talks*

By JOHN MORLEY, President

*The National Association of Greenkeepers of America*

ONE trouble with some of us—we have been getting too much information. A great many greenkeepers have become dyspeptic. We do not digest the food of knowledge which is often given to us.

The high pressure salesman comes along and we often swallow all he says without taking time to chew the food he gives. He may inform you that their expert chemists have by experience and research come to the conclusion that the best formula for golf grasses is 9-5-2, and that by mixing the fertilizer with a little compost you can apply it to the turf anytime during the summer season.

Let us observe what John Doe's experience was by not being fully able to comprehend the advice given him. For instance,—his putting greens previous to applying the above

named formula say during July and August—were not doing very well. He treated his putting greens with the fertilizer containing 9-5-2. He observed in a very short time a remarkable improvement in the condition of his turf, and he is so pleased that he informs his fellow greenkeepers who may happen to visit his course the very fine results he has obtained and he feels like embracing the salesman who induced him to buy this special brand of fertilizer.

From now on he will use nothing that does not contain 9-5-2. But John Doe did not realize that this was only for the time being and had only given him temporary success. It was the figure 9 which is nitrogen, that owing to extreme hot weather, soon turned into ammonia gas which with sufficient water and air furnished the grass with food, and also helped

## BENT GRASS SEED

Remember that you can produce a Creeping Bent turf by planting seed for from one half to one third the cost of the expensive, laborious job of planting the slips, runners or stolons.

My price for CREEPING BENT seed is \$2 per lb. in 100 to 500 lb. lots; 500 lbs. or more \$1.85 per lb.

Don't confuse my Creeping Bent seed with so-called German Creeping Bent seed. My Creeping Bent seed is from fields that were planted with seed produced from selected varieties of stolons planted in nursery rows and hand cultivated and hand harvested.

### IS BENT JUST BENT TO YOU?

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The Risk  
Of Getting  
Old Seed  
Of Foreign  
Origin When  
You Can  
Purchase  
Direct From  
Its Native  
Home, Winter  
Hardy Seed  
That Was  
Growing in  
The Fields  
Only A Few  
Weeks Ago.

We have just finished harvesting the best crop of Bent seed that I have ever had. When we started to harvest the latter part of July we had many orders on hand and the first part of August we delivered to a number of golf clubs seed that was actually growing in the field ten days before they received it on their course.

By purchasing seed direct from the farms where it grows you will be assured of a native grown, winter hardy Bent that is acclimated to our severe eastern and northern climate.

My price for RHODE ISLAND BENT seed is \$1 per lb. in 100 to 1000 lb. lots; 1000 lb. lots or more 95c per lb.

Boost one of your own American Industries to the extent of purchasing your Bent seed from the American farmer who grows it.

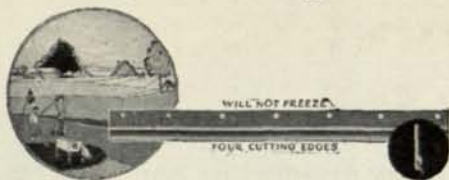
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to bring back a fine color in the grass.

With continuous hot humid weather he finds about two weeks later that the grass again begins to get off color, so he gives the putting greens another dose. By the time the greens get the second dressing of fertilizer he discovers that the first five pounds of phosphorus and the two pounds of potash, together with eighty-four pounds of organic matter (or filler which a hundred pounds of fertilizer contains), has commenced to work. The nine pounds of nitrogen, five of phosphorus and two pounds of potash is the food that the plant uses. One for the blades of grass, one for the roots and one that furnishes sugar and starch. The other eighty-four pounds which the plants cannot use gradually will ferment. The double dose of nitrogen has had a tendency to make the grass tender and fluffy.

A short time later when the humidity was high and remained so for a few days and nights he soon observed that his putting greens appeared to be affected with brown patch, both large and small and he often treats it for this disease.

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He soon observed that instead of getting better the turf had commenced to disappear and no matter what treatment he may give it, it seems to be of no avail. It was not brown patch. The second application, especially the excess of phosphorous and potash and a double dose of eighty-four pounds of organic matter caused fermentation which had scalded the roots of the grass. We often blame this on to sun scalds after a heavy storm.

The above demonstrates that over-feeding during extreme hot humid weather will often give the greenkeeper no end of trouble.

