

## BENT GRASS SEED

CREEPING BENT TURF of exactly as fine quality and texture can be produced by planting Creeping Bent seed for about one-third the laborious, expensive job of planting stolons.

REMEMBER when you purchase seed direct from the

**A. N. PECKHAM**

Write for Pamphlet

farms where it grows you are assured of an absolutely fresh, viable, acclimated, winter-hardy product. SAVE the middleman's profit. Buy your Creeping Bent and Rhode Island Bent seed direct from the farmer who grows it.

**Kingston, Rhode Island**

## OBITUARY

ALBERT J. WILDER



The greenkeeping profession lost one of its brightest lights when Albert J. Wilder, greenkeeper of the Oak Hill Country Club, Rochester, N. Y., was found dead on his course, Tuesday, May 14.

The deceased was born at Willoughby, Ohio, January 27, 1901 and started golf course work under Capt. C. H. Alison when the Kirtland Country

Club was constructed in 1921. The following year he took charge of the maintenance and remained as greenkeeper until 1925 when he accepted the position of greenkeeper at the Fenimore Country Club at White Plains, N. Y.

Last winter he was asked to take charge of the 36-hole Oak Hill Country Club layout at Rochester, N. Y. and accepted. Wilder was a very conscientious boy and it is thought that worry over this big job combined with the recent deaths of both his parents, brought on the malady which caused his death.

Wilder was married to Miss Fern Cunningham at White Plains, January 12, 1926, and his widow and two sons, Albert Jr., thirteen months and James, eight weeks survive him. He was very active in all organization work, a member of the Westchester Greenkeepers' Association, and a charter member of the N. A. G. A. Possessed of a wonderful personality and unusual intelligence he will be mourned by hundreds of friends in the golf world.

### HUBBARD NURSERIES

### CREEPING BENT STOLONS

*Washington and Metropolitan Strains*

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

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

## Mowing Greens With Power

By R. T. ZINK, Greenkeeper

*Shaker Heights Country Club, Cleveland*

Last June we had some power putting green machines demonstrated.

We had the 19-inch and the 24-inch to see which one we could use and give us the best results.

Our first problem was to break men into running them. After we had spent about two days trying to get the men familiar with the machines, we then started them out to really see what they could do. We alternated with the machines to see if they would scalp or cut all of the depressions. We found that the 24-inch machine would cut our greens and save us about one hour in labor in comparison with the 19-inch machine.

Now prior to the use of power mowers we had four men cutting our greens by hand and getting through with their work in four and one-half hours. The two men with power mowers are doing the same

*(Continued on Page 34)*



**Cut the Cost  
of Green  
Maintenance  
in HALF**

It costs as much or more to mow greens with hand mowers as it does to mow the entire fairway. Should members pay this premium when it is possible to cut the cost in half by the use of up-to-date methods? If you are in any measure responsible for the efficient expenditure of

Club funds, investigate the very substantial savings available by the use of Jacobsen Power Putting Green Mowers. In addition, they positively excel the best work of any hand mower. We stand ready to prove these statements by demonstrations on your own grounds.

### FREE Guide to Green Maintenance

Send for our new catalog, giving important data on the cost of greens mowing at various clubs throughout the country.

### JACOBSEN MFG. CO.

Dept. 11 Racine, Wisconsin

New York Office: 507 W. 56th St.





# 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

## Bent Plants

Ohio Humus Products Company

## Bird Houses

Michigan Cedarcraft Co.

## Bridge Floors

Armco Culvert Mfrs. Association

## Brown Patch Control

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

## Catchbasins, Corrugated Iron

Armco Culvert Mfrs. Association

## Cocoons Creeping Bent Seed

Lyman Carrier, Inc.  
Stumpp & Walter Co.

## Compost Distributors

Toro Mfg. Company

## Compost Mixers

Toro Mfg. Company

## Drainage Engineers

Wendell P. Miller and Associates

## Drainage Gates

Armco Culvert Mfrs. Association

## Dump Carts

Toro Mfg. Company  
Worthington Mower Company  
Ideal Power Lawn Mower  
J. Oliver Johnson, Inc.

## WHEN

Did YOUR playing  
season begin?