This short article is not given in the sense of giving information, but to endeavor to bring forth through the columns of the National Greenkeeper constructive criticism, so that eventually we may come closer to understand what is right or wrong to do. I hope other greenkeepers will write short articles giving their ideas with the same objects in mind as I have stated above.

## Pittsburgh Turf Gardens

By JOHN PRESSLER, *Greenkeeper*  
*Allegheny Country Club, Sewickly, Pa.*

THE experimental turf gardens planted at Oakmont and Allegheny Clubs a year ago are beginning to show results which immediately justify their existence. Member clubs are supporting the maintenance of the gardens by each contributing an annual fee of \$25.00 and member clubs should visit the gardens as often as possible to inspect them and report observations which will ultimately benefit the turf situation in this locality.

At present the different grasses planted for putting green experiments are very nearly in shape for putting. The chewings fescue grass has been particularly thick and is just now beginning to turn brown; the poa annua has had the quickest and thickest growth of all the grasses; but superior to these plots are the bents, namely, Rhode Island, Seaside, German Mixed, Washington and Metropolitan Stolons, which are all fine and vigorous grasses. The velvet bent stolons have been rather slow in growth and the velvet bent seed was not available until this spring.

In the fertilizer experiment on both green and fairway grasses, outstanding results were observed where complete fertilizers (analyzing 6-12-4 and 12-6-4) were used. To further prove the effects of various fertilizer ingredients an extra row of grass will be added to the garden on which to test combinations of nitrogen and phosphorous, of nitrogen and potash, and of phosphorous and potash used alone.



# Don't Forget Fall Topdressing

By JOHN ANDERSON, Greenkeeper  
Crestmont Golf Club, West Orange, N. J.

I AM often asked the question, "Is it best to seed in the Fall or is Spring the best time?" My answer is, if it is possible and other conditions are right, seed from August 20, till September 20. That, in my opinion, is the best time for seeding especially in the East. There is not so much chance work then as in the Spring. The ground is in good condition and the seedlings get a good start before frost sets in.

Many golf clubs in this section are faced with a problem of topdressing and seeding their fairways this fall. The long continued dry spell has ruined many fairways and as I see it, they will have to be seeded and topdressed before they recover their normal condition.

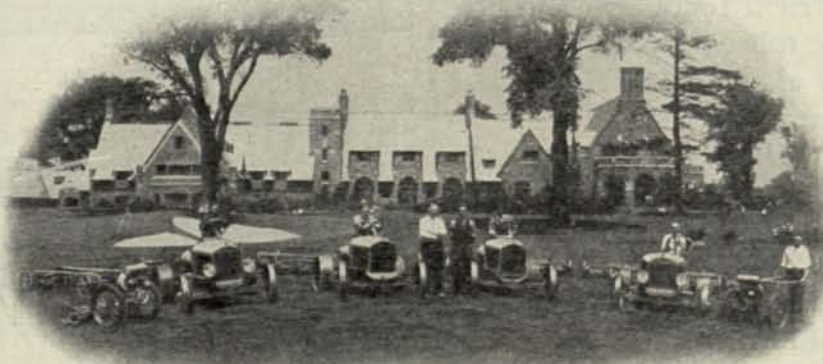
At Crestmont, we have a four years fall

program of fairway reconditioning that calls for three carloads or approximately 150 tons of mushroom soil per season and this season it is to be supplemented by 150 yards of Cow Manure which we have procured nearby. This is screened through a Royer machine and mixed with good sharp brown sand, 18 yards of sand mixed with each carload.

The sand is put through the Royer with the mushroom soil and thereby is thoroughly incorporated in the mixture. It is then carted on to the worst parts of the fairways, approaches, if poor and 150 to 250 yards from the teeing ground receiving particular attention. All bare spots are spiked or disced and seeded before being topdressed. This is the second season of this program and we have very good results from last fall's work. You bet it pays. The fairways will not receive any other fertilization.

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**STAUDE MAK-A-TRACTOR COMPANY**  
ST. PAUL, MINN.

### Seed Greens Late in August

THE greens are seeded late in August or the first week in September. Ten pounds of the best South German mixed bent is well mixed in one or one and one-fourth yards of compost and spread on each green averaging 8500 square feet. The green is spiked before compost is applied. I find that much of this seed germinates and replaces some of the natural grasses that are dying out at this season.

The compost used on the greens is a mixture of 40 per cent cow manure, 40 per cent light top soil and 20 per cent sand which has been composting at least two years. To the first topdressing in the Spring we add 20 pounds of ammonium sulphate per green and again the last topdressing in the Fall.

Except on six of our greens to which I mixed in the June topdressing, 100 pounds each of tobacco dust, they have not and will not receive any other fertilizer. On those six greens I had been particularly troubled with dollar patch, but have not seen it since, although it has appeared at different times on the others that did not get the tobacco dust. I am not advocating that as a preventative but just quote our experiment.

In closing, I would like to say to the younger greenkeepers, don't forget your fall topdressing. Put on all you can get hold of on your greens, tees, approaches and fairways. It

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will repay you 100 per cent next season, in the playing condition of your course, and the appreciation of your members.

### Charcoal and Compost

*(Continued from page 11)*

practice green situated close to the clubhouse. A huge fire engine drove across the middle of the green and it did not destroy a square inch of sod. I have counted at least twenty women with high heeled shoes walk across this green and they never leave any evil effects.

I have never raised a divot on any of our short holes in two years and never have had a



THE CREW AT CHARTIERS HEIGHTS  
*Joseph Ball is the greenkeeper of this Crafton, Pa., course and is very proud of the men who work for him. Lower photo shows Ball on the left supervising the cutting of nursery stock*

single complaint. The chief cause of maintaining a good firm surface I attribute to the liberal amount of charcoal in my putting greens.

### Mid-West Greenkeepers

The regular monthly meeting of the Mid-West Greenkeepers' Association of Chicago was held at the Aurora Country Club, July 21. In the absence of President Binnie, first vice-president, M. Bezek presided.

It was decided to hold the next meeting at the Midlothian Country Club and later on to visit Knollwood.

Upon motion of Mr. John MacGregor, former president the secretary was authorized to send a letter of thanks to the Aurora Country Club.





# Around the Office Desk



## Tournament Schedule

### September

- 2-7 National Amateur, Pebble Beach, Cal.
- 9-12 Women's W. G. A., Flossmoor G. C.
- 9-13 Women's Invitation, Shawnee, Pa.
- 10-13 U. S. Seniors, Apawamis Club.
- 11-14 Canadian Seniors, Royal Ottawa G. C.
- 23-25 Westchester Co. Open, Gedney Farm G. C.
- 23-28 Canadian Ladies' Open, Hamilton.
- 27-28 Lesley Cup Matches, Toronto G. C.
- 30 Women's National, Oakland Hills, Birmingham, Mich.

### October

- 17-19 Invitation Fall Tournament, Shawnee.

## The Seed Situation

*Agricultural Experiment Station of Rhode Island  
State College, Kingston, R. I., U. S. A.*

Mr. Robert E. Power, Editor,  
The National Greenkeeper,  
Cleveland, Ohio.

Dear Sir: \*

I see, from time to time, in the NATIONAL GREENKEEPER, such statements as the following:

"No figures obtainable for New England, but it is stated that the Department of Agriculture had difficulty in obtaining a few pounds" (of bent grass seed) "for experimental purposes." (Extract from information on bent grass seed production, furnished to the Tariff Commission by the U. S. D. A. Quoted in the NATIONAL GREENKEEPER, June 1929, page 8.)

"It" (R. I. bent) "does not grow in Rhode Island in a pure condition any more, and is not commercially cleaned or handled there." (From the article by Fred S. Radway, THE NATIONAL GREENKEEPER, July 1929, page 21.)

Now, as I think you know, my work at the Experiment Station of the Rhode Island State College is largely in connection with the seed production of bent grasses. This research has an economic objective, or in other words it is thought that the production of bent grass seed in Rhode Island may be increased. Provided the results of our experiments support this belief, we expect, in the course of a few years, to be able to offer some advice on the subject to the farming community, etc. I, personally, believe that the work is potentially fruitful, for the following reasons:

- (1) Every species of bent that is used on the golf

courses of this country has flourished in Rhode Island for many years. At the present time most of the fields, and practically every hedgerow and roadside in the state, are purple with the seed.

(2) The demand for R. I. bent, creeping bent, and velvet bent seed, is in excess of the amount now grown in the United States. I believe I am right in saying that the average value of bent seed imported into the country since the war has been in the neighborhood of \$3,000,000. The proposed advance in the tariff rate on imported seed from two to ten cents per pound, should help the home producers appreciably.

(3) The Oregon growers are selling an increasing amount of seed, presumably at a profit. The conditions in Oregon are not, I believe, any more favorable than are those of R. I.