It is a matter of record that golf courses with Miller Engineered Drainage have extended their playing season three and four months. That pays.



Reduced maintenance cost is another result. We work cooperatively with architect or local contractor.

**WENDELL P. MILLER**  
and Associates

**GOLF COURSE DRAINAGE**

Engineers - - Constructors

208 So. La Salle St., Chicago  
85 East Gay St., Columbus, O.

## ADVERTISER'S INDEX

ABC of Turf Culture	30
American Fork & Hoe Company	33
American Seed Company	21
Armco Culvert Mfrs. Association	25
Bayer-Semesan Company	9
Buckner Mfg. Company	28
Carrier, Lyman	16
Doty, Henry H.	22
Economy Irrigation Company	15
Fate-Root-Heath Company	25
Godwin, Hiram F.	33
Golf Course Supply Company	29
Hubbard Nurseries	31
Hyper-Humus Company	26
Ideal Power Lawn Mower Company	4
Illinois Grass Company	7
International Seed Testing Lab.	30
Jacobsen Mfg. Company	31
Johnson, J. Oliver, Inc.	28
Mallinckrodt Chemical Works	13
Michigan Cedarcraft Company	22
Miller, Wendell P.	32
Milwaukee Sewerage Commission	22
Nelson, L. R. Mfg. Company	24
Ohio Humus Products Company	11
Peckham, A. N.	31
Pennsylvania Lawn Mower Works	12
Radwaner, I. L.	32
Reade Mfg. Company	16
Republic Rubber Company	14
Scott & Sons Co., O. M.	26
Stauder, E. G. Mak-A-Tractor	17
Stumpp & Walter Co.	25
Synthetic Nitrogen Products Corp.	34
Toro Mfg. Company	Cover
Worthington Mower Company	Cover

## Fairway Irrigation

Economy Irrigation Co.  
Buckner Mfg. Co.

## Fairway Mowers

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

## Fairway Rollers

Toro Mfg. Company

## Fencing

Michigan Cedarcraft Co.

## Fertilizers

Milwaukee Sewerage Commission  
Golf Course Supply Company  
J. Oliver Johnson, Inc.  
Lyman Carrier, Inc.  
Synthetic Nitrogen Products Corp.

## Flexible Steel Mats

J. Oliver Johnson, Inc.  
Golf Course Supply Co.

## Fungicides

Bayer-Semesan Co., Inc.  
**Golf Equipment**  
Michigan Cedarcraft Co.  
Stumpp & Walter Company

## Golf Flags

Stumpp & Walter Company

## Greens Sprinklers

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

## Hoes

The American Fork & Hoe Co.

## Horse Drawn Mowers

Pennsylvania Lawn Mower Works  
Worthington Mower Company

## Hose

Republic Rubber Company

## Hose Reels

The American Fork & Hoe Co.

## Humus

Hyper-Humus Company  
Ohio Humus Products Company

## Insecticides

Mallinckrodt Chemical Works  
Bayer-Semesan Co., Inc.

## Irrigating Equipment

Economy Irrigation Co.

## Lawn Mowers

Pennsylvania Lawn Mower Works  
Toro Manufacturing Company  
Ideal Power Lawn Mower  
Worthington Mower Company

## Mowing Equipment

E. G. Stauder Mak-A-Tractor Co.  
Toro Mfg. Company  
Pennsylvania Lawn Mower Works  
Worthington Mower Company  
Jacobsen Mfg. Co.  
American Seed Co.  
Ideal Power Lawn Mower

## Mower Sharpeners

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

## Power Mowers

Toro Mfg. Company  
Golf Course Supply Co.  
Worthington Mower Company  
Jacobsen Mfg. Co.  
Ideal Power Lawn Mower

## Putting Green Mowers

Toro Mfg. Company  
Pennsylvania Lawn Mower Works  
Worthington Mower Company  
Jacobsen Mfg. Co.

## Rakes

Pennsylvania Lawn Mower Works  
The American Fork & Hoe Co.