(4) Mr. A. N. Peckham, of Kingston, R. I., has harvested bent grass seed in New England since 1921. There are several hundred acres in this immediate vicinity from which the seed is harvested year after year.

The majority of the local-grown seed is Rhode Island bent and creeping bent. I purchased some pure velvet bent from Mr. Peckham in 1924 in which year he had a few hundred pounds of this seed. Since then, most of the area devoted to velvet bent has become invaded by Rhode Island bent, but one field that I have seen is certainly not less than 90 per cent pure velvet bent. As Mr. Peckham's seed is sold directly to the consumer, it does not enter into the general commercial market, which perhaps accounts for the im-

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Golf Show at Louisville, February 5-8, 1930 to--

**FRED A. BURKHARDT**  
Chairman, Show Committee  
405 Caxton Bldg., Cleveland, Ohio



As well try to sharpen a pair of scissors by sharpening one blade only as to sharpen a lawn mower by grinding only the revolving blades.

The Hardinge Lawn Mower Sharpener sharpens the *ground blade* and the *revolving blades* in a few moments.

Write For Illustration—Particulars—Price

HENRY H. DOTY

Distributor

1133 Newport Ave.

Chicago, Illinois

pression that the amount of Rhode Island-grown bent seed is insignificant.

The point which I wish to bring out is that bent seed can be grown in Rhode Island; that it has been harvested here and sold commercially for a number of years and that, if it does sometimes contain too much chaff to win first prize at a show, the seed has a high percentage of germination, and is true to the varietal names.

I would be grateful if you would give this letter publicity. It seems to be due to Mr. Peckham no less than to us, as I see that he advertises regularly in your magazine.

Very truly yours,  
E. S. GARNER, Agrostologist.

### Turf Diseases

A special bulletin on turf diseases including brown patch, scald, and snow mold has been prepared and is being distributed by O. M. Scott & Sons Company, Marysville, O. In their introduction they say:

"We feel it timely just now to assemble some of the theories and research relating to common turf diseases and publish them for the conveniences of those who are too busy to give the subject exhaustive personal study. Copies of this report may be had for the asking."

The text is too long to comment in detail, but we suggest to our readers that they write for a copy and check up the statements therein with their own experience.

UNITED STATES GOLF ASSOCIATION  
Office of the President  
41 East 42nd Street  
New York, N. Y.

August 16, 1929

Mr. John Morley, President  
National Ass'n of Greenkeepers of America  
2248 Selma Avenue,  
Youngstown, Ohio

Dear Mr. Morley:

Please excuse my delay in acknowledging receipt of certificate and card of honorary membership in your National Association, which was received here during my absence from the city.

Needless to say, I am very happy to become one of your family. I have always had a high regard for the work which your association continues to do for the betterment of golf, and I hope that if at any time you think I can be of any assistance, that you will not fail to call on me.

Yours sincerely,  
FSD:FG (Signed) Findlay S. Douglas

### Advice From Canada

Union, Ontario, Canada.

The National Greenkeeper,  
Cleveland, Ohio.

Dear sirs:

Some time ago I sent an article to you by request from the NATIONAL GREENKEEPER soliciting opinions on the brown patch conditions which apparently get worse, and no wonder.

In your New Year's resolution of the January issue I see you are putting up the stop signs on the so-called experts; well, I think it is about time. Another resolution is that you are getting tired of their dope. Well, my opinion is this:

I am surprised at greenkeepers who have spent practically all their lives on the turf ever being bluffed into using such hash on their greens, and especially those to maintain life permanence. All the diseases that are troubling them today come from nothing but the dope that is used and it is simply contaminated soil. That is the trouble and if this kind of treatment continues eventually golfers will have to play the game on the bare ground. This was my resolution to the NATIONAL GREENKEEPER twelve months ago—use less dope.

I read of one greenkeeper having said, "a putting green was like a rich man, it only has so long to live," which I consider nonsense. The older a green the better it should be.

Another greenkeeper said he blamed sulphate of ammonia for the brown patch. Well he was nearer the mark than any of the reasons I have read of yet and another greenkeeper the last but not least tried to lay the trouble on the compost. To this I might say that if the compost was built right and used as it should be, it is the only safe and sane remedy to build and maintain a putting green in perfect and permanent condition and life and keep off the dope.