Since 1875

## RADWAY'S Tested Seeds

ALWAYS  
DEPENDABLE

GOLF GRASS  
HEADQUARTERS

Velvet Bent  
Prince Edward Island Bent  
Colonial Bent  
German Bent  
Fescues—Poa Trivialis

SEALED BAGS

Ask for Sample Offer

**I. L. RADWANER**  
**SEED COMPANY**  
115 BROAD ST.  
NEW YORK



## Market Place and Buyers' Guide—Continued

### Rollers

Stumpp & Walter Company  
Worthington Mower Company  
Toro Mfg. Company

### Rough Mowers

Toro Manufacturing Company  
Jacobsen Mfg. Co.  
Worthington Mower Company

### Seed

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

### Siphons, Corrugated Iron

Armco Culvert Mfrs. Association

### Sod Cutters

J. Oliver Johnson, Inc.  
The American Fork & Hoe Co.

### Sod Lifters

The American Fork & Hoe Co.

### Spades

The American Fork & Hoe Co.

### Sprinkling Carts

Reade Mfg. Company

### Steel Golf Shafts

The American Fork & Hoe Co.

### 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  
Jacobsen Mfg. Co.

### Tractors

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

### Trowels

The American Fork & Hoe Co.

### Watering Systems

W. A. Buckner Mfg. Company  
Economy Irrigation Company

### Weeders

The American Fork & Hoe Co.

### Well Casings, Corrugated Iron

Armco Culvert Mfrs. Association

### Worm Eradicators

Reade Mfg. Company.

## Pennsylvania Is Busy

Pennsylvania Lawn Mower Works report that this season has opened up very satisfactorily, and it looks as though they would have a record-breaking year with their golf mowers for greens and fairways.

They are mailing out a series of folders, very handsomely printed and containing much interesting information.

The company will be very glad to mail copies of these interesting circulars to any chairman, greenkeeper or

superintendent of grounds, who will write them. The address is 1645 North 23rd St., Philadelphia, Pa.

### Brown Patch Information

Bayer-Semesan Co., Inc., 105 Hudson Street, New York City, has recently issued a pocket size pamphlet on the use of preventatives to control brown patch in all of its forms.

This pamphlet describes and illustrates large brown patch, small brown patch, pythium, ring brown patch, and snow mold. It explains how to identify these various diseases when they first put in their appearance on the turf, and the symptoms which accompany them.

Speaking of large brown patch the pamphlet states:

"It appears suddenly overnight as large discolored areas that may range in size from very small spots to several feet in diameter. In the morning, before the grass is dry, the affected blades have a blackened appearance, as if scalded, and around the borders of the patch a fine cobweb-like growth may be seen spreading over the grass.

"As soon as the sun is high enough to dry the grass, this so-called cobweb growth disappears and the discolored grass blades shrivel and die, giving the patch the brown color from which it is named.

"Early on each succeeding day of the attack a smoky ring of black-

### THE RIGHT TOOL SAVES TIME

## COMB The Green

The flat, springy teeth of the True Temper Brume Rake will not injure the smooth surface of the green. They comb the grass and pick up all leaves and litter without injury to the tender grass roots.

The Brume Rake is light in weight. It is used like a broom. No back-ache.

The brand True Temper is burned in the handle to mark each rake as the best tool of its kind that can be made.

### THE AMERICAN FORK & HOE CO.

1936 Keith Bldg.  
Cleveland, Ohio

Makers of Farm and  
Garden Tools for  
over 100 Years.



FREE  
On Request

—Users' Catalog.  
Describes over  
400 choice tools  
for every farm  
task.

If your dealer has not yet stocked the Brume Rake, Cat. No. FBR22, send us his name and \$1.00 and we will supply you direct, postpaid.

### BRUME RAKE



## TRUE TEMPER

ened grass is quite noticeable around the margin of the spots. This shows the enlargement of the circle during the night which is the period of active development. The dark ring turns brown as soon as the grass dries off."

A copy of this circular should be invaluable to a greenkeeper who can carry it in his pocket where he can refer to it instantly when needed. Drop a postal card to the Bayer-Semesan Co., at the above address and it will be sent free of charge.