I trust you will not give this letter the cold shoulder, as some of the articles I have read in the magazine have not been good advice to the young and inexperienced greenkeeper.

(Signed) F. W. CURRIER, Greenkeeper,  
St. Thomas Golf & Country Club.

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# 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

## Ball Locators

Worthington Mower Company

## Ball Washers

J. Oliver Johnson, Inc.  
Worthington Mower Company

## Bent Stolons

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

## Bridge Floors

Armco Culvert Mfrs. Association

## Brown Patch Control

Stumpp & Walter Co.  
J. Oliver Johnson, Inc.  
American Seed Co.  
Reade Mfg. Co.  
Bayer-Semesan Co., Inc.  
Golf Course Supply Company

## Catchbasins, Corrugated Iron

Armco Culvert Mfrs. Association

## Cocoas Creeping Bent Seed

Lyman Carrier, Inc.  
Stumpp and Walter Co.

## Charcoal

Cleveland Charcoal Supply Company

## Compost Distributors

Toro Mfg. Company

## Compost Mixers

Toro Mfg. Company

## Drainage Engineers

Wendell P. Miller and Associates

## Drainage Gates

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## Dump Carts

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Worthington Mower Company  
J. Oliver Johnson, Inc.

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## Fairway Irrigation

Buckner Mfg. Co.

## Fairway Mower Blades

The Budd Mfg. Company

## Fairway Mowers

Pennsylvania Lawn Mower Works  
Toro Mfg. Company  
E. G. Staude Mak-A-Tractor Co.  
Worthington Mower Company

## Fairway Rollers

Toro Mfg. Company

## Fertilizers

Milwaukee Sewerage Commission  
J. Oliver Johnson, Inc.  
Lyman Carrier, Inc.  
Golf Course Supply Company

## Flexible Steel Mats

J. Oliver Johnson, Inc.  
Golf Course Supply Company

## Fungicides

Bayer-Semesan Co., Inc.  
Sherwin-Williams Company

## Golf Course Construction

Ohio Humus Products Co.

## Golf Equipment

Stumpp & Walter Company

## Golf Flags

Stumpp & Walter Company

## Greens Mower Blades

The Budd Mfg. Company

## Greens Sprinklers

L. R. Nelson Mfg. Co.  
Buckner Mfg. Co.

## Horse Drawn Mowers

Pennsylvania Lawn Mower Works  
Worthington Mower Company

## Hose

Republic Rubber Company

## Humus

Hyper-Humus Company  
Ohio Humus Products Co.

## Insecticides

Bayer-Semesan Co., Inc.  
Sherwin-Williams Company

## Lawn Mowers

Pennsylvania Lawn Mower Works  
Toro Manufacturing Company  
Worthington Mower Company

## Mowing Equipment

E. G. Staude Mak-A-Tractor Co.  
Toro Mfg. Company  
Pennsylvania Lawn Mower Works  
Worthington Mower Company  
American Seed Co.

## Mower Sharpeners

Fate-Root-Heath Company  
Toro Manufacturing Company  
Henry H. Doty

## Power Mowers

Toro Mfg. Company  
Worthington Mower Company

## Power Mower Blades

The Budd Mfg. Company

## Putting Green Mowers

Toro Mfg. Company  
Pennsylvania Lawn Mower Works  
Worthington Mower Company

## Rakes

Pennsylvania Lawn Mower Works

## Rollers

Stumpp & Walter Company  
Worthington Mower Company  
Toro Mfg. Company

## Rough Mowers

Toro Manufacturing Company  
Worthington Mower Company

Since 1876

# Radway's

## TESTED SEEDS

GOLF EQUIPMENT  
SUPPLIES  
GRASS SEED  
headquarters

VELVET BENT  
PRINCE EDWARD ISLAND BENT  
FESCUES — POA TRIVIALIS

GERMAN BENT  
COLONIAL BENT

SEALED BAGS  
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**I. L. RADWANER**  
SEED COMPANY, Inc.  
115 BROAD ST. NEW YORK



## Market Place and Buyers' Guide—Continued

### Seed

Lyman Carrier, Inc.  
O. M. Scott & Sons  
J. Oliver Johnson, Inc.  
A. N. Peckham  
I. L. Radwaner Seed Co.  
Stumpp & Walter Co.  
Henry A. Dreer  
Golf Course Supply Company