### Hubbard Has Fine Bent

The Hubbard Nurseries, North Kingsville, O., report that they have two acres of extra fine Metropolitan strain creeping bent planted last fall which will be ready for harvest in August. This young grass is very vigorous and is considered in all to

### True Washington Strain

## CREEPING BENT

which I have supplied to many of the finest courses in the United States and Canada during the past seven years has proved the most satisfactory for putting turf.

Without exception these Clubs are convinced that their choice was the best they could have made. I am certain you would be just as well pleased.

May I figure on your requirements.

### HIRAM F. GODWIN

Bent Grass

Box A-Redford Sta.  
DETROIT, MICH.

Box 51  
WAYNE, PA.

116 Prince Road  
SANDWICH, ONT.



# VREA

(FLORANID)

## A TESTED FERTILIZER

USE organic nitrogen grass food. Odorless, economical, efficient. Clean, water soluble, leaves no undesirable residues in soil. One pound per 1000 feet, applied every four weeks, is proper amount for putting greens and fairways. Gives grass thrifty fine color, and develops wear resisting turf.

## NITROPHOSKA

is our concentrated complete (15-30-15) fertilizer. Urea and Nitrophoska supply greenkeepers with ideal plant-foods for successful sod maintenance. Sold by golf supply dealers. Write for special folder "Better Greens & Fairways," and ton prices.

Synthetic Nitrogen Products Corporation  
Garden Department  
285-S-Madison Ave. New York

be the finest and most closely woven of all the turf produced from vegetative planting.

The price, we understand, is \$12.00 per thousand square feet, which means eight bushels of stolons, generally considered enough for fifteen hundred square feet.

Hubbard Nurseries also have a nursery of Washington bent, of the pure Lyman Carrier strain, which while perhaps not having the color and the fine texture of the Metropolitan, is very sturdy and is noted for its power of withstanding brown patch and other fungus diseases.

This Washington bent is also new grass planted last fall and would be particularly ideal for use on tees for short holes where the hardest kind of service is given the turf. In fact the tendency to use bent on tees is growing more and more because of its beautiful appearance and its economy in upkeep.

## Fungus Diseases and Why (Continued from page 17)

vigor into the plants that he desires to grow.

It is only when we know conditions are right for trouble, that we can avoid it, and that offers the best field for us. I feel that we owe much to the sacrificing individuals, who are giving their lives, for our profit and pleasure, in the experimental laboratories.

All of us are finding our lives lengthened, our pleasures increased, by these individuals, whom we sometimes think of as impractical.

As far as doing our work is concerned, they are no more impractical than we would be in doing theirs. They are filling a very worthy place in society, which we cannot commence to estimate in money or comfort.

It is only when we work with them, and tell them what we have found out in our practical work, and then accept and apply what they have found in their work, do either of us make the progress that we should.

## A Big Contract

Probably the biggest contract for vegetative planting ever undertaken is being completed now by the Golf Course Supply Co., Carnegie Ave., Cleveland, O., at the Lake Shore Club, Erie, Penna. The contract calls for 265,000 feet of stolons for planting tees and greens on this new 18-hole layout. The course was designed and being constructed by the American Park Builders, Chicago, in connection with the Andrews Real Estate Co., of Erie. Bent stolons of the Washington strain are being used and A. E. Flack is giving the job his personal supervision.

## Royal York—Canada's New Course (Continued from page 28)

York course and its plans for the future insofar as they affect him. They have accepted its innovations as something which will benefit golf in the Province and spell progress for them as a recognized factor in the sport. The association is to be invited to the course shortly to inspect it and to be guests at a dinner.

In the meantime the Ontario greenkeeper will devote himself to the conditions associated with a spring during which there has been an unusual amount of rainfall. Rainfall and floods have made for a backward year. To a number of greenkeepers, the prevailing condition brings nothing of any moment to cause concern, but a majority charged with the care of courses built on clay soil hope to escape a sudden heat wave which would bake fairways and ruin the grass.

## Bone and Sinew

Bone and sinew (back bone) are necessary to the human element entrusted with the execution of the greenkeepers' order. Necessarily the equipment given this human element must be as strong, or stronger, than they.



ARKANSAS VALLEY GREENKEEPERS  
Chester Mendenhall, Pres., W. R. Moore, Sec'y, and Percy Burks, Vice-Pres.

That is why the Republic Rubber company's "Fairway" and "Tonka" hose do their work so well and so long. They have the "back bone" to be roughed, jerked, pulled and tumbled from place to place without a murmur of complaint—and no kinks, like two wrestlers of equal strength and cleverness, when the days' work is done the verdict is a draw.

## Mowing Greens with Power (Continued from Page 31)

work in the same time and we are saving the labor of two men for one-half day which amounts to quite a saving during a season.

Last year we saved \$2900.00 on labor and I feel that the power mowers have saved quite a percentage of that sum.

I have heard a lot of talk about power mowers packing the greens. Our greens are rather sharp. I have not noticed any difference in packing, nor have I had any complaints on the cutting surface. I feel that we have made a very profitable investment.

We have bought another power mower which will be delivered in the spring to cut our tees and approaches in connection with our fairway tractor and I am sure that we will be able to save a further considerable sum.

## Epitaph

Here lies the body of Kate O'Day,  
For her, life held no terrors  
Born straight-laced, she died that way—

No hits, no runs, no errors.  
From "Toro News."



# "The Only Magazine Published that Really Reaches the Man on the Ground"

*Read what the largest seed and golf supply house  
in the Middle West says about the*

## NATIONAL GREENKEEPER

ESTABLISHED 1904  
INCORPORATED 1923

J. OLIVER JOHNSON  
PRESIDENT & TREASURER

QUOTATIONS SUBJECT  
TO MARKET CHANGES

## J. OLIVER JOHNSON, INC.

**Seeds of Success**  
"Everything for the Golf Course"

MORGAN-HURON - SUPERIOR - STREETS  
TELEPHONE MONROE 6580

**CHICAGO**

### Golf Dept.

#### GRASS SEED

AMMO-PHOS  $\frac{20}{30}$

BALL WASHERS-  
"LEWIS"

#### CARTS-

DUMP  
PUSH  
SPRINKLING  
HAND

CHAIN HARROW

DISCS  
MEEKER  
PUTTING GREEN

FERTILIZERS  
DISTRIBUTORS

GREENS  
ACCESSORIES  
BALLOON FLAGS  
FLAG POLES  
FLAGS  
FOULIS SWIVEL  
HOLE CUTTER  
HOLE RIMS

HORSE BOOTS

HOSE

HUMUS

INSECTICIDES

LAWN SWEEPERS

MOWERS  
FAIRWAY  
POWER  
HAND

MOWER GRINDERS

MOWRAH MEAL

PLAYGROUND DEVICES

RAKES-EARLY BIRD

ROLLERS  
FAIRWAY  
PUTTING GREEN

DETROIT ROUGH CUTTER

SEMESAN-DU PONT

SOD CUTTERS

SOWERS-SEED

SPIKE ROLLERS

SPRAYERS

SPRINKLERS

TRACTORS  
TORO  
STAUCOE

TEE MATS-COCOA

TEE STANDS

TOP DRESSING DRAGS

TORO EQUIPMENT-  
COMPOST SCREENER  
MOWERS  
TOP DRESSER  
SEA SERPENT

WIDE WHEELS-  
FORDSON

March 4, 1929

Mr. R. E. Power,  
% National Greenkeeper,  
Caxton Bldg.,  
Cleveland, Ohio.

Dear Sir:-

We have your letter of the 27th asking us what we think of the NATIONAL GREENKEEPER as an advertising medium and in this connection we might state that we are advertising in only two magazines one of them being the National Greenkeeper.

The Writer believes that your magazine is the only one published that really reaches the man on the ground and is the only one which is really a so called Trade Magazine.

We cannot give you any data from a dollar and cent standpoint of the value of NATIONAL GREENKEEPER advertising but we do know that a considerable number of orders which we receive mention that they saw it in the NATIONAL GREENKEEPER.

WE do not hesitate to recommend this magazine to any one desiring to reach the superintendent of the Golf Club.

Trusting this is the information you desire, we are

Yours truly,

J. OLIVER JOHNSON INC.

*H. Bailey*  
Golf Department.

HSB\*HS