### Siphons, Corrugated Iron

Armco Culvert Mfrs. Association

### Sod Cutters

J. Oliver Johnson, Inc.

### Sprinklers

L. R. Nelson Mfg. Co.  
Buckner Mfg. Co.

### Sprinkling Carts

Reade Mfg. Company

### Stolons

O. M. Scott and Sons  
Illinois Grass Co.  
Hiram F. Godwin

### Storm Sewers, Corrugated Iron

Armco Culvert Mfrs. Association

### Street Culverts, Part Circle

Armco Culvert Mfrs. Association

### Tee Markers

Worthington Mower Company

### Tee Mowers

Toro Mfg. Company

### Tractors

E. G. Staude Mak-A-Tractor Co.  
Toro Mfg. Company  
Worthington Mower Company

### Worm Eradicators

Reade Mfg. Company

### The Use of Charcoal

The use of powdered charcoal on putting greens in order to purify the soil and produce a firm, healthy turf is becoming more popular every season.

Tom Boyd, pro-greenkeeper of the Fox Hills Country Club, Staten Island, New York is very enthusiastic about the results he has had through the use of charcoal. "I found that using one hundred pounds of powdered charcoal per green once a month during the summer season helped to keep our greens in good shape."

Another booster for charcoal is John Morley of the Youngstown Country Club who says,

"For several years I have been a great user of charcoal. I believe that when a liberal amount of charcoal is in the soil, owing to its expansive power, especially when the soil is very moist, it allows more air to penetrate into it than would if it were not used. It also holds together the coarse particles of light sandy soils and forms crumbs

in clay soils, thus favoring the granular structure and promoting lightness."

Both of these prominent greenkeepers use Cleve-Brand charcoal manufactured by the Cleveland Charcoal Supply Company, 3905 Jennings Road, Cleveland, O. This company are large manufacturers of hardwood charcoal, also animal bone charcoal and pulverized willow charcoal. Greenkeepers who are interested are urged to try a ton for fall topdressing along lines of soil improvement and preparation for next season. The price is \$35.00 per ton, f.o.b. Cleveland.

### Armco At Pebble Beach

After the smoke of the recent National Open Golf Championship, and incidentally another show of golfing supremacy on the part of Bobby Jones, has cleared away, the attention of golfers will be gradually drawn to the National Amateur Championship. This tournament will be held from September 2-7 on the Pebble Beach course.

This course is located at Del Monte, Monterey County, California, on what is known as the seventeen-mile drive. It is numbered among the well known courses of the county and is famous both for its natural beauty and the number of notable tournaments which have taken place on it in the past.



ARMCO AT PEBBLE BEACH  
Showing how an open ditch across No. 18 fairway was completely enclosed in an Armco Corrugated Iron Pipe

The Pebble Beach course is highly modern and includes a number of difficult layouts which aspirants for the championship will have ample opportunity to test. However, the removal of any obstacles and elements, which might tend to detract from the general plan of the course, has been in a great measure responsible for its popularity. As an example of this, very few people playing over the course today are aware that the present 18th green was made possible by enclosing an open stream in Armco corrugated iron pipe and making the backfill necessary to secure the present contour of the green.

The choice of this course for the Amateur championship reflects favorably upon the playing conditions of this course which are in charge of H. Chandler Egan, former National Amateur champion, and his greenkeeper, Joe Mayo. These men have recently been busily engaged in conditioning the course for the championship play in September.

### Page Fence Moves

The sales department of the Page Steel and Wire Company, has moved from Bridgeport, Connecticut, to the American Bank Building, Pittsburgh, Pa.

Sales of chain link fence will be handled by R. J. Teeple. Field fence and general wire products sales will be handled by S. B. Cairns. Welding wire and specialties will be handled by J. J. Flaherty.

W. T. Kyle, General manager of sales of the company, will be located at the general sales office, 230 Park Avenue, New York City, in the New York Central building.

### Mrs. Farley Joins Davey Tree

Mrs. Gertrude A. Farley, formerly editor of the NATIONAL GREENKEEPER and assistant secretary of the National Association of Greenkeepers of America, has joined the Davey Tree Expert Company, Kent, Ohio. She will specialize on tree surgery for the golf and country clubs of northern Ohio.

### Goit Scores

Kenneth E. Goit, sales manager of the Toro Mfg. Co. was presented with a million dollar son, August 1. His name is James Whitney Goit and his father announces that he is willing to take on all comers. Stock in this new issue is over-subscribed. We offer our congratulations